

Emmanuel College

MAGAZINE 2021–2022



VOL CIV





Catalpa bignonioides,
Indian bean tree



*Crataegomespilus
dardarii*, a chimaeric
tree, first leaf type



*Metasequoia
glyptostroboides*,
dawn redwood



Quercus robur,
English oak



*Fagus sylvatica
'Purpurea'*,
copper beech



*Crataegomespilus
dardarii*, a chimaeric
tree, second leaf type

Emmanuel College

MAGAZINE 2021–2022



VOLUME CIV

The *Magazine* is published annually, each issue recording college activities during the preceding academical year. It is circulated to all members of the college, past and present. Copy for the next issue should be sent to the Editors before 30 June 2023.

Enquiries, news about members of Emmanuel or changes of address should be emailed to development-office@emma.cam.ac.uk, or via the 'Keeping in Touch' form: <https://www.emma.cam.ac.uk/keepintouch/>.

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If possible, photographs to accompany obituaries and other contributions should be high-resolution scans or original photos in jpeg format.

Back issues

The college holds an extensive stock of back numbers of the *Magazine*. Requests for copies of these should be addressed to the Development Office, Emmanuel College, Cambridge CB2 3AP.

Historical index

Over the years the *Magazine* has included many articles concerning the history of the college. A list of these, with a card index of their contents, is maintained in the college archives; to use it, please contact the archivist, Amanda Goode.

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Note on the Issue and the Illustrations

The 2021–22 academic year at Emmanuel was a partial return to pre-pandemic practices, routines and habits, but, as Senior Tutor Robert Henderson reminds us in his report on the year, change is always proceeding. A number of pieces in this issue reflect on the way that the college is located in time, building on its past and looking forward. Doug Chalmers, considering his first year as Master, talks of stewardship as a role involving reorientations and new initiatives in the context of respect for continuity. Development Director Sarah Bendall discusses how being a ‘good ancestor’ requires a consciousness of both past and future. And in his annual report Bursar Mike Gross, more concretely, meditates on the replacement of the old ‘JCR bar’ with a new ‘college bar’.

Nothing illustrates continuity and change better than the physical fabric of the college, which includes both an inheritance of structures going back several centuries and the building of new ones rising right now. In an article, the Bursar discusses the challenges of making sure that protected buildings are environmentally sound; at the same time, new buildings can serve as exemplars of state-of-the-art sustainability.

Other pieces in this issue take up this green theme. Three of our Fellows – Alex Archibald, Julian Hibberd and John Maclennan – discuss how their work engages with challenges of sustainability and climate change through studies, respectively, of the chemistry of the atmosphere, the photosynthesis of plants and the impact of volcanic activity.

The college is literally greenest in its gardens, and a number of contributions focus on them. In one piece, college archivist Amanda Goode explores, with an emphasis on trees, the organisation of the gardens as they have evolved over the centuries. In another, she focuses on two specimens with ancient lineages – the *Ginkgo biloba* and the *Metasequoia glyptostroboides* – and tells the interesting stories of how each came to be planted in the gardens. We have taken a cue from her research to use photographs of these and other notable Emmanuel trees to

mark the different sections of the *Magazine*. Finally, Brendon Sims, head gardener, reports on the gardens today and on efforts to enhance their sustainability and contribution to biodiversity. The *Magazine's* front cover shows the college's St Andrew's Street frontage with landscaping that has evolved in recent years. The inside covers are a kind of 'glossary' of leaf types from the college's diversity of trees.

The *Magazine* is primarily a record of the college in words, so we include the text of Caroline Wyatt's Gomes Lecture 2022 'In defence of journalism' as well as some short accounts of college life by members who experienced it in the 1950s. However, we also include a photographic essay by Vinesh Maguire-Rajpaul. Vinesh, who completed his Research Fellowship this year, is an astrophysicist who investigates exo-planets, and he is also an accomplished photographer. We have taken advantage of his avocational excellence to present his visual impressions of the college 'behind the scenes' over his tenure at Emmanuel.

The *Magazine* is largely created out of contributions from college officers, Fellows, staff and members, current and past. Among those who deserve special thanks are: Marion Dorkings and Eve Cooley in the Tutorial Office, Anna Battison and Michele Warwick in the Bursary, Nina Brookes, Rima Hore, Samantha Marsh and Linda Thomson in the Development Office, and Michele Anderson, personal assistant to the Master. Obituaries are the Dean's responsibility, aided by Carey Pleasance. The *Magazine* regularly draws on college archivist Amanda Goode for excellent articles as well as for extensive knowledge of the college, past and present.



The Year in Review

From the Master

I write this as my first year as your twenty-eighth Master nears its end, and what a year it has been. I will admit to having felt a touch depressed the day I left Whitehall. I knew that I would miss the pace, centrality and scale of the role, and I didn't really know what being your Master would be like. This is probably why Helen met me at the security barrier, after I had handed in all my codes and passes for the last time, with a bottle of chilled champagne for consumption in St James's Park! As time passed the addictive lure of the Whitehall circus started to fade and we began to realise how lucky we were to join you.

Fiona very kindly invited us to start visiting so that we could get to know people and gain a feel for the college while Covid-19 restrictions were still in place. She was so right to prompt us to do this. Observing the community while pandemic regulations were operating was to prove invaluable as it gave me a feel for what our people had come through. But I was also struck by how warm, genuine and welcoming every member of the Emmanuel community was to Helen and me.

As with all appointments in my past life I approach this role knowing that I am but a custodian, a steward whose primary objective is to hand the Mastership over in a decade or so with the college in as good if not better state than I received it. With the increasing uncertainty of the world, that is not a given. It will take some skill and effort by all of us to ensure we navigate the next decade well. As it always has! For me, continuity has always been a key aspect of taking on new roles. I therefore count myself very fortunate to have taken over from Fiona and to have *Emma enables* as our compass, an observation that only grew as we moved through the terms. As a college we are very, very well set, thanks to her stewardship.

The question of how I can add value to the next chapter of the college's journey is one that Helen and I chatted about in St James's Park that day when I walked out of my old life, and remains one that arises in my mind on a daily basis.

After all, what is the role of the Master? Through the selection process many told me what it wasn't, but no-one told me what it was. The common response to that question when I asked it was 'you will find out!' Nearly a year in I am beginning to see what they meant. It is all about people and therefore the alchemy of personalities, with the Master's role being to facilitate, negotiate, support and encourage. It is rather magical on account of the incredible quality of the people that make up our community but it is also quite a personal thing, and thus hard if not impossible to define. I have therefore spent the year listening, learning and building trust to ensure that I can play my part in helping the Governing Body steer us into the future.

As time passed, I also realised how lucky I was to have started my Mastership just as the Covid-19 regulations eased. I was able to meet people in real life, to break bread with them, to listen. I seized every opportunity to do so and spent time with as many people as possible. These conversations took place all around the UK and at all hours: having the temporary bar beside the Lodge proved useful! Through those engagements I gained a more nuanced understanding that only deepened my sense of service to our community. My first observation is that we are made up of distinct parts: global membership, staff, students and Fellows. My second is that Covid-19 increased the segregation among those groups. It has therefore been wonderful to see everyone working to weaken the boundaries that grew up during the pandemic and rebuild a community that has genuine empathy for the groups that make us who we are. We have come a long way in building back, but I sense that we still have a way to go.

With the context of my first year set, I thought a quick spin through my 'freshers' observations of our people and place might be of interest to you.

Our community

Emma members

Attendance at Emmanuel Society meetings, Gatherings of Members in college and informal members' events around the country, coupled with a lot of one-on-one conversations in person or on Zoom, opened my eyes to the talent in just about every career field that is represented by our membership and its global extent. We have people literally everywhere. The other striking observation has been their love for the college and openness. All made me feel welcome. Every conversation also left me with plenty to reflect on as did the repeated offers of help. My guide throughout all of this has been Sarah Bendall, our Development Director. She is known by all and much, much loved. Her article in this *Magazine*

captures some of this along with the amazing generosity that has brought us close to the *Emma enables* target.

Staff

Nights in the Porters' Lodge, time in the kitchens, evenings at High Table, visits to the maintenance yard, laundry, the bedders' headquarters, the Bursary, tutorial staff, Boat House, grounds, gardeners and so on exposed to me how many people are involved in making the college run and the complexities that they face every day. We are blessed with some remarkable people, whose sense of pride in Emma is tangible. Many have been with us for decades: presenting Mandy with her 35-year certificate at High Table was a particularly memorable moment this year. I also discovered that when one describes our community as a family, on occasions that description is literal, with several generations of the same family working together. Getting to know our staff this year has been a joy, and seeing the college through their eyes has been both insightful and valuable. It has also highlighted to me how lucky we are to have the staff that we do.

Undergraduates

One knows that the students here are talented, both academically and also in a wide range of other pursuits and activities. But Covid-19 restrictions had affected them by removing many of the rituals, extracurricular activities or chance meetings that are such a key part of the Emmanuel experience. Revitalising them is a project that is now firmly underway, as you will see in the reports later in this *Magazine*. However, you will also note some absences. We are still building back. ECSU, who have been an incredible source of insight and advice to me this year, are fully engaged in this venture, ensuring that they nurture and nudge those aspects back to life. They are rightly ensuring that we evolve, rather than just copy what was done nearly three years ago, because the context for and the needs of our students have changed. Their report, later in the *Magazine*, describes their journey well. From my perspective it is a year that they should be rightly proud of.

Robert Henderson, our Senior Tutor, carefully and patiently guided me through the nuances and complexities that are involved in ensuring that our students learn and grow. His article in the *Magazine* captures the unique flavour of this year, the year in which we came out of Covid-19. For me the rhythm of events and rituals each term (and a number of catch-up ones delayed on account of the pandemic), the proximity of the temporary bar to the Master's Lodge and conversations around college ensured that I got to know our undergraduates

quickly. With that understanding I started to recognise that each year-group is different, with its own character often shaped by their lived experience of restrictions. But all are curious, welcoming and supportive of each other.

Postgraduates

Having been a member of an MCR in a college not too far away, many years ago, I was looking forward to engaging with ours, and I have not been disappointed. It is vibrant, diverse and a real community. Grad talks are back and with them the lively interdisciplinary conversations that are the hallmark of good MCRs. Under the leadership of Elise French and then Aadi Sharma, they have also enabled me to gain greater empathy for the range and lived experiences of our postgraduates: this has been invaluable as we start to work out how to increase our post-doc community and how it might interact with our MCR.

Fellows

As the year progressed, I began to understand how impressive and wonderful our Fellowship really is. When I started, I knew that we had academics of note from a very wide range of disciplines, and that they oversaw the academic journeys of our students and provided pastoral care. I also knew that they governed the college and drove our committee structure. But I hadn't realised the way our Fellowship breathes, to enable Fellows to seize opportunities or advance their research. These are well recorded later in this *Magazine*, and I strongly recommend that you spend time on that section, as it will amaze you and instil a sense of pride. I also had not appreciated the fact that the relationship of Fellows to the college is an ancient one: it is not one of employee and employer. It is a fellowship of individuals who are committed to a common purpose, often for life. Later in the *Magazine* you will be able to read the obituaries of the Fellows who sadly left us this year: Rick Martin, Derek Smith, Mike Sayers and John Coates. All three were well known by many in our community, having been active in and around college for years. Many of the things that we enjoy today were put in place by them.

Our place

Our location in Cambridge, the variety of architecture and trees within our site coupled with the beauty of Front Court, the irregularity of areas such as the back of Park Terrace and the freedom of the Paddock, make us unique. I can't help but think that they shape our character in a wonderful way. In functional terms, our living and studying spaces are good; and as you walk around, the architecture

tells you a story of the layers our ancestors added to enable the students of the day to meet the challenges of that time.

And this year has seen the next layer rise from a hole in the ground to substantial buildings with attractive brickwork. It is a bold project, one envisioned by Fiona Reynolds and delivered by our Bursar, Mike Gross. His contribution to *The Year in Review* brings much of that to life so I won't repeat it here; but what it won't say is how instrumental he has been in ensuring that the architects and builders meet our needs. Observing him has been a masterclass in building project management and judgement.

Looking forward

With my 'freshers' year' nearly complete, my second one is coming up fast, and it looks set to be a busy one. We will soon be welcoming new members to the Fellowship, JCR and MCR and start the process of increasing and integrating our post-doc community. It will also see the next steps along the *Emma enables* timeline. Our first *Emma experience* director arrives in Michaelmas, marking the start of a journey of learning for us all. His office will be close to *Fiona's*, the new café, ensuring that he is available and able to plug into the conversations that are increasingly taking place there. Other new facilities and accommodation look set to commence operating sometime in the Lent term. Once they are in use we will get a better feel for how they will shape our behaviour. With the proximity of the library and *Fiona's*, along with the existing South Court, my sense is that the impact will be great. All of these are exciting challenges and ones that I personally am looking forward to. As for me I will keep engaging and listening. And the weekly Vlogs will continue!

To close, I will make a shameless plug for the *Emma enables* event that we will be holding on Saturday, 8 July 2023. That day will celebrate the journey that *Emma enables* has taken us on so far, as well as provide a moment to reflect and take stock of what we have learned as we have travelled along it. It will also be a wonderful opportunity for you to explore the new facilities and get a feel for how our resident members are using them. So please put the 8 July in your diaries. We would love to see you.

Doug Chalmers, Master

From the Senior Tutor

As the academic year starting in October 2020 commenced, all members of the collegiate university were, I suspect, anticipating what was to come with uncertainty and trepidation. The university and colleges had effectively closed down, at least for in-person encounters, at the end of the Lent term, and the time since then had been spent planning how to try to return to some sort of normality in the autumn. This was against a background of a still developing pandemic with, at first, little capacity for testing, little in terms of specific therapeutics for Covid-19 and of course, at that stage, no vaccines.

Well, the academic year 2020–21 proved to be tough for everyone: for freshers, whose last term at school, with associated important examinations, had been compromised and whose first experience of university was not what they were expecting; for other students, whose university experience had been compromised; and, among these, people graduating in 2020 whose final term disappeared before their eyes. Postgraduate students too were affected, being kept out of libraries and laboratories for the duration, which ate into the limited times of their courses. College and university staff were also impacted, dealing with the complications of pandemic-affected home life and adjusting to new ways of working. Of the various constituencies, everyone was lucky if they avoided at least one period of isolation as a result of testing positive for SARS-CoV-2, or being the contact of someone who had.

That was 2020, but as time went on a sense developed that there was light at the end of the tunnel. The major advance over the year, of course, was the successful introduction of vaccines in December 2020 and by the time October 2021 came along, the vaccination programmes had been open for some time to people of all ages. In September 2021 the university conducted a survey of returning and incoming students, revealing that 96 per cent had indicated that they were either already vaccinated or intending to be vaccinated before arriving in Cambridge. A further 3.5 per cent indicated they would need either one dose or two of a vaccination on their return to Cambridge, leaving a tiny proportion of 0.5 per cent who were not planning to be vaccinated at all.

In September 2021, the first hint of abnormal normality appeared, because we were able to welcome back those who graduated in 2020. In fact, many had not graduated at all, as ceremonies had been suspended, but on 11 September

degrees were again conferred in person at the Senate House (still with restrictions, but getting back to normal). So, the year starting in October 2021 launched, still with uncertainty, but with more optimism. True, many lectures, particularly those with large groups of students, remained online, and there were various other compromises to be made, but gradual changes came into place that signalled a return to pre-pandemic ways. Following the relaxation of the various government regulations, lectures were back in person from the middle of Lent term (it is an irritating myth propagated in some media that most lecturers prefer online lectures; most of my colleagues were desperate to have some real interaction with a student audience in the lecture theatre). One change that has endured is the conduct of examinations. The majority of examinations remain online, and it is likely that this will continue for at least the near future. Many of you will remember the note on exam cover sheets with the warning that illegible handwriting 'may put you at a grave disadvantage'. Handwriting certainly made examiners' lives difficult, but that jeopardy has now gone.

In 2020, the year of online activities, admissions interviews took place remotely. Applicants had mostly not visited the college (no open days); therefore, successful applicants' first encounter with Emmanuel was arriving as freshers. The 2021 interviews remained online, and they will do so in 2022 as well. What we were able to do this year was to arrange an offer-holders' day, held in April, when offer-holders (who also had not been able to go to open days, cancelled again in 2021) could come and see the college and meet current students and staff. Open days were back in July 2022, but I think we may continue with the offer-holders' day in future years.

Almost back to normal, then, but there were some intangible elements to the Emmanuel experience that have changed and may not return. The collective memory has been disrupted. Some of elements will probably not be missed but some will, and some new traditions will develop organically, as they always have done.

This reminds me that superficially things stay the same, but in reality there is always change, and one change that I have to note is the retirement and departure of some of our staff and Fellows. Mary Watson has retired from her post in the Bursary. People there are not always as visible as some other people are and among these are our other departing members of staff: Steve Dye has retired from his position of electrician in the maintenance department, leaving one fewer Manchester United supporter in the college for my predecessor to commiserate with, and Graeme Little will leave at the end of the summer, having

been maintenance manager. Attila Guba, who took over as housekeeper shortly before the pandemic struck, will be leaving to take up a post at Selwyn College. Our Research Fellows, Daniele Cassese, David Cowan, Marco Ladd, Malavika Nair, Vinesh Maguire-Rajpaul, Jorge Reñe-Espinosa and Pallavi Singh are all moving on. Giovanna Biscontin, who came to us to teach civil engineering in 2014 and has been on leave in the USA, will be continuing with her position of program director of Engineering for Civil Infrastructure at the US National Science Foundation in Washington DC. Geoffrey Smith, who joined the Fellowship when he came to Cambridge to be head of the department of pathology in 2011, will be retiring and becomes an Emeritus Fellow. Also retiring (and becoming an Emeritus Fellow) is Penny Watson, who has been a Fellow since 2011 and before that a Bye-Fellow (from 2002), and over these 20 years has directed studies for veterinary medicine, as well as supervised both veterinary and medical students. Lucia Ruprecht, who came to Emmanuel in 2004 to teach German and direct studies in modern languages, left in the spring to take up an appointment as professor of *Tanzwissenschaft* at the Freie Universität in Berlin. Finally, Liesbeth van Houts retires. Liesbeth came to us in 1997 to teach and direct studies in history and was immediately plunged into broader college life by becoming a Tutor, which she remained for many years. In great measure under Liesbeth's influence, over the last 25 years history has flourished at Emmanuel and, fittingly, all historian finalists in 2022 rounded off her tenure by being awarded Firsts. Liesbeth will become a Life Fellow.

In the forthcoming year, we will, so far, welcome seven new Research Fellows and one Official Fellow. We will also see a further restoration of normality in college life (I hope). For us, the 'new normal' will include the opening of the new buildings to the south of the main college site. No doubt I will have something to say about this at this time next year.

Robert Henderson, *Senior Tutor*

From the Bursar

Somewhat overshadowed by world events, at the end of 2020 the JCR bar in South Court yielded to the demolition claw. It put up something of a fight, the concrete reinforcement being stronger than expected, and its beams, we discovered, having been cast within boards containing (low-level) asbestos. It took several weeks longer to go than was implied by the length of the original timeline on the contractor's chart, but it left us with much more of a whimper than the bacchanalian bang that it deserved. I don't now remember the precise details of the lockdown that then applied (I think it involved people queuing two metres apart with plastic beakers to collect takeaway beer) but it put a stop to the closing revelries and tears that the loss of such a college institution properly demanded.

In my memories of the bar as a student, it was always full, something that, combined with the thick fog that hung in the air, avoided attention being drawn to its fabric or furnishings. You were aware of, but didn't care about, the condensation trickling down the windows, and the gentle sucking sound made by the soles of your shoes as, at each step, they unstuck themselves from the beer-soaked floor. Yes, it had pool and table football, bar games and, in those days, a juke box and a cigarette machine, though in retrospect the apocalyptic mural that for a long time decorated its eastern wall was odd. And, if I'm being brutally honest, it did have quite a funny smell. But it was home: it was ours and the beer was very cheap.

You may wonder why, almost two years on from its sad demise, the JCR bar falls within my review of the past year. What you may not realise is that the Bursar has the privilege of also being the college's licensee. So, while we are proud to have retained one of the few remaining 'student-run' bars, in truth, for the past 25 years, the relevant buck has always stopped with me. As licensee I have never pulled a pint or tapped a barrel, and I am hugely grateful to the many generations of bar managers who, with occasional guidance, have kept things on the straight and narrow. I do like our bar being student-run: having students manage the cellar, choose the stock and serve the drinks is a very Emmanuel thing. We have always observed the duties attached to our liquor licence, but our arrangement is probably still a little idiosyncratic in the modern world. And, as a licensee I have to admit that, whatever the benefits of them being student-run, my premises have not perhaps always been the most salubrious.



The new college bar in Furness Lodge with its scissor roof trusses

But all of this is to change. The new college bar, located to the rear of Furness Lodge and spreading with multi-functional spaces down through three floors, is almost complete. Come January, with fingers crossed that our construction timetable has withstood both Brexit and Covid-19, it will be open. The main bar, with Douglas-fir cladding, a quarry-tiled floor and scissor trusses arching high overhead, will be beautiful. A second space, which I can't stop calling a 'lounge bar' (but I'm sure that gives entirely the wrong impression), will have large windows looking back towards South Court and the Paddock. The event space, rising through two storeys of the new basement to a roof light set into the courtyard above and framing the night sky, will provide the 'party room' we've never had. The three will be interconnected by a staircase leading down into the events space and a landing at the mid-level overlooking it.

Those paying close attention will have noted a sleight of hand when I reached the fourth paragraph: 'the JCR bar' became 'the college bar'. That was quite intentional. We want the new bar to be more of a shared space in which graduates, post-docs, Fellows, staff and visiting members feel welcome. But that's much more of a tweak than a revolution. There'll still be student bar managers

and still, I fear, an oversupply of those luminously sweet bottled drinks seemingly beloved by students. I have, however, insisted on a bar python (an insulated bundle of pipes to run beneath the quarry-tile floor) that will provide for draught beers. The character of the new space will take a little time to evolve. I'm hoping it will work as well for a quiet after-Hall drink on a mid-term Tuesday as for a packed bar extension continuing into the early hours. I hope that different people will find that it works for them and that it will support an even wider variety of events.

The character of spaces such as these is partly about the architecture, and I think you'll see that Stanton Williams have been very clever in creating spaces that will quickly feel comfortable and relaxed. But it's probably more about how they're used, the history they acquire and the habits they support. The old bar in South Court was soaked in character (among other things), but few people would have gone there for a quiet chat in the early evening when the space was empty and echoing, and the lights then were failing to hide its many blemishes. I also suspect that, even among undergraduates, some people found it all a little too raw and a little too sticky and tended not to use it at all. And that's a shame. In its next incarnation we need to preserve the sense of ownership – that it is a student bar – while making sure that it welcomes everyone. There will be an element of trial and error, but we want it to be an inclusive space and to support a wider range of habits.

I am sure that the new college bar will very quickly feel like home. One of the most remarkable things about our students, as demonstrated by the lockdowns and the associated restrictions, is their flexibility and adaptability. They have adjusted to 18 months of drinks being served from a portacabin and the rather cavernous Old Library being their bar. To many I'm sure this now seems an entirely natural state of affairs: how could it ever have been different? The length of an undergraduate course means that the students' collective memory is surprisingly short, traditions generally just being whatever happened last year. Indeed, in the coming year only fourth-year undergraduates will have known the bar in South Court. That world of dark blue banquettes with their nautical rope beading, worn carpet tiles and posters from May Balls past, is now the stuff of myth and legend. The gaffer tape still attached to the ceiling after some forgotten bar extension and the Christmas tinsel that was never taken down, a memory for very few.

Mike Gross, Bursar

From the Development Director

As I reflect on the past year, I think again about the concept of being a 'good ancestor'. I've just been reading a history of the fate of monastic houses after the Dissolution. I turned to Emmanuel first, of course, and was reminded that when the Dominican friars moved to our site by 1238, they enlarged their holding in the decades that followed, so that it became over 10 acres by 1293. They were good ancestors, as was Alice, wife of Robert de Vere, Earl of Oxford, who enabled them to make some of these purchases. Unknowingly, they laid the foundations for our college, giving us a basis for expansion to the south in the 1960s when we built South Court – donors who helped with that purchase were good ancestors –, in the 1980s when we bought Park Terrace – Derek Brewer was another –, and now many members and friends have helped with the purchase of the land that makes possible *Emma enables*.

Your enthusiasm for *Emma enables* is tangible evidence that the concept of being a good ancestor runs deep in the Emma psyche: thank you! The effect of your support is evident in a myriad of ways. The most obvious is, perhaps, the activity on the building site beyond South Court. This last term we've been enjoying the first fruits of the works: the new café that replaces the old bar in the centre of South Court and which, thanks to the generosity of donors, we're calling *Fiona's*. It is proving a great success: it has been conceived as a non-hierarchical, intergenerational and interdisciplinary space and we're delighted that students, Fellows and staff are all using it for meeting up informally, working in a 'coffee shop' atmosphere, and enjoying refreshments. The coffee's good, and the cakes and pastries from the kitchens are hard to resist. Do please come and sample it for yourself! Beyond *Fiona's* the builders are hard at work, and by the time this *Magazine* reaches you the site will be almost ready to hand over, with 50 new student rooms, new meeting and seminar rooms, a splendid MCR and, very importantly, a new bar and event space. I was amused to see the infrastructure being built in to supply beer from casks to glasses! We can see now how excellent it will all be: the brickwork is superb and the head gardener is busy planning all the planting. It will also be energy-efficient: how can we be good ancestors unless

we do our utmost to protect the earth for future generations? When he founded Emmanuel, Sir Walter Mildmay gave us an endowment, books and plate. But he also provided us with our imagery – acorns and lions – and I’m very excited by the ways that these will be incorporated into the new works.

As we can’t over-emphasise, *Emma enables* is all about the Emma community: the people who make the college what it is. These new facilities will make much possible, and we’re making good progress in several ways. Two new programmes are *Emma experience* – helping everyone in Emmanuel today flourish in the world beyond our walls – and welcoming 100 post-docs to the college. We’re looking forward to the arrival of the *Emma experience* director in October: after all the talk, something’s about to happen! He’ll be developing a programme along three themes: enhancing life skills; promoting health, wealth and wellbeing; and global citizenship. He’ll also help us coordinate our plans for post-docs, and in the next year we’ll be recruiting the first tranche to start in October 2023: it will take us a few years to build up to the full 100. A programme that is continuing is that of supporting students, and the effects are easy to demonstrate. I’ve just had an email from our Tutor for postgraduate admissions, who says: ‘This year we are supporting 22 students and distributing more than half a million pounds. I think this is a significant milestone and due in large measure to the effectiveness of the development effort. Thank you!’

None of this would have been possible without your support. And you’re joining us in a remarkable way. Since the launch of *Emma enables* in June 2021, we’ve received pledges of very nearly £10 million and legacy pledges of over £1 million. Well over one-third of you have supported Emmanuel at some point, 21 per cent in the past year, and 306 supported this year’s Giving Day in March, 33 for the first time ever. While some have made five- and six-figure gifts in the past year and, as you’ll see later in the *Magazine*, our list of Benefactor Fellows (donors of £1m+) and Benefactor Bye-Fellows (donors of £250,000+) continues to grow, all gifts are very valuable and the average size of a donation under £10,000 is £531. Nearly 800 of you have supported the college for 10 years or more. Thank you.

We are looking forward to celebrating with you all that you’ve helped us achieve. Look out for the invitations to our party for donors on 8 July 2023: we’re hoping that you’ll be able to come and see for yourselves all that you’re making possible. And we’ll be celebrating with other events, physical and virtual communications too: we’re keen for everyone to join in, as there’s much for which to say thank you. Good ancestors look forward. Thus, as we celebrate

Emma enables we are also thinking about all that it makes possible, not only in the short term but also in the medium and longer terms. Watch this space!

A very particular way to look forward to future generations who will come and study at Emmanuel is to leave a bequest in your will. We have now had two meetings of the Frankland Society, our way of thanking legators in their lifetimes. This year we could welcome everyone to college again, to hear talks by Matt Seah, a Teaching and Research Fellow, on his research into arthritis, and by Alice McKimm, a student whose PhD into the history of women's shelters is funded by a legacy.

Being able to hold events in person again has been fantastic and they've generated a real buzz. We've had Gatherings of Members once more – indeed, we held two in March so that the group whose reunion was postponed twice in both March 2020 and March 2021 could finally come –; the Gomes lecture by Caroline Wyatt, the text of which is printed later in this *Magazine*; the annual Harvard dinner; Burnaby recitals and many more. Dining at High Table has resumed and is as popular as ever: do please let us know if you're coming to Cambridge and would like to take advantage of your dining privileges as it is always lovely to see you. Members of the Master's Circle had a particularly special dinner this year as they joined us for the opening of *Fiona's*. The Emmanuel Society held a garden party in college, where a talk by Sebastian Faulks, a tour of the building works, a steel band, face-painting, garden games, a bouncy castle and of course the swimming pool all proved popular on a pleasantly sunny afternoon. Society events in person resumed not only with a splash but also with a clash: another highlight was a dinner at the Royal Armouries in Leeds. The demonstration of fighting by two knights in armour was enthralling. As I write, responses are coming in for our parties in the US, when Doug, his wife Helen and I will be resuming international travels again. I'm much looking forward to seeing our US members again and to introducing you to our new Master.

One of the silver linings to the pandemic was that it forced us into the world of virtual events and communications. Talks on Zoom have been attended by members from all over the globe, as have the monthly workshops for those interested in all things entrepreneurial; enterprise is an area we're keen to develop in the coming months and years. *Emma connects* proves as popular as ever, with nearly 60 per cent of recipients opening the email. Barry Windeatt's blogs about the rare book collections and portraits have been joined by those from Amanda Goode on aspects of college history and, more recently, Brendon Sims the head gardener and Steve Montgomery ('Monty'), the head porter. We are receiving

many appreciative comments about Doug's weekly videos that give an insight into all that's happening in college and glimpses of life behind the scenes.

And so we reflect and look forward. There's a vibrancy in D3 and D4, the home of the Development Office. I hope Sir Walter would approve that we're inhabiting the set of rooms traditionally reserved for Founder's Kin as, like him, we're thinking about our legacy for future generations. We've said goodbye to a few residents of our rooms this year: Emma Sullivan decided not to return after her maternity leave, Rebecca Sharkey left us for a new role at her college, Queens', and Kate Hawkins has been tempted back to her former life in advertising. We miss them all but know they'll keep in touch. So, we trust, will you. Your interest and involvement make everything worthwhile and whether you speak or correspond with Nina Brookes and Rima Hore (events and communications), Holly Freeborn and Samantha Marsh (donor relations), Lizzie Shelley-Harris and Linda Thomson (data), Claire Williamson (personal assistant) or me, you'll receive a warm, friendly and helpful welcome to this, your, and our, college.

Sarah Bendall, *Development Director*

From the College Librarian

The academic year started rather tentatively, with everyone working towards resuming normality again. Only a few in-person library inductions were held at the very beginning of Michaelmas term, and many still continued online. Both Michaelmas term and Lent term were much quieter than usual; however, by the end of Lent term and the approach of exams the library was as busy as ever. Easter term was completely back to normal, with heavy use of library facilities 24/7. Much to everyone's relief, Covid-19 restriction signs were removed. The cut-out Dalek, which had proved very popular at the height of the pandemic, found a new home in the Wates Room, the 'chill' area, on the second floor of the library.

More wooden book supports were acquired for readers to use at desks. These proved to be popular and were well used. Just after the end of Easter term a new self-service unit for issuing books replaced the old one near the library entrance. Running up-to-date software, easier and faster to use, and offering an accessibility button, it is likely to be in great demand in the new academic year. It has been set up to read different types of barcodes and thus to enable us to use the Cambridge University card.

The small collection of popular fiction from the Wates Room was rehoused on the fourth floor to make it more easily accessible to readers. The welfare and self-help collection was moved to its own section on the third floor.

It was good to welcome back Emma members once again in September for the Alumni Festival. They were able to explore the library and to view a selection of books in the Graham Watson Room, along with a special exhibition. The theme was costume books from the Graham Watson collection. One of the strengths of the collection is the wide range of hand-coloured plates depicting different



From a special exhibition of illustrated works on costume from the Graham Watson collection

types of costume such as academical dress, historical costume, high fashion and everyday outfits of workers. Beyond that, we were able to welcome more visitors than in the previous few years. External researchers, prospective students and special groups of visitors all started to return. For the first time since the pandemic, scholars from abroad have returned to consult manuscripts and early printed books in the library's Special Collections.

Donations

Throughout the past academic year the library has received many generous donations of books by members and others. We wish to acknowledge our grateful thanks and appreciation to them all. Among the many donors were: Toby Bainton, Anthony Craighill, the Revd John Drackley, James Hoyle, John Isaacson, Olivia Lavigne, Mary Longford, Joan Maclver, Nariswari Nurjaman, Ian Reynolds, Lucia Ruprecht, Rosy Thornton, Mary Watson and Jean Wemyss-Gorman. We were also given classics books from the library of Ian Fallows, biochemistry books from the library of Rick Martin (donated by Simon Martin and family), books from the library of John Pickles presented by Andrea Porter, a book from the library of Graham Sharp presented by Penny Sharp, *Seven Years in China in the 1930s: Letters Home from Two Missionaries* (2021) presented by Peter Wemyss-Gorman, and a collection of books on mountaineering from Rhys Williams.

The following presented copies of their own publications to the College Library:

Professor Bill Adams, *Green Development: Environment and Sustainability in a Developing World*, 4th ed (2020); Toby Bainton, translation of Eddie Thomas Petersen's *After the Death of Ellen Keldberg* (2018); Alan Baker, *The Personality of Paris: Landscape and Society in the Long-Nineteenth Century* (2022); Richard Barnes, *An Ideal Daughter* (2022); Charlotte Frise, co-author, *Obstetric Medicine (Oxford Specialist Handbooks in Obstetrics and Gynaecology, 2020)*; Shahid Hamid, *Treasured Memories* (2021); Kieran Heinemann, *Playing the Market: Retail Investment and Speculation in Twentieth-Century Britain* (2021); David Hughes, *The Grand Organists of United Grand Lodge, 1813–1900: A Biographical Study* (2021), 'Sir Arthur Sullivan: Some Masonic connections', in *Sir Arthur Sullivan Society Magazine* **108** (2022), 'The Holmes Temple: construction and symbolism' and 'The significance of the portraits in the Holmes Temple', in *Transactions of the Lodge of Research*, **2429** (2020–21); Paul Jennings, *Working-Class Lives in Edwardian Harrogate* (2021); Jonathan King, *Love Margaret: All Too True A Tale* (2021); David K Money, co-author,

Fashioning the Elusive Self: Autobiography in China and the West (2015); Jo Ripplier, *Horizons: Collected Poems* (2018); Cynthia Wight Rossano, *Harvard: A Procession of Presidents* (2021); Ruth Tatlow, *Bach and the Riddle of the Number Alphabet* (2006) and *Bach's Numbers: Compositional Proportion and Significance* (2016); William Tobin, *I'm Standing: William Tobin, Candidate for Uxbridge & South Ruislip Borough Constituency, UK General Election* (2020); and David Young, *Beethoven Symphonies Revisited: Performance, Expression and Impact* (2021).

Special Collections

There were more enquiries concerning the college's early printed books and manuscripts this academic year. Requests for reproductions were still at a higher level compared to pre-pandemic years, although once restrictions had been lifted visiting researchers returned to consult items in person. The subjects of this year's research enquiries included: MS 251, *Hippiatrica*, one of the library's most popular manuscripts, on the subject of horse medicine; MS 106, second in the popularity stakes, a fourteenth-century manuscript that includes devotions; MS 125, a fourteenth-century chronicle; MS 68, a seventeenth-century manuscript mostly containing poems; the Peter Sterry manuscripts; the fifteenth-century Huntsman Binder; John Flamsteed's *Historia coelestis Britannica* (London, 1725); and works by Hugo Grotius and William Tyndale.

Members very generously added to our collection of books from the nineteenth century: Nick Gibbon presented *Turner's Rivers of France, with an Introduction by John Ruskin and Steel Engravings Selected from the Originals of J M W Turner, R A, Described by Leitch Ritchie, the Companion of Turner during His Tour through France [1877?]* and Hugh Pearson presented William Kirby and William Spence, *An Introduction to Entomology: Or, Elements of the Natural History of Insects*, vol 1 (2nd ed, 1816).

Special Collections blog

These popular blogs by the Keeper of Rare Books, Barry Windeatt, continued throughout the academic year and touched on a wide range of subjects including panoramas, picturing war, eighteenth- and nineteenth-century Russia, Henry Pyne's *Microcosm* (1808), rivers, and costumes and customs in early Britain.

Exhibitions

In May a group from the Worshipful Company of Glovers visited the Graham Watson Room and the Archbishop Sancroft Library. A special exhibition entitled



From a special exhibition on 'Graham Watson: a collector and his books'



A case of silk shade cards exhibited in 'Graham Watson: a collector and his books'



Brighton Pavilion

'Brighton: bathing machines and sea resorts' was put on for their visit. The books on display were mainly nineteenth-century hand-coloured plate books from the Graham Watson Collection. The display illustrated the development of coastal towns into fashionable watering places.

The Cambridge Bibliographical Society also visited the library in May, on the occasion of its summer AGM. The Graham Watson Room and Archbishop William Sancroft's library were opened for them. There were books on display on the table in the Graham Watson Room and in the atrium. A special exhibition, 'Graham Watson: a collector and his books', marked the occasion. Exhibits showed the Watson family's association from 1865 with Lister's silk mills through a family photograph and a case of silk shade cards. One of Graham Watson's twin-lock binders containing his handwritten catalogue entries for his books was on display and a rough sketch he had made for the design of his own bookplate.

Conservation work

Conservation work on items from the library's early printed books and manuscripts was undertaken by the Cambridge Colleges' Conservation Consortium. Twenty-four fragments of printed text, originally used as part of the binding of 321.6.35, *In Hoseam Prophetam ... Martini Lutheri ... enarratio ...* (Frankfurt, 1546) were stabilised and rehoused in melinex and a four-flap folder. A book from Archbishop William Sancroft's library, S8.4.8, *Joannis Jonsii Holsati De Scriptoris Historiae Philosophiae Libri IV* (Frankfurt, 1659), had its boards reattached and a book shoe constructed to protect it. MSS 4.3.9, containing two sixteenth-century texts,



The stamped back board of MSS 4.3.9, depicting Saint Barbara and her tower

Angelome de Luxeuil's *Enarrationes in Cantica cantico[rum]*... (Cologne, 1531) and Didymus the Blind, *In Omnes Epistolas Canonicas Brevis Enarratio*... (Cologne, 1531), bound in a contemporary binding, also underwent conservation work. The text block was cleaned, the spine reinforced and the original spine cover reattached. This sixteenth-century binding is one of the more interesting bindings in the early printed book collection. The boards have panels stamped in blind and consisting of depictions of saints. On the front board is St John the

Baptist, and on the back board St Barbara with her tower. There are remains of metal clasps on the fore-edge of the boards.

Project to construct drop spine boxes and phase boxes for the college library's collection of manuscripts

Two phase boxes were made by conservator Bridget Warrington this year. One was made to house a copy of the college statutes (MS 417). The statutes required protection as the front board of the volume was missing and it could not be shelved without danger of further damage. It will now be possible to catalogue this volume and shelve it in the main manuscript sequence. A phase box was also constructed for 341.1.23(1–2), two sermons by Thomas Sparke (1548–1616), incorporating a donor label. These were presented by Terry Lewis in 2021. The sermons were unbound and needed protective housing so that they could be shelved safely in the library's collection of early printed books.

Helen Carron, *Librarian*

From the College Archivist

Normality returned to the archives during the academic year 2021–22, although visitor numbers remained below average, particularly in respect of overseas researchers. There was a steady stream of donations, comprising original archives, photos, artworks, artefacts and printed material. Many of these came from former Emma students, or their relatives, although several members of the Fellowship have also contributed items. Thanks are therefore due to: David Adams, Richard Ames-Lewis, Alan Baker, Brian Bell, Sarah Bendall, Treve Brown, A J (Jack) Chalkley, Antony Chapman, John Copping, John Farquharson, the family of the late Charles Gimingham, Celia Kent, Geoffrey Lloyd, Donald Maxwell, Stephen Musk and Mike Darage, Diana Plackett, Andrew Pyke, Jim Roseblade, Cynthia Rossano, Laura Russell, Joy Saunders, George Taylor, J Graham Taylor, Brian Thrush, Tessa Tulloch, Stephen Watson, the estate of James Wilkes and Lord Wilson of Dinton. There were



Emma was a strong rugby college in the late '50s and early '60s. This photo, provided by (Alan) Will Wyatt, was taken at the 1962 final of the Esher Sevens, an important competition, where Emma lost to Richmond. Left to right: referee; Mike Wade, captain of the unbeaten 1961–62 Cambridge XV and England international later in 1962; Will Wyatt; Richard Stephenson; Ian Palmer-Lewis, Emma captain; John Owen, Blue and 14 England caps 1963–67; Richard Greenwood, Blue 1962–63, five England caps 1966–69; Richard Heron.

also two anonymous donors. Gratitude is also due to those who sent digital images of documents and photos, including (Alan) Will Wyatt (1961), whose photo of the Emma rugby sevens finalists at Esher in 1962, is reproduced here.

Topics of research studied by those visitors who did make their way to the archives included: the history of the college boathouse; the development of Parker's Piece; the college in the Civil War; Dr Wu Lien-Teh; the Wren chapel; the architecture of the 1960s Master's Lodge; the eighteenth-century college; the history of housekeeping at Emma; Choudhary Rahmat Ali; and the college during the First World War. On 15 March a group of USAF colonels, escorted by the High Sheriff of Cambridgeshire, Caroline Bewes and her husband Richard (who by coincidence has family connections with Emma), toured the college; during their visit they viewed some of the college's foundation archives and items relating to John Harvard and our later links with Harvard University.

Geoffrey Lloyd's article in last year's *Magazine* about Haywood Burns, the 1962 Harvard Scholar, prompted Graham Riches (1961) to loan, for copying, his photo of the 1962–63 Mildmay Essay Club, which was taken in the Harvard rooms and, naturally, included Burns. Graham could remember the names of many of the men in the photo and Phil Brown, the archives' regular volunteer, identified the rest. The Harvard Scholar was always elected a member of this essay-writing club, and by tradition contributed the final essay of Easter term, on the grounds that he (for it was always 'he', in those days) did not have exams. Phil has worked out, by consulting the club's records, that Graham's photo was taken during that final essay-reading session, on 8 May 1963. The club minutes record, somewhat



The Mildmay Essay Club, 1962–63, including Haywood Burns, the 1962 Harvard Scholar, standing centre, discussed in the 2021 *College Magazine*, courtesy of Graham Riches (1961)



The 1966 freshers, donated by Jack Chalkley (1966)

illiterately, that during that meeting 'Mr Burns essay entitled "The Lost Found Nation" dealt authoritatively with the Black Muslim problem in America. It was warmly received and stimulated many questions which Mr Burns dealt with in the same authoritative manner' [punctuation and spellings as written]. Unfortunately, the text of this essay has not been preserved in the club's archives.

The inclusion in last year's article of a photo showing a mid-Victorian EBC eight on an unidentified stretch of river elicited several swift responses from members who knew precisely where it had been taken. First past the post was Peter Selley (1969), who recognised the 'Dog & Bird Fancier' building in the background as being the premises of Richard Callaby on the Cam near Jesus Green. Peter provided some interesting information about Callaby, including the fact that he managed the Trinity Foot Beagles' hounds. Callaby's apparently occupied the buildings shown in the photo between 1814 and 1896. The wall still survives, as does the adjacent property, now a restaurant.

The appeal in last year's *Magazine* for fresher photos yielded some positive results. Jack Chalkley (1966) and Treve Brown (1991) very generously parted with their photos. Treve also donated a photo of his General Admission procession. Graham Taylor took the trouble to have his 1951 photo professionally copied and printed for us, which was much appreciated. The earliest year for which we did not have a freshers' photograph was 1941, but we were very fortunate in being able to fill that gap last year. Caroline Gimingham, the widow of Professor Charles Gimingham,

and their daughters Alison, Anne and Clare, donated Charles's matriculation photo last September, just too late for inclusion in the *Magazine*. The early photos of 1970 and 1971 are still wanting. There are some later gaps, too, as reported last year, but most members understandably do not wish to part with their photos just yet, so the appeal will be renewed when a little more time has passed.

Some years ago a request was made for spare copies of Frank Stubbings's *Forty-Nine Lives*, which proved very successful. I am now making a similar request for another scarce booklet written by Dr Stubbings: *Emmanuel College Chapel 1677–1977*. The archives' only copy is in danger of falling apart through constant use: if any members were prepared to donate theirs, it would incur the heartfelt gratitude of the archivist.

It was another good year for accessions of student group photos. George Taylor (son of Philip, 1921) gave his father's fourth Lent boat photo for 1922, as well as some old prints of Emma. Antony Chapman (1956) donated, among other things, his Emma football, tennis and Law Society photos. An Emmanuel Boat Club group photo for 1943 showing the club in its entirety, which is slightly unusual, came up for sale on ebay and was purchased for the college by an anonymous donor. Diana Plackett, widow of Anthony (1953), gave us his third and fourth boat crew photos and other items. John P Farquharson (grandson of John James) and



The Emmanuel Historical Society, 1909, including John James (1906), donated by his grandson John P Farquharson and Sherry Soules



Miniature Emma cap owned by John Crittall (1931) and donated by his daughter Laura Russell

Rugby Club socks belonging to William Lewis (1931), donated by his son Richard Ames Lewis (1963)

Sherry Soules gave Mr James's 1906 matriculation photo (of which we already had a copy, but not in quite such good condition) and his Emmanuel Historical Society photo for 1909: the photo included several men for whom we had not previously had any identifiable photographs. This has enabled us to add an image of Edward Spearing to the college website's Roll of Honour (First World War). We are most grateful that John and Sherry took the trouble to send these photos from Canada. Joy Saunders gave the photo album compiled by her father, Robert Timberlake (1920), which includes both formal group photos and a wealth of snapshots showing college scenes and social activities. Cynthia Rossano who, with her husband Kenneth, inaugurated and endowed Emmanuel's annual Peter Gomes Lecture in 1999, presented us with an album containing her photographic record of the lectures, covering nearly 25 years.

Several unusual items came to the archives this year. Richard Ames Lewis (1963) gave the knitted Rugby Club socks worn by his father, William (1931). Their remarkable state of preservation is mainly due, Richard says, to the fact that William did not play rugby himself at Emma. For many years they served as Christmas stockings for his children. Laura Russell was kind enough to donate the miniature mascot Emma cap, about three-and-a-half inches long, which had been owned by her father, John Crittall (1931). It is made of velvet, with a metal-thread tassel and a tiny college crest. Donald Maxwell (1944) gave his Thomas Young Club tie, which has a motif of swans and parallel lines. This design alludes to the

legend that Young formed his wave theory of light while a (mature) student at Emma, 1797–1802, after observing the ripples made on the pond by our swans. In fact, there is no evidence that there were any swans at Emma until later in the nineteenth century, but presumably ducks could have caused the same effect.

At the instigation of Treve Brown, the archives' copies of two episodes of BBC's *Gardeners' World*, held in obsolete U-matic and chromdioxid videotape formats, were digitised and can now be viewed. The filming took place on 14 and 16 May 1979. The episodes, each 25 minutes long, were exclusively dedicated to Emmanuel and include segments showing head gardener George Sealy (who retired at the end of that year after 30 years in the post) proudly displaying various parts of the gardens to *Gardeners' World* presenter Peter Seabrook, who died in January 2022. The BBC was apparently pleased to hear about this 'discovery', as most episodes of *Gardeners' World* from that era have not been preserved.

In January 2022 the archivist made a long-planned visit to the university archives to inspect the 'bishop's transcripts' of the church registers of St Andrew the Great, the Cambridge parish in which Emma lies. Many interesting facts and statistics about the deaths and burials of Emma Fellows and students were discovered, as well as some hitherto unknown, or unconfirmed, information about the wives and children of a few of our pre-Victorian Masters. The findings have featured in several of the archivist's monthly blogs.

An exhibition of 'treasures' from the archives was put on in the library atrium midway through Lent term. A happy consequence was that Lucy Graham, a graduate student, volunteered her services in the archives. For the remainder of the academic year, Lucy spent one afternoon each week in the archives, carrying out a variety of tasks. In the early part of the Long Vacation she worked on a particular cataloguing project. This has resulted in several more years'-worth of entries being added to the digitised calendar of the Parlour wager books, which commence in 1769 and are an invaluable source for the history of the college.

Philip Brown (1964) has continued to proofread and footnote his transcripts of the First World War letters written to the Senior Tutor, 'PW' Wood, by serving men. Hopes of completing the project this year were not fulfilled, but next year should see it concluded. Both Phil and I were very saddened by the death of John Pickles (see *Obituaries*), who had put his research skills at our disposal on many occasions. John had also purchased and donated various Emma-related historical items. His bequest to the archives is very much appreciated and will perpetuate his memory.

Amanda Goode, *College Archivist*

From the Chair of the Emmanuel Society

I wrote last year that the Emmanuel Society's focus during the Covid-19 pandemic was to support the college in keeping in touch with its members. This remained our priority as the impact of the pandemic thankfully receded and events resumed. We have continued to use Zoom for talks and other events, which has meant that members living and working all over the world, and not only those close to London or Cambridge, have been able to attend. This has led to a significant increase in members attending events for the first time.

At the Society Day (incorporating the AGM) in November 2021 our planned speaker, Sebastian Faulks, was unfortunately unwell. However, our (then very) new Master kindly spoke to members on 'The military instrument: theory and practice'. Members then had lunch in the Old Library before a sing-and-play-through of Handel's *Messiah* in the chapel, joined by the chapel choir and student instrumentalists.

The college and society carol service, back in-person following a virtual service last year, moved to a new venue at St Pancras Church on Euston Road in London in December. Members, students, staff and the chapel choir joined together to sing carols and share festive greetings. We will return to Temple Church this December.

In March 2022 Alex Thomas, programme director at the Institute for Government from January 2020 and previously a civil servant (including two years in 2015–16 as principal private secretary to Sir Jeremy Heywood, cabinet secretary and head of the civil service), spoke on 'No Minister: Sir Humphrey's long and lamentable shadow'. Alex's thesis was that, although the UK's uncodified constitution requires all discussions about British government to turn, sooner or later, to Jim Hacker, Humphrey Appleby and Bernard Wooley some 42 years after it was first broadcast, the British government is more *Thick of It* than *Yes, Minister*. I have never seen so many swear words (artfully disguised with *** of course) used at a society event. I would use words like 'hilarious' and 'outstanding' to describe Alex's talk, but as he is my husband there may be something of a conflict.

Also in March Dr Vik Mohan (1988), a GP with an interest in global health and passion for marine conservation, spoke on 'How listening to communities

can help save our oceans'. Vik gave a fascinating talk about his experiences of integrating health services into conservation activities, and how this has led to better health, healthier oceans and more resilient communities.

In May Alice Strang (1992), formerly of National Galleries of Scotland (where she was curator of the landmark exhibition 'Modern Scottish women: painters and sculptors 1885-1965') and now senior specialist in modern and contemporary art at Lyon & Turnbull auctioneers, took us through a workshop on 'An (almost) A to Z of modern Scottish women artists' from Mary Armour to Anna Zinkeisen, based on works in UK public collections.

In June we were able for the first time in two years to go north, this time to 'God's own county' for dinner in the Tournament Gallery at the Royal Armouries Museum in Leeds with members based in the north of England and the Midlands. We were delighted that the Master came on the road with the society for the first time and all enjoyed an exciting display of jousting knights before dinner. I can confirm that Dr Sarah Bendall knows how to wield a sword. The dinner – twice-cancelled – was the idea of David Lowen, my predecessor as chair and honorary vice-president of the society. It was therefore a great shame that for family reasons he was unable to attend.

The society's garden party took place in glorious sunshine in July. Highlights included the recovered Sebastian Faulks, who spoke on 'Who are we? What are we? Can fiction help find the answers?', face-painting, Jack's gelato, and a tour of the building works between South Court and Park Terrace.

I wrote in the last *Magazine* that for several years now we had wanted to arrange events for entrepreneurs. With the support and assistance of Peter Parkes (2003), cofounder of Qualdesk, we have now developed a series of workshops held via Zoom. In October 2021 Tom Petit (2006) cofounder of Landis, the New York-based property and home-ownership company, led a discussion on 'Finding product-market fit'. In November Eleanor de Kanter (1999), CEO of Hera, a pensions tech start-up and deputy chair at The Wine Society, hosted a workshop on 'Walking the talk', a discussion of changing employee expectations. In January 2022 Sophie Adelman (2002) CEO and cofounder of The Garden and previously of Multiverse.io, shared her insights into what to do and what not to do when thinking about raising a first round of institutional funding from angels and venture capital firms. In February Hans Gangeskar (2003), founder of US telemedicine company Nurx, led attendees in a discussion of some of the challenges of running a start-up in a highly regulated space, and some of the differences in opportunities in healthcare across the US, UK and European healthcare systems. In March Paul

Fellows (1979), who now works at exec and non-exec director level in a number of tech companies, discussed 'Align for success'. In May, Chris Kaye (1991), the founder of Sherpa, an insurtech start-up, delivered an insightful workshop on 'Funding the start-up journey: lessons from the sharp end' about his experience of different funding options. Most recently, in June Mary-Jane Brouwers (1981), who has worked in early-stage equity investments for over 20 years, spoke on 'Angel investing: a Scottish perspective'.

In October 2021 we led a showing of *PLAYHOUSE*, the debut independent horror/thriller by Toby Watts (2007) that won best thriller feature at Hot Springs International Horror Film Festival in 2020. Members joined us both in-person and via Zoom, and Toby led a Q&A after the film, answering questions on everything from the filming process to breaking into film as a career. Toby returned in April 2022 to lead a workshop about 'Opportunities, challenges and the rise of independent film', during which he explained why so many filmmakers now work independently of larger studios and described the opportunities for entrepreneurial filmmakers and investors to succeed in an extremely crowded marketplace.

Our Cambridge-based book group, organised by Gin Warren (1978), has continued to meet. In September 2021 the group discussed *More Than Love Letters*, a series of letters and emails, written by Emmanuel's (then) Fellow Rosy Thornton (who had the misfortune of having to supervise me in land law in 1992: sorry, Rosy!). In November the group read *The Map of Love* by Ahdaf Soueif, a novel set in Egypt and England in intertwined episodes at the beginning and end of the last century. In February 2022 the group discussed Sara Sheridan's *The Fair Botanists*, set in Edinburgh in the 1820s and in May the group teased out questions about colour in two books: *The World According to Colour* by Bye-Fellow James Fox and *The Story of Black* by Fellow John Harvey.

Careers events remain central to the society's purpose, even more so now that the uncertainty caused by Covid-19 has made the task for those who are soon to graduate (or have recently graduated) even more daunting. As a result the society was delighted to co-host an event with ECSU and the MCR in November 2021. Six members spoke to a group of around 50 students, with an insightful Q&A at the end. The immediate feedback was very positive. Luke Montague (2008), Jessica Cherry (2008), JuG Parmar (1986) and Kavish Shah (2014) were responsible for the organisation of a very successful evening.

A number of Emma members also organised gatherings overseas. In September 2021 members in Switzerland met in Zurich for lunch at Neue Taverne

and a visit to the exhibitions of Japanese narrative art and manga at Museum Rietberg, arranged by Joseph Heaven (2002). In November, two years after their last face-to-face meeting, members met in Brussels at the 13 Degrees wine bar in the city's European Quarter, organised by Nigel Cameron (1971); they met up again at the end of April 2022. Rob Misey (1985) is organising a wine tasting in Chicago at the end of August.

Richard Webber (1978) stepped down from the committee in October 2021 after 13 years. I am very grateful for all his work and support. Rakesh Patel (1992) joined in early 2022 and his membership will be formally ratified at this year's AGM.

I am very grateful to the support and encouragement that Doug Chalmers, our new Master, and his wife Helen have already shown the society over the last year. One of Doug's many priorities is to increase the involvement of the wider college membership in the life of the current student and Fellowship body and the society is obviously very well placed to assist in meeting this aim.

I would also like to express my sincere thanks to Sarah Bendall, Nina Brookes, Rebecca Sharkey, and their colleagues Holly Freeborn, Kate Hawkins, Rima Hore, Samantha Marsh, Lizzie Shelley-Harris, Linda Thomson and Claire Williamson for their unqualified support of our events. All in the Development Office have remained fully committed to the society at a time when dealing with both Covid-19 and the building project meant that their attention could so easily (and justifiably) have been elsewhere. The support and friendship that I receive from my fellow officers – Andrew Fane (president, 1968), Rodney Jagelman (treasurer, 1969), Ken Sheringham (secretary, 1966) and committee members, including the MCR and ECSU representatives – is also hugely appreciated.

Nicholas Allen, *Chair, The Emmanuel Society*

Metasequoia glyptostroboides, dawn redwood, in Chapman's Garden



Views

The Gomes Lecture 2022

IN DEFENCE OF JOURNALISM

The Gomes lecturer 2022 was Caroline Wyatt, journalist and broadcaster. What follows is a minimally edited transcript of the lecture. Wyatt was born near Sydney, Australia, in 1967 and took a degree in English and German at Southampton University; she later studied journalism at City University in London. She joined the BBC in 1991. By the later 1990s, she was the BBC's Berlin correspondent, later becoming correspondent in Moscow and Paris. She was appointed the BBC's defence correspondent in 2007 and went on to report from conflict zones including Iraq, Afghanistan and the Balkans. In 2014 she became the BBC's religion correspondent until 2016 when, with the announcement that she had been diagnosed with multiple sclerosis, she confined her roles to the studio. She has worked extensively for Radio 4 presenting *The World Tonight*, *Saturday PM* and *From Our Own Correspondent*, among other broadcasts.

The Gomes lecture was endowed by Kenneth R and Cynthia Wight Rossano of Boston, Massachusetts, to honour the late Reverend Professor Peter John Gomes, DD, equally acclaimed in Emmanuel College and Harvard University. The occasion celebrates and reflects the close historic ties that link our institutions. See www.emma.cam.ac.uk/gomes for a fuller history of the Gomes lectures.

Enormous thanks to Doug Chalmers for inviting me here this evening, and for his very kind introduction. It was something of a delightful surprise, as well as a great honour, to be asked to give this lecture tonight.



Caroline Wyatt, Gomes Lecturer 2022

I never had the chance to meet the late Reverend Professor Peter Gomes, who died too young. But reading some of his writing and watching him, via the wonders of YouTube, debate religion with the late atheist Christopher Hitchens, I wish that I had been able to sit and listen to Reverend Gomes over a civilised afternoon tea. Having devoted much of his life's work to preaching and explaining the words of the Bible, he spoke in that discussion about why he thought religion mattered. Because, he said, it gave us – fallible, frail, difficult human beings – something that can both transcend and unite us in trying to do better. In his view, it enabled us to aim high, even if we fail.

I've sometimes thought of journalism in a similar way. Not that journalists are in any way the keepers or disseminators of a higher truth, unless perhaps you work for *The New York Times*. But in a much smaller way, most of us go into the trade with the noblest of intentions: to inform, to educate and sometimes to illuminate. To aim high, even if we often fail. Real journalism seeks to furnish its audience with the facts, to prompt wider debate and discussion, to help readers, listeners or viewers think about how we live and how we shape our societies, and the impact that we humans have on this world and on each other. Sometimes good journalism can help right historic wrongs. Sometimes it campaigns for a better world. And sometimes, at its most basic but perhaps most essential, it lets you know what's happening where you live.

In the quarter century that I worked as a foreign correspondent for the BBC, technological change has been a constant. For most of that period, we thought the conventional mass media were on borrowed time, in danger of being superseded by new ways of communicating news, because we're all reporters or citizen journalists now. Anyone can Tweet or post a story on Tik-Tok, or publish a blog, or go viral on Facebook. Who doesn't have their own podcast these days? For a long time, in the 1990s and the early years of the twenty-first century, we believed that soon there would no longer be a need for a distinct caste of journalists, who report or mediate the news on behalf of a wider public.

But we were wrong. Today, in 2022, honest, factual, professional reporting is more important than ever. And for me, it's still the foreign pages of the newspapers or websites that I turn to first: the reportage from correspondents who travel abroad to give us eyewitness accounts of war or disaster, and who seek to put those events in context and tell us what they mean and why they matter.

We live now in an age of information overload. Yet we seem to have fewer agreed facts on which to rely, casting us adrift in a sea of conflicting opinion, disinformation or misinformation and conspiracy theories, often spread online, yet with damaging and sometimes lethal consequences in the real world. The amount of data we produce on this one small planet each day is vast, something like 2.5 quintillion bytes of data created every single day in 2020 alone. Roughly 90 per cent of the data in the world has been generated over the past few years. There are 18 zeros in a quintillion, if that's any help.

In an era of rapid technological change, how can we even begin to make sense of our world when there's so much information? Journalism is one of the ways, at its best shining a light towards solid ground for those caught in the storms raging through our democracies. This is because accurate first-hand accounts of what can turn out to be world-changing events – a first, rough draft of history – whether in eastern Ukraine today or Afghanistan, Syria or Iraq, can help us, as citizens of western democracies, better understand the forces that shape us and the world around us, and better respond to them.

Here in the UK and elsewhere, social media have demonstrated their value in putting power and information in the hands of people and communities who've never had it before. But these two years of pandemic have proved that there is still a public appetite and need for the mainstream media and a considered and accurate digest of what's happened over the course of the day, mediated by a group of people trusted to compile it on behalf of the audience from the confusing raw data and the evolving scientific research, and deliver it in easy-to-understand form.

Luckily for me, the only attributes needed to become a journalist, according to the late Nicholas Tomalin, a distinguished war reporter for *The Sunday Times*, are 'a little literary skill, a plausible manner and rat-like cunning'. Two out of those three were enough to get me into the BBC as a news trainee in 1991, and I was lucky enough to become a foreign correspondent just two years later, in Berlin, not long after the collapse of the Berlin Wall.

Those were happier, more confident days: just after the end of the Cold War, when the liberal democracies of the West felt sure there would be an irreversible

flowering of democracy, freedom and prosperity across the whole of Europe, including the nations of the former Soviet Union. Germany was reunited and sloughing off the scars of its decades of separation by the Iron Curtain. The European Union was expanding. The Good Friday agreement on Northern Ireland was signed, while the landmark Oslo accords for a while even seemed to herald peace in the Middle East. And we felt sure too that the internet and 24-hour news channels would help bring us together to share in this new age of peace and enlightenment.

But even then, the skies were darkening. By the time I moved to Moscow in 1999, as Vladimir Putin was about to take power, it was becoming clear that the story of the Cold War was not yet over, and that progress was not a one-way street. The following year, a single day profoundly changed not just my life but millions of others' as well as the course of the next few decades. That was the day when two planes hit the Twin Towers in New York, September 11 2001. Suddenly, we in the West found ourselves in the midst of a so-called 'global war on terror' that few were prepared for, a war that proved hard for our democracies to understand, let alone fight.

As it happened, that day I'd just moved into a new flat with my then boyfriend and realised we were short on essential supplies. I found myself in the John Lewis department store, clutching a new loo brush while taking a call from a friend asking whether I'd seen the news on TV. I hadn't. So I dropped the loo brush and hastened to the television department instead, dumbfounded as I watched a row of silent TVs, every single one, large or small, showing the Twin Towers aflame, smoke billowing against that clear sky, like some nightmare art installation at the Tate. It was an act of terror so profound that it needed no words.

That day, and the visceral hatred behind that act for all that the West stood for, marked the start of a new chapter that would come to dominate many journalists' and policymakers' lives for the next two decades and beyond. The wars in Afghanistan and Iraq raised questions about the use of military power, even when used as a 'force for good', and showed rather brutally some of the limits of western liberal interventionism.

I'd just got home from John Lewis when a call came from the BBC's foreign editor, Malcolm. 'Would you like to go to Baghdad?', he asked. In those early hours after the attacks, some thought Saddam Hussein might be behind the atrocities. 'Er ...', I said, imagining my boyfriend's reaction if I told him I was off the next day before we'd even unpacked. 'Well', said Malcolm, 'there's no rush. Think about it. Call me back in half an hour.'

That's how I found myself on a flight to Jordan the next morning with the aim of getting a visa for Iraq. But as I sat in Amman, it rapidly became apparent that those behind the attacks were not in Baghdad but were Al-Qaeda, most likely in Afghanistan. So instead, I travelled to the Bekaa valley in Lebanon to talk to the family of one of the hijackers who'd been named as Ziad Jarrah. I had to look him up on the internet, where there was a photo of a 26-year-old with neatly cut black hair and gentle dark-brown eyes. He looked like a son any mother could be proud of. After a bumpy car ride from Beirut, we arrived at Ziad's parents' house and found a home plunged into mourning. His mother, a schoolteacher, was still too upset to speak.

Ziad's uncle and father had invited us because they wanted to speak about the boy they knew. Ziad had been much-loved, they explained, by all the family, and none could believe he'd been part of the attacks as the hijacker and pilot of United Airlines flight 93, the plane that crashed into a field in Pennsylvania after a remarkable uprising by those on board. Ziad must have been a passenger, his father insisted, not a hijacker. He showed us a video of his son, dancing and drinking at his cousin's wedding, to prove that his bright, funny boy could not have become a murderer on behalf of a warped vision of Islam. This was all some ghastly mistake, they believed: they were a secular Muslim family. Ziad had gone to a convent school in Beirut, where he spoke English, French and Arabic. He was a modern young man with a Turkish girlfriend he'd met studying in Germany. They were hoping Ziad would bring his girlfriend home and marry her and give them grandchildren, not leave them without even a body to mourn. 'He loved life, not death', his uncle told us as we left.

But it turned out that Ziad was one of the hijackers. Perhaps his move to Germany in 1996 was when things had changed, after he met Mohamed Atta and others who recruited him to their cause and lured him into Al-Qaeda's nihilistic beliefs. What had changed for him? Being a stranger in a strange land? A wish to belong to or die for something greater than himself? We said farewell to Ziad's uncle and father, and as we left, I could hear Ziad's mother crying softly in the kitchen.

It wasn't long before I found myself back at the new flat in London with an extremely cross boyfriend, staying just long enough to wash my clothes and pack again before joining the rest of the BBC team and this time heading to Afghanistan to report on the battle against the Taliban, who'd been harbouring Osama bin Laden. After several nights in Tajikistan, we managed to persuade the Northern Alliance to let us into the area of northern Afghanistan where they were fighting the Taliban.

When we got to the runway, a rickety Soviet-built helicopter was waiting, held together by thick sticky tape at the back, with the pilot on a mat in the shade beneath saying his midday prayers. On the side of the helicopter was taped an image of Ahmad Shah Massoud, the Northern Alliance leader who had been assassinated just two days before the Twin Towers attack. Some of us quietly said our own prayers as we took off and whirred above the russet browns of the land, the helicopter weaving over a dried-out desert that went back several centuries with every passing mile. Dushanbe and its city grid gave way to random rural patterns of mud huts and grumpy goats, and then an emerald band of fertile fields like jewels along a river.

As we landed, the rotor blades expelled a sharp mouthful of dust as we hauled our hundreds of kilos of camera kit onto donkeys to make our way by dirt road to the Northern Alliance foreign ministry where we'd be staying. It sounded great until we got there and saw a collection of one-storey mud huts and a single long-drop latrine. Within the week, that compound became home to more than 200 Western journalists. The young Afghan in charge of the latrine was also in charge of the cooking, with predictable results. Yet miraculously, as we slept in our tiny tents in the dusty courtyard, our two engineers put up a satellite dish and kept it running through all but the worst sandstorms in Khoja Bahauddin as the coalition air strikes began further south.

We spent weeks following up some remarkable stories: the horror (for many women especially) of life under the Taliban and then the intense joy of liberation as first the town of Taloqan and then Kunduz fell. I returned to my tent one day to find that two Afghan Red Crescent workers had found and finished my secret stash of vodka. They looked much the worse for wear and lay there grinning: 'We're terribly sorry, but we've been so very thirsty for so long under the Taliban'.

By Christmas 2001, Kabul had been liberated, and we felt optimistic that the Afghans' long decades of war, suffering and starvation were over. We filmed as Hamid Karzai was sworn in as president at the Loya Jirga meeting of tribal elders and NATO troops flew in, first joining in the hunt for bin Laden. Then, as more money and more soldiers poured in, the West's ambitions soared.

One of the few visible success stories from the early days was the creation of a boisterous, inquisitive Afghan media, made up of young men and women who believed that better access to information would empower their compatriots and help to build a fairer system of governance for all. Education flourished too, as did healthcare. But so too did corruption, fuelled by the billions of dollars lavished on a government whose writ often ran little further than Kabul itself.

Creating a nation-wide democratic system in the image of the West was proving harder than planned.

By 2007, when British forces were setting up new forward operating bases in Helmand province, the insurgency seemed to be growing as fast as the UK and its allies could deploy more troops. That Christmas, my cameraman and I travelled to cover the story of 40 Commando of the Royal Marines. This meant a cold Chinook flight from Camp Bastion just as the sun began to set over the spectacular lapis lazuli blue of the lakes at the Kajaki dam. The helicopter took off rapidly to avoid enemy fire, dumping us and our luggage as fast as it could into a swirl of sand. 'Welcome to forward operating base Gibraltar' read a sign just inside the mud compound. We'd been told it would be spartan, and it was. The young British marines were busy putting up a tent for us in the freezing cold. They were all sleeping on the hard desert floor. Darkness fell as we were handed our evening's ration pack, to eat outdoors in the middle of the mud-built compound requisitioned by Delta Company.

Suddenly, I remembered it was Christmas Eve, as the sound of carol-singing drifted from the other side of the camp. I went to look. The Marine padre, the Reverend Stuart Hallam, was celebrating a Christmas Eve service outside. I looked at the Marines' faces, lit only by a few torches, as they thought that night of friends and family back at home. They looked so young, some hardly 20 years old yet almost all already veterans not just of this war, but of the last one in Iraq as well. The padre's words were the prayer of St Ignatius Loyola: 'teach us, good Lord, to serve thee as thou deservest, to give and not to count the cost, to fight and not to heed the wounds, to toil and not to seek for rest'. These words took on a deeper resonance as I looked at the men and a handful of women, thousands of miles from home, sent by their country to try to bring peace to a region that barely had fresh water, electricity or people able to read and write.

Few of the troops questioned their mission at that stage of the conflict. But as the war became bloodier and more soldiers and civilians died, our hardest job as journalists was to disentangle propaganda from reality, and fact from fiction: to try to find out whether British forces really did have the kit they needed, and what it was that the Afghans themselves wanted as they found themselves trapped in the middle of the daily slaughter.

We ventured one day into the town of Lashkar Gah to film with a remarkable Afghan woman, her willingness to talk to us a relative rarity in that deeply traditional area. She was one of several policewomen who had graduated from the new Helmand police academy. Islambibi was by then a substantial woman

in her 40s, with a ready laugh. She told me she'd been married at the age of ten to a man three decades older, and had the first of her five children when she was 15. I must have looked aghast, because the women around her simply laughed. 'We have our tradition, and our culture', she told me, 'and you have yours'. Islambibi had become a legend among her colleagues for single-handedly squashing a would-be suicide bomber, throwing herself on top of him when he resisted arrest. A foolhardy thing to do, but it worked, saving many lives at enormous risk to her own. She hoped that one day the fighting would stop so that she could enjoy watching her grandchildren grow up. A few years later, I heard that Islambibi had been blown up and killed by the Taliban. Another of her compatriots, Sediqa, whom we filmed as she trained to join the Afghan army, was on one of the final evacuation flights out of Kabul last autumn, fleeing direct threats from Afghanistan's new masters.

The rule of law and good governance, it turned out, needed not just fertile soil in which to help it grow, but also time and patience from the West over many decades. And that had its limits, as became clear when the Taliban returned to power and immediately clamped down on women's right to work and journalists' right to report what was really happening. I always came home from reporting on conflict abroad with a heightened sense of gratitude for what we have, yet too often take for granted: our democracy, freedom and our tolerant pluralist societies. They give us the chance to express and discuss our beliefs and opinions without fear of reprisal, and to settle our disputes not with bullets but at the ballot box or in a court of law.

Yet whenever I thought that the conflicts or the repression I'd witnessed in cultures very different from our own could never happen here, I was reminded that it could, and it had within living memory. In January 2015, I travelled to Auschwitz to listen to the dwindling band of survivors who had returned to bear witness, to mark the 70 years since their liberation from a living hell. Some I had last seen at the commemorations 20 years before, when Elie Wiesel gave a searing speech as he stood by the railway tracks, lit by hundreds of candles. He began by saying that he spoke as a man who, 50 years and nine days before, had had no name, no hope, no future and was known only by his number, A7713. He spoke, he said, as a Jew who had seen what humanity had done to itself by trying to exterminate an entire people and inflict suffering, humiliation and death on so many others. He asked those watching 'in this place of darkness and malediction' to remember its stateless, faceless and nameless victims. 'Close your eyes and look', he said. 'Here it is always night. Here, heaven and earth are on fire. Close your eyes and listen.'

The horrors of Auschwitz have not diminished with time. And in searching through the archives there, I learned that I owe my very existence to the fact that the Nazis imprisoned my (natural) grandfather Josef in Auschwitz as a Polish political prisoner. He was Catholic and had been a shoemaker and a locksmith, and he became one of the Poles who had tried to resist the Nazis after they invaded his country. If my grandfather had not been arrested and taken far from his home and his family to Auschwitz and afterwards to Buchenwald, another concentration camp, he would never have met my (natural) grandmother Anna at the end of the war in a refugee camp in Germany. She'd been liberated by British troops in Hamburg, and he from Mittelbau Dora by American troops in April 1945. In that refugee camp, living in a tent, my grandmother Anna gave birth to my mother and my aunt before the family was able to emigrate to Australia, one of the countries taking in refugee families with young children.

For the next three decades, Josef never spoke about Auschwitz, just as my grandmother Anna never talked of her own experiences as a 17-year-old taken by the Nazis from her home in Poland to work as slave labour on a German farm. I asked her about it once before she died, and my grandmother described living through several winters without shoes or warm clothing, sleeping on hay in a barn, close to starvation, not knowing whether the rest of her family were alive or dead. She broke down in tears, and I never asked again.

After that, each time I reported on conflict or filmed at a refugee camp, whether in Kosovo or Iraq or Chechnya or Afghanistan, I saw in those faces and those families the likeness of my own grandparents: all human beings in need of shelter and sanctuary, sharing that same wish to survive and build a life in peace.

Yet what I still struggled to understand after hearing my own grandparents' story was how in living memory a European nation that brought forth some of the world's greatest thinkers, poets and writers also voted in the Nazi regime, that democracies too could and can be subverted. So I returned to Berlin to film with two women then in their 90s about what it was like growing up in Hitler's Germany. One of them, Ruth, had been born into a Jewish family in Berlin in the 1920s. Until the Nazis came to power, she hadn't really realised she was Jewish or different from her friends at school. Hers was a largely secular family, her mother a Christian convert, her father a German Jew whose family had lived in Berlin for generations. In 1942, when she was at primary school, Ruth's father was taken away to Auschwitz. She never saw him again. Ruth and her mother spent the rest of the Second World War in hiding, living in an unheated shed in an allotment

throughout the freezing German winters. What struck me most about Ruth was not just her love of life or her warm smile, but her desire to forgive: to forgive her fellow Germans for what they'd done in the Holocaust and to spend her life bearing witness. She wrote her memoirs and went into schools and universities to make sure that nobody could ever think that how you conduct politics, vote or act as an individual, does not matter. Ruth knew it did.

When Ruth and her mother were rounded up by the police one day, a young Gestapo officer saved their lives. Instead of deporting them to a death camp, as he was supposed to, he looked at Ruth and her mother, then back down at their identity papers, and told them that they'd been summoned to the police station in error and that they should go home, quickly. They did, and they survived, and Ruth never forgot that they owed their lives to that one single gesture of humanity, from a young man who perhaps risked his own life to help save theirs.

I met another Berliner in her 90s, Eva Sternheim-Peters, on that same trip. She, too, was a teenager during the Nazis' rise to power and had written a memoir about what it was like growing up in a family that wholeheartedly supported Hitler. Eva's brother joined the SS with enthusiasm, and she joined the *Bund Deutscher Mädel*, the female counterpart of the Hitler Youth, glorying in the power she acquired as a young leader, taking the younger girls on camping trips through the mountains, singing together in a choir and attending Nazi rallies. She remembered hearing Hitler speak, though she came away unimpressed: 'shouty and boring', according to her teenage diary.

Eva wrote her book to remind us that many of those who supported Hitler were no different from you or me. She remembered a childhood blighted by the financial crash of the late 1920s, with those wounded in the First World War begging at the door for food. Germans, she recalled, had allowed themselves to be led down a path that slowly but surely went from blaming others for Germany's woes to singling out specific groups to kill, all aided by a mostly willing press. I asked Eva how she'd felt as she watched a crowd trying to burn down the local synagogue on *Kristallnacht*, 'the night of broken glass' in 1938. 'It just felt normal', she said. 'Anti-semitism was everywhere, part of everyday language; we didn't have to be taught it. And Hitler promised us a better life, once we got rid of the people who were undermining us.' Eva's book was called *Habe ich denn allein gejubelt?* ['Was I the only one who cheered?'] She spent the rest of her life after the war taking into her home refugees fleeing conflict in Africa, the Middle East and elsewhere. She, too, wanted to bear witness and to pass that message to a new generation: just how easy it is to slip into demonising or blaming 'the other' for

our woes, and how vital it remains to protect our pluralism and an honest public discourse, which includes the media willing to stand up to or question those in power, even if that sometimes comes at a cost.

My main memory of Helmand now is not the fighting, but an afternoon spent drinking tea with an Afghan farmer's wife. Entering her mud-brick home, my camerawoman Julie and I had expected to feel sorry for her. How wrong we were! Farhana welcomed us, and introduced us to her ten children, who ranged in age from 20 to the tiny newborn she was cradling, as we spoke. Then she made us tea and bread, and she questioned us closely. 'Does your father know you're here?', Farhana asked. 'Yes', we said. 'And your brothers?' 'Yes, them too.' 'They let you come here alone? In those heavy flak jackets, with all those men with guns?' She meant the British soldiers. Yes, indeed our fathers and brothers did let us travel with these male strangers with guns. And did we have a husband or children? No, neither of us did.

We finished our tea just as the sun was setting, and it was clear by then that she felt rather sorry for us. Farhana's life was limited to her compound and her children. Yet it was a rich and fulfilling one, and she thought our lives rather odd. She stood to wave us off, looking at us a little pityingly as we took our heavy camera kit and walked back to our encampment.

The next day, driving past her farm, came the shock of an explosion just behind us on the road. The Afghan minibus that had raced off the tarmacked road to overtake our slow military convoy had struck a Taliban roadside bomb. The soldiers we were filming with stopped to help, but it was too late. For the rest of the day they cleared the remains of the civilians who'd been killed. For many years I have felt both relieved and guilty that we in our heavily armoured vehicle survived, while the families and young children on their way to a wedding had not. I've been lucky to emerge relatively unscathed from decades of foreign reporting; many of my colleagues did not.

Why tell you these stories tonight? It's because these individual voices go to the heart of what good reporting is for. It exists, and deserves to exist, in order to tell accurately the stories that may help us make sense of the world and to signpost how we might do better, as individuals or as nations, to help humanity thrive, whether that's in using diplomacy or military power to intervene abroad, or dealing with climate change, injustice, poverty or inequality at home. And, when done truthfully and with good intent, journalism, like the best literature, is there to help us develop empathy, to give us a deeper insight into the lives and motivations of others.

Even if I sometimes worry about the future of journalism as we know it, I console myself that every generation of journalists fears that each new technological development might make redundant what has gone before. When the wireless, radio, was invented and the BBC took to the airwaves for the first time in 1922, the newspapers panicked. It was the death of news in printed form, they thought. Newspaper proprietors lobbied the government and the early BBC was forbidden to broadcast news at any time before 8pm. Later, in the 1950s, some at Broadcasting House tried to put a stop to television because they feared it would destroy radio and lead to a terrible dumbing down of news. Television didn't destroy radio. Radio adapted. Today, we have BBC Sounds and audio across the internet in the form of podcasts. Download the app 'Radio Garden' and you'll hear radio in rude health across much of the globe. Even the conventional news bulletins on TV have adapted to the reality of 24-hour news and will adapt again.

Many challenges lie ahead. The UK continues to ensure that broadcast news is governed by a legal requirement for due impartiality, meaning that different points of view must be balanced across our broadcasts. The US took a different route, resulting in more partisan news channels that have separated the viewing public and exacerbated political divides. Here in the UK, most media outlets still have foreign correspondents and local journalists abroad, willing to take enormous risks to tell the story, like my Afghan BBC colleagues, most of whom have now been forced to flee Kabul to survive. But sending reporters to far-flung places is costly and difficult. It is much cheaper to fill a studio with guests on Zoom, discussing the day's news rather than breaking it. I worry that in the not-too-distant future, editors may decide that the role of foreign correspondent has had its day and rely on social media instead. Comment is free, as one witty playwright had it, but facts are on expenses.

The other real challenge is that now, whether reporting wars abroad or pandemics and political crises at home, we have enormous data streams and access to vast troves of information. In some ways, that's a journalist's dream. But it's also an editor's nightmare: trying to sort out from this real-time data how much is true or false, how much is useful and how best to interpret it, all on tight deadlines and usually declining budgets. Add in a major event such as Brexit, followed by a global pandemic, and it's become clear that the social media model of engagement of the past decades has often prioritised heat over illumination: what we feel about things, or what 'our tribe' feels about them, rather than facts or rational debate.

Social media can be democratising and liberating, but they also pose dangers. That vital asset, pluralism, is retreating in many of our societies, including the United States, a country to which much of the world, and Europe in particular, owes its freedom. That's why we still need good, well-researched local, national and global news, reported by journalists who can dig deeper into why things are happening and why they matter, and perhaps challenge some of our instinctive assumptions.

We worry that we live in a post-truth era. Funding good journalism is one of the ways we can help to rebuild the trust we've lost in many of our democratic institutions: an urgent task if we're to preserve the freedoms we should cherish. I would argue that good journalism is a uniquely valuable asset in that mission, because at its best it can both show us our world as it is and also challenge our views, just as Farhana in Helmand did mine.

As many countries struggle under increasingly authoritarian regimes, it is no coincidence that 293 journalists were imprisoned last year and that at least 24 were killed. China imprisoned 50, Belarus some 19. The best journalism is a danger to demagogues and dictators, and good journalists win powerful enemies as well as, occasionally, the Nobel Peace Prize, as Maria Ressa and Dmitry Muratov did last year for 'their efforts to safeguard freedom of expression, which is a precondition for democracy and lasting peace'.

Newspapers, television and radio news, and properly funded news on the web, remain vital to the health of our democracies, though we must take care that paywalls and subscriptions don't mean that good journalism becomes the preserve solely of a wealthy, information-rich elite. Together, we need to preserve the strength of our democratic institutions, and proper reporting remains a vital part of the bedrock on which our civic culture is built. In a time of information overload, we need trained, talented and dedicated people to find out, mediate and interpret what's happening in our world; in other words, journalists, including those with rat-like cunning and a plausible manner.

Caroline Wyatt, *Journalist and Broadcaster*

Green Emmanuel

GREENING COLLEGE BUILDINGS

The college site is beautiful and we all have an emotional attachment to the courts and buildings. Front Court, Old Court and Park Terrace are the obvious examples where historical and architectural significance combine with beauty and our collective sense of place. I've come to see North Court as distinguished; I even have a soft spot for South Court! Each is of its period and now has many generations of college life ground into its fabric.

There is a danger that in these times, when the catastrophe of global warming must dominate our thinking, that our relationship to these buildings will change, that in place of their beauty we start to see a leaky, poorly insulated, energy-inefficient inheritance that is a burden and constraint. But we mustn't curse the buildings left to us by Mildmay, Sancroft, Wren and their successors for falling so far short of modern Passivhaus standards. Despite the inherent challenges, we need to continue to respect and value what has been passed on to us. Greening the college estate doesn't negate our duty to protect and conserve what we have.

In important ways, conservation and the imperative to reduce our carbon footprint are in harmony. As a rule, the college doesn't demolish buildings and waste the energy embodied in their construction: our instincts are always to repair, maintain and improve. When considering embodied carbon there is much to say for frugality, not wasting or throwing away: maintaining an estate that dates back four centuries, with some materials recycled from the earlier Dominican priory, is a pretty good measure of frugality.

However old and however beautiful, all our buildings now need to perform much better in terms of the energy required to operate them. There is a tendency to think of new technologies and new ways of heating spaces. But in practice a more significant step is simply to reduce each building's heating load. This is our current,

Sara Rawlinson Photography



and in some cases rather challenging, project. We need to establish a model that can be rolled out every time a house or staircase is refurbished, and we have started by taking a house in Park Terrace as a test case. These houses have high ceilings and a large total volume, leaky sash windows and cavity-free walls.

We need to end our reliance on gas for heating, but with houses such as these the current heating load makes swapping a gas boiler for any form of heat pump, however clever that technology, simply impractical. So we are developing a scheme for internal insulation throughout a house, while retaining the original features such as cornices and window surrounds. We're refurbishing the windows and installing new wooden secondary glazing manufactured in-house. We will need the approval of the city conservation officer, and we are working carefully to achieve that. At the same time, we must avoid creating new problems in old buildings, for example by introducing damp and condensation.

Once we have done all we can to improve the building fabric we will know the heating load that we'll need to meet. In Park Terrace closed-loop ground-source heat pumps will be an option. But appearance and, most critically, noise will be considerations. While the listed building regime is starting to show signs of recognising the critical importance of improving building performance, I suspect we are still some way off being allowed solar photovoltaics (PV) or thermal panels on buildings such as those in Park Terrace. These are all challenges, but we have to find solutions.

We will develop a programme of refurbishments to bring our stock of accommodation up to a good, gas-free, standard. Cost and logistics are important factors. The cost to modernise all our accommodation immediately would be eye-watering. Equally, we can't empty large blocks of rooms for lengthy refurbishments that would give our students nowhere to live. But integrating our energy efficiency works into our planned refurbishment programme provides an opportunity for us to be cost-effective as well as more energy-efficient.

In planning these works our current new building project provides us with an exemplar. When the project was conceived, we set sustainability and energy performance as key objectives for the architects and engineers. The orientation of the buildings, the choice of structural elements, the thickness of walls and the window design are all intended to minimise the heating and cooling required. We have modelled how these buildings will perform as temperatures rise in the second half of the century, and these models suggest that the passive cooling inherent in the design will be sufficient. An extensive array of solar PV panels and a large open-loop ground-source heat pump (with sufficient capacity

also to service the original South Court buildings) are essential to the scheme. Efficient glazing, heat recovery, brown roofs and rainwater harvesting are also critical sustainability measures. Our service engineers are reporting against a bespoke version of the BREEAM standard (Building Research Establishment Environmental Assessment Method) and we are confident of exceeding the score for BREEAM 'outstanding'.

I hesitate to say so before the project is complete and we see these new green systems work in practice but, in terms of energy efficiency and sustainability, new building projects are very much the easy bit. Park Terrace and all the buildings passed on by our predecessors are a great deal more challenging.

Mike Gross, Bursar

This article was originally published in the Emmanuel Review 2022.

Green Research from Emmanuel Fellows

ALEX ARCHIBALD, ATMOSPHERIC CHEMIST

There's something in the air

Air pollution and climate change are two strands of the work we undertake in my team to better understand the composition of the atmosphere. We use computer models, observations and theory to determine what the tiny particles and numerous gases that we breathe in every day are, where they come from and how they have changed. In doing so we are trying to understand how atmospheric composition is important for life. This work is highly multidisciplinary, but my personal journey in sustainability started through my passion for chemistry.

Arguably, chemistry as a subject traces its history back to Robert Boyle's *The Sceptical Chymist*, published 77 years after the founding of Emmanuel College. Until the seventeenth century and the refinement of the scientific method, 'chemists' focused largely on alchemical studies to solve practical problems (such as how to create an elixir of immortality, which I'm sure we all agree would have made for an excellent impact case-study for the REF [Research Excellence Framework!]). Not only is Boyle credited by many as the founder of modern chemistry, but also his work on the chemistry of gases spawned the development of theories and ideas about the nature of matter that are still being refined to this day.

The chemistry of gaseous molecules has been an area of considerable scientific success for Emmanuel Fellows. George Porter and Ronald Norrish were awarded the Nobel Prize in chemistry in 1967 for their earlier work on the development of the flash photolysis scheme, which enabled them (and many others since) to study fast reactions between gases. Both made significant contributions to the establishment of a subdiscipline of chemistry that has occupied researchers since the late 1940s. One of the earlier pioneers was another Emmanuel Fellow, Brian Thrush. Brian's work expanded on that of Porter and Norrish in different directions,

and through his exemplary mentorship a generation of 'physical' chemists with a propensity to torture gases was born. Some of Brian's students have settled firmly in careers that focus on furthering our understanding of gas phase reactions through laboratory experiments, and others on the application of satellites to investigate the reactions that are taking place in our air and also the composition of air and how it changes. Such work, pioneered by one of Brian's former PhD students, Professor John Burrows, allowed us to see from space the immediate consequences of the lockdowns put in place to tackle the Covid-19 pandemic. Striking satellite images captured record-breaking decreases in the levels of nitrogen dioxide, a gaseous pollutant harmful to human health with major sources from vehicles.

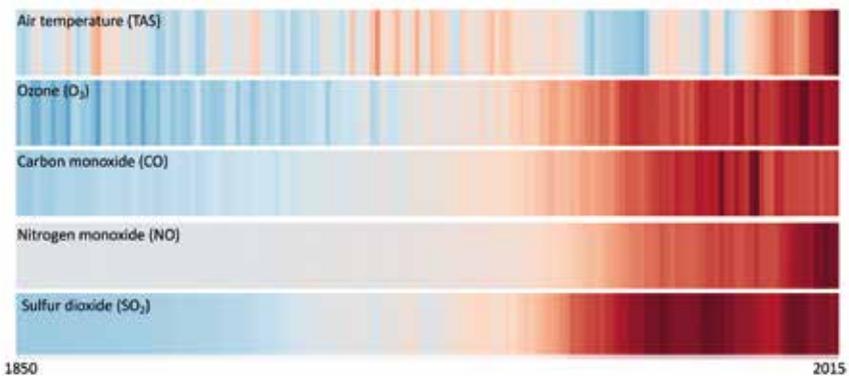
But not all air pollutants were equally affected during the lockdowns, and even in Cambridge a complex story can be teased from the data. While nitrogen dioxide decreased over large areas with high population density, much smaller changes were recorded in particulate matter, a ubiquitous form of air pollution composed of tiny particles that punch far above their weight and are responsible for the majority of the five to six million premature deaths every year that we attribute to the presence of air pollution worldwide.

The distinction between gaseous air pollutants and particulates is muddled by the fact that the large majority of the particles found in air originate from reactions among gases. One of the most important reactions takes place between sulphur dioxide and the hydroxyl radical. Thanks to regulations and shifts in politics, the levels of sulphur dioxide in air in the UK are now exceptionally low. Sulphur dioxide can still be smelled, especially near the River Cam during cold winter months and at heritage railways, as coal burning is a major source of the compound. Nature also produces significant amounts of sulphur dioxide. Volcanic eruptions spew out thousands to millions of tonnes of it, injecting it high into the atmosphere or, when explosive enough, into the stratosphere.

But there are also much less violent natural sources of sulphur dioxide, such as marine phytoplankton. These beautiful organisms produce a molecule called dimethyl sulphide, which can be wafted into the air and undergo a complex series of reactions to form sulphur dioxide. The late great James Lovelock worked with colleagues to propose a form of homeostatic regulation for earth, known as the Gaia hypothesis: phytoplankton, dimethyl sulphide and clouds comprised a key example of the self-regulating feedback loops that Lovelock believed were present before human-made emissions changed the balance of things.

My team's research builds on the extensive work performed by many others, especially those pioneers from Emmanuel College mentioned above, to

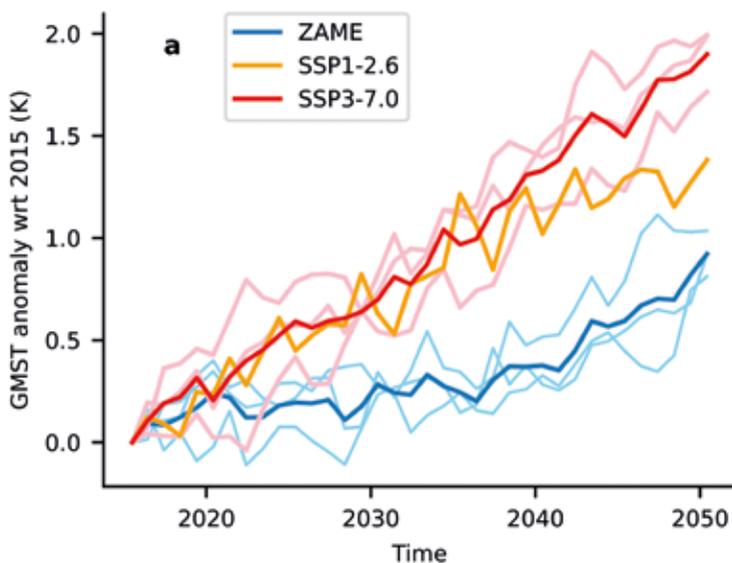
understand further the role of gaseous chemicals on climate and life. A number of people in my team are tasked with delivering ‘national capability’ in modelling atmospheric composition, and we lead the development of the UK Chemistry and Aerosol (UKCA) model. UKCA has allowed us to partner with the UK Met Office and other academic groups across the world to understand how atmospheric composition has changed in the past and, by using estimates of future socio-economic storylines, how it may evolve in the future. As an example of historical data, the figure below highlights how surface temperature and a number of air pollutants have changed across the North Atlantic region from 1850 to 2014 as computed with UKCA. The data highlight the stark increases in temperature over the last few decades and the steady rise in ozone, which is good up high but bad nearby! However, carbon monoxide, nitrogen monoxide and sulphur dioxide have all passed their peaks and are starting to decline. The levels of sulphur dioxide are now back to levels seen at the start of the twentieth century: this is a real win. Although there is a huge amount to be done, especially on carbon dioxide and methane, the success of policy in controlling some air pollutants is important to recognise.



A comparison of air temperature and a number of surface air pollutants simulated by the UKCA model

A key capability of models such as UKCA is that we can holistically simulate changes in atmospheric composition and climate. Zosia Staniaszek, a PhD student in my group, together with others in the team and at the UK Met Office, recently used this capability to investigate the impacts of a future without anthropogenic methane emissions. The work highlights that a cessation in anthropogenic emissions will lead to immediate improvements in climate: see

the figure below. Methane is not only a potent greenhouse gas but also a key precursor to ozone, mentioned earlier as an air pollutant. In the study we were able to attribute the effects of future methane emissions to air pollution-related deaths and estimated that 690,000 premature mortalities per year, in 2050, could be avoided by stopping anthropogenic methane emissions. Discussions with others in Cambridge, especially with Sir David King, give me hope that there is a real possibility for reducing methane in the atmosphere and mitigating its impacts on climate and air pollution.



Surface temperature simulated with UKCA under two IPCC future socio-economic storylines (SSP1-2.6 and SSP3-7.0) and our Zero Anthropogenic Methane Emissions (ZAME) storyline. Each line shows the results from an individual model run with bold lines representing means. Taken from Staniaszek et al. 2022

Finally, the research we are doing in the team now extends far beyond the impacts of air pollution and climate. With the launch of the Leverhulme Centre for Life in the Universe, we are now poised to probe the question of what types of chemicals and reactions *need* to take place in the atmosphere to provide a habitable environment for life to flourish. This exciting new frontier is in many respects a return to understanding some 'interesting' chemistry and one I am hopeful will also provide links to and synergies with sustainability on earth.

JULIAN HIBBERD, PLANT SCIENTIST

Fascination aligns with wider purpose

My research primarily focuses on understanding photosynthesis. I was not initially drawn to this area to contribute to sustainability, but rather because I found it fascinating. However, I now find that my scientific fascination has ended up aligning with a wider sense of purpose.

Work in my laboratory primarily addresses photosynthesis in crops, with the objective of increasing photosynthetic efficiency by tapping into a 'supercharged' photosynthetic pathway found in many types of plant but not seen in some vital staple crops such as rice. Alongside this, our work on crop plants has allowed me to expand research projects into other 'under-improved' domesticated species in different parts of the world. All these areas of research seek to achieve greater production efficiency without proportionate increases in water and nutrient requirements, both of which can have high carbon footprints. Our research is supported by a range of national and international research councils, as well as by philanthropic organisations interested in the positive global impacts our work could have.

We will never know for certain, but it is thought that photosynthetic bacteria had evolved by around 3.6 billion years ago. Extant lineages of such bacteria still abound. They are found in clades including purple bacteria and green non-sulphur bacteria, but also perhaps the more distinguished-sounding heliobacteria, which orientate towards the sun (from the Greek *ἥλιος* – *hēlios*), the halobacteria, which thrive in saline conditions (*halo* also being from the Greek), and the cyanobacteria (derived from the Greek for blue). The latter group use a form of photosynthesis almost indistinguishable from that used by more than 350,000 species of land plants.

These early organisms were pioneers in developing a process conceptually so simple but in practice so complex that we still do not fully understand how it works. Natural selection honed the abilities of these organisms to take the abundant and constant supply of light energy from our sun and to convert it to a form of energy that their cells, and now our cells, can use. That process is of course responsible for supplying our food, fibre and fuel. It generated the fossil fuels that powered so many societal developments over the last centuries, and in so doing improved the lives of billions but also drove the release of CO₂, leading to the climate change that now threatens the sustainability of our planet.

Although these photosynthetic bacteria transformed our planet and evolved processes used by all current photosynthetic life, they evolved in water and at a time when the conditions on earth were very different. As a consequence, many aspects of photosynthesis in plants are not optimised. My work focuses on understanding a particular form of photosynthesis that is found in some 8100 land plants and that evolved from around 30 million years ago. In warmer climates, this flavour of photosynthesis is 50 per cent more efficient, with higher water- and nitrogen-use efficiencies. Although this photosynthetic pathway, known as C_4 because the first product is a four-carbon molecule, is highly complex for a plant to develop, it has evolved repeatedly in a similar way to the dispersed distribution of other highly complex evolutionary developments such as echolocation, mimicry and the camera-like eye. C_4 plants are now found in at least 60 distinct lineages of land plants.

Our work has indicated that the fundamental traits that need to be combined to allow C_4 photosynthesis are assembled consecutively, but not necessarily in a strict order. Thus, the phenotype is accessible from multiple routes. In essence, evolution has not had to follow exactly the same path to improve photosynthesis: it has been able to evolve in slightly different ways on each occasion. We have also found that the proteins, genes and even small pieces of DNA used to control the gene expression required for C_4 photosynthesis, are found in the ancestral lineages. So, all the building blocks that we know about and that are required for higher rates of photosynthesis found in C_4 plants appear to have existed in the ancestral state, and evolution repeatedly made use of this toolbox. The problem is that we have not yet identified all of these building blocks, and so my research has for some time been aimed at this problem, such that an informed and targeted approach can be taken to improve photosynthesis in crops. Our current focus is on better understanding the regulation mechanisms of photosynthesis genes.

My laboratory contributes to a number of international consortia that aim to engineer C_4 photosynthesis into global crops such as rice to enhance efficiency. Through serendipity, this work has also led us to research so-called 'orphan' or 'under-improved' crops. These species tend to have been domesticated but have never gone global. A more diverse agricultural system that matches better the local environment and the needs of local people would help to provide a more resilient food supply system in the future. We hope that our discovery science contributes to the productivity of neglected crops, benefiting millions of people and to improved photosynthesis, potentially impacting substantially more.

JOHN MACLENNAN, VOLCANOLOGIST

Live long and prosper through volcanology; or a quasi-volcanologist's perspective on long life and prosperity

I am interested in magma. I want to understand how it is made, where it is stored and how it moves around inside the earth. This interest can be useful, with implications for existential risk, understanding past climate change and identifying opportunities to ease the green transition.

If we were to meet at a garden party, I would probably introduce myself as a volcanologist. This little fib is aimed at bolstering my credentials as a *bona fide* 'windswept and interesting' human, part of the academic avalanche of environmentally sensitive Fellows at Emmanuel today. In fact, my reality appears to be a little less interesting at first glance. My job title is professor of igneous petrology at the department of earth sciences. Accurate, but perhaps a little heavy for drinks.

The 'petrology' part means that I study rocks and the processes that create them. I collect samples from active volcanic regions, such as Iceland, and bring them back to Cambridge for analysis. For the last few years my group have focused on using the cargo of crystals that volcanic eruptions bring from the depths of their storage systems to the surface. These crystals form as magma partially solidifies in the earth. Their chemical compositions and physical structures are sensitive to conditions in the magma reservoirs. Striking chemical zonation in these crystals, which can sometimes be observed with the naked eye, tells us about changing pressures and temperatures in the magma storage regions prior to eruption.

We have developed a new technique to use such chemical zonation patterns as chronometers. These crystal clocks record the timing of crucial events in the run-up to eruptions. Nowadays earth scientists rely upon more than rock hammers and woolly jumpers to drive their discoveries. We use specially optimised electron microscopes to map out and quantify the diffusion of chemical elements across the boundaries of zones in the crystals. These maps of crystals in rocks can be very beautiful. We then use computational simulation of the diffusion process to estimate the timescale between unrest in the deep magmatic system and subsequent eruption. For example, our careful study of the rocky products of individual eruptions has revealed that magma can be stored for hundreds of years near the base of the crust, at about 20km depth under Iceland, before rising rapidly to the surface in a matter of hours. A millennium of stasis followed by a magmatic dash for freedom in the air as lava!

Simon Matthews

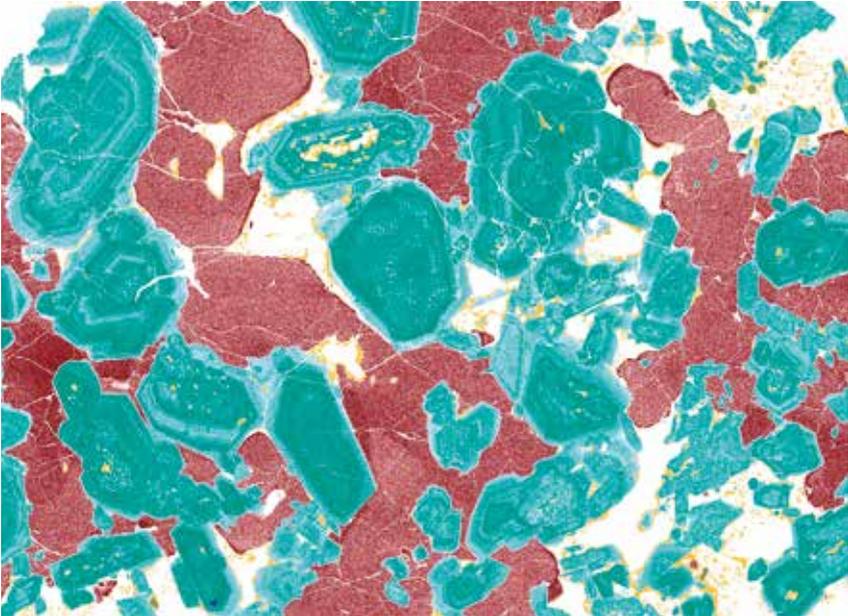


A lava fountain from the Fagradalsfjall volcano in Iceland

The availability of high-performance computing at Cambridge has allowed us to make important advances in understanding and reducing uncertainties in the retrieval of these magmatic timescales. We can start to link them to other indicators of unrest around volcanoes, such as earthquakes, ground deformation and changes in geothermal systems. There is an opportunity to improve substantially our interpretation of the causes of volcanic unrest and therefore our models of hazards associated with volcanoes. Our rock-based approach is particularly useful for large volcanoes that erupt infrequently: we know the least about the volcanoes that pose the greatest existential risk. Recent work by researchers from Oxford and Cambridge reminds us that volcanic eruptions of sufficient magnitude to cause significant global societal impact through abrupt and extreme climatic effects happen once every 1200 years or so. We need to be better prepared for such events.

While large volcanic eruptions will cause societal disruption in future, we can already watch the horrors of global heating unfolding before us every day. Earth scientists have an important practical role in limiting future rises in atmospheric CO₂, from computer modelling of climate to identification of raw materials for the green transition. Volcanic activity has played a pivotal role in dictating variations in

Sarah Shi



The complex composition of a slice of rock from the Prengslaborgir eruption

atmospheric CO₂ over billions of years of earth history. One strand of my research uses pockets of volcanic glass trapped in crystals to determine the CO₂ content of deep magmatic liquids and therefore to estimate the carbon content of the earth. We can assess the potential for release of volcanic CO₂ to contribute to rapid climatic shifts. While we know that volcanic CO₂ triggered important warming events in the geological past, it is also clear that the contribution of volcanism to atmospheric CO₂ is a small fraction of that from burning of fossil fuels in the present day.

Carbon capture and storage in rocks may play a role in drawing CO₂ out of the atmosphere. The Carbfix project in Iceland has converted atmospheric CO₂ into rock by pumping CO₂-laden water into reactive volcanic rocks. The success of such projects can only be assessed when the background contribution of volcanic CO₂ is known; our work on deep magmatic CO₂ fluxes helps to define the business-as-usual supply of CO₂ from Icelandic volcanoes.

My work has also determined how and where cooling magma releases heat in the Icelandic crust. This volcanic heat is the ultimate driver of geothermal power supply, which currently provides 85 per cent of domestic heating and 30 per cent of electricity in Iceland. The limits of sustainable extraction of geothermal resources in Iceland and elsewhere need to be defined by careful quantification of the natural long-term supply of magmatic heat. Our petrological approaches, based on examining crystals in rocks, provide a key component of that context.

Emmanuel Gardens, Past and Present

PLANTING FOR ANOTHER GENERATION

The early history of Emmanuel College gardens

This year there has been a nationwide tree-planting initiative to mark the platinum jubilee of Her Late Majesty Queen Elizabeth II. Only the youngest among us will live to see the scheme come to full fruition, but all tree-planting programmes are necessarily based on optimism and delayed gratification. It is pleasing to know that the early fathers of Emmanuel had a similar visionary attitude.

The first Master

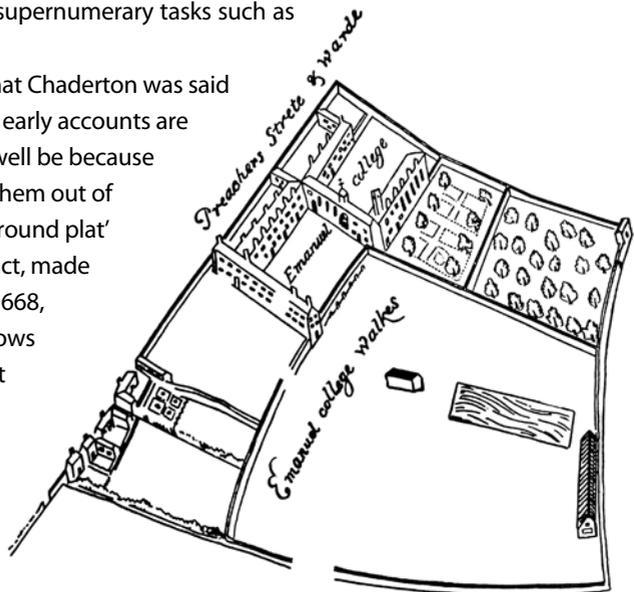
The famous story of how Emmanuel's founder, Sir Walter Mildmay, told Queen Elizabeth I that his new college was an acorn destined, God willing, to become a fruitful oak, is a long-established Emmanuel tradition. The man Mildmay chose to be the college's first Master, Laurence Chaderton, went a step further by carrying out actual, as well as metaphorical, tree-planting. The college had taken over the precinct of the former Blackfriars priory, whose buildings, and doubtless its grounds, had suffered a half-century of neglect since the Dissolution. Chaderton, a former Fellow of Christ's, came to Emmanuel in middle age, but on account of his great longevity (he died in November 1640 aged either 101 or 104) he played an active role in the development of the college grounds for more than half a century. A keen gardener, Chaderton was commemorated in a short memoir by William Dillingham, a later Master of Emma himself, who had known him in old age. According to Dillingham, '[Chaderton] loved also the study of botany, a taste which he had imbibed in his country visits; he was interested in his garden, the grafting and planting of his trees, which things Cicero calls the pastimes of old age. He had loved these things from boyhood, and had planted many trees both in Christ's and Emmanuel, saying, as he did so: "We plant for another generation": And yet most of these he lived to see not only well-grown, but even past their prime, and nodding to their fall before himself.'

The creation of the gardens

Evidence of the early planting schemes at Emma can be found both in the college's account books and also in various maps and plans. John Hamond's 1592 survey of Cambridge, for instance, shows that in the eight years since Emmanuel's foundation, a formal pleasure garden had been set out in the Master's Garden, and many trees had been planted in the Fellows' Garden. The early college accounts also contain tantalising glimpses of the development of the grounds. In 1587, ahead of the formal dedication feast at which the founder was to be present, '2000 of quickset' was purchased at a cost of 18s, and '1000' of privet (probably; the word is difficult to interpret). Two years later there was another purchase of quickset 'to set the court with'. Quickset, or hawthorn, is commonly used as hedging and, given the quantity purchased, Emmanuel must soon have had extensive stretches of hedges.

In these early years, the large expanse of meadow now known as 'the Paddock' was used for grazing, as attested by an entry in the accounts under 1588 for 'tymber to make barrs to keep cattel out of the courts'. Cutting the grass in these newly created courts was the responsibility of the Porters, but the bulk of gardening work was done on an ad hoc basis by self-employed labourers. By 1674, and probably earlier, the college was also employing its own full-time garden staff. The gardener usually brought along an apprentice or 'boy', sometimes his own son, to help with the work. The college occasionally paid these lads small sums for supernumerary tasks such as gathering snails.

As for the trees that Chaderton was said to have planted, the early accounts are silent, but this may well be because the Master paid for them out of his own pocket. A 'ground plat' of the college precinct, made between 1634 and 1668, shows that several rows of trees had been set since 1592.



Emmanuel in John Hamond's map of 1592

Frederick Brooks, Emmanuel's eminent botanist, supervised the explosion, and it was presumably he who estimated the tree's age.

Jacobean mulberries

Chaderton's interest in horticulture no doubt accounted for Emmanuel's being one of four Cambridge colleges known to have participated in the government-promoted scheme to establish a domestic silk industry in the early years of James I and VI's reign. Silkworms live on mulberry trees, and in 1609 Emmanuel purchased 300 'mulbyrie plants at the kings appointment'. The plants probably failed fairly soon, for a few years later the college tried again with more mature specimens, the accounts for April–October 1612 recording the setting of 'fourtie mulbyrie trees'. We cannot be sure where they were planted as none survives, but there may be a clue in the Parlour wager books. On 15 June 1832, James Bunch, an Emma Fellow who was very interested in arboriculture, bet the Master that 'the mulberry tree in the Master's Garden is not half as high again as the young mulberry tree in the Fellows' Garden'. Could the Master's mulberry have been a Jacobean survivor? Incidentally, the 'young' mulberry referred to by Bunch was almost certainly the one cut down, according to the Garden Committee minutes, in 1943.

The origin of Chapman's Garden

Chaderton resigned the Mastership in 1622 but, as his successor was frequently absent, he continued to play an active role in college affairs. In 1629, an entry in the accounts shows him being reimbursed for what he had spent on the Master's 'lodgings & orchard'. Throughout the seventeenth century the Master's and Fellows' Gardens are almost invariably referred to as 'orchards', and although they doubtless did contain some fruit trees, it is clear that the term is not being used in the modern sense. Chaderton no doubt took an interest in the planting of several trees in 1633–34, when a man called Pitt was paid 12s 'for an ash, 6 young sycamore trees, privite [?], quickset & blackthorn 1000'.

Before the 1630s the area now known as Chapman's Garden had been a meadow referred to variously as 'the little close' or 'the back close'. The construction of Old Court created an enclosed space that had the potential to become an attractive garden, and the 1633 entry quoted above almost certainly records the first steps in this process. Eighteen months later there is a payment for 'weeding quickset in back close', and the October 1635 accounts contain an entry for 'rayling in the quickset in the backclose'. A year later the college paid four shillings for '7 yong ashes set in the back close'. At the same time that Old Court

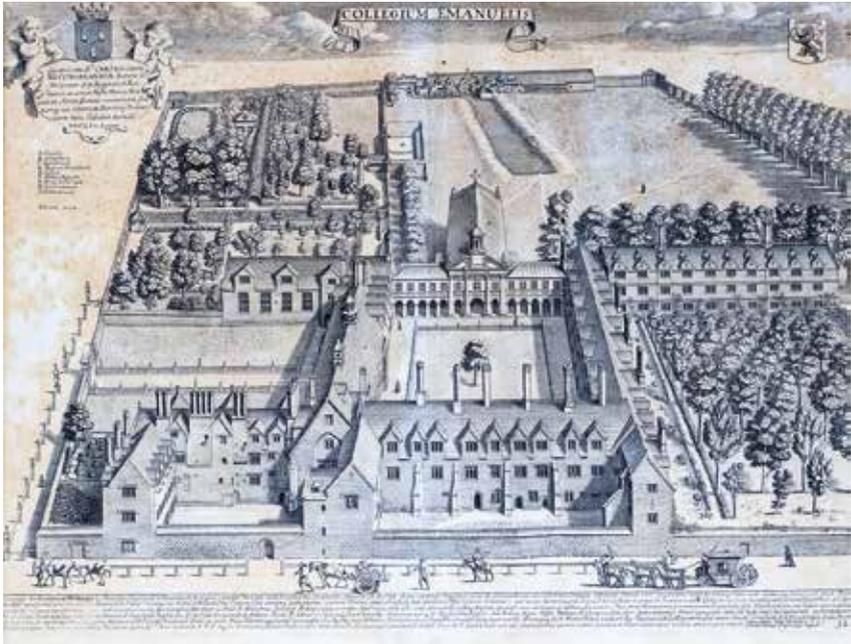
was being constructed, a branch channel ultimately deriving from Hobson's Conduit was laid across the back close, passing underneath the new building via a culvert, and thence through a pipe into the Paddock's pond. The 'new rip', as this stream was called, was originally a very narrow, straight channel, but was nevertheless an attractive feature. A 'sett of Ash plants' and 55 quickset were planted in the back close in 1647, and yet more ash trees were planted 'against the N[ew] build' in late 1664 or early 1665.

The later seventeenth century

There is almost no mention of the gardens in the surviving records of the 1640s and '50s. The college no doubt had other priorities during the Civil War and Commonwealth years, but changes in the keeping of the college accounts may also be a factor. At some point in the mid-seventeenth century, responsibility for many garden expenses, including the purchase of trees and shrubs, the acquisition and repair of garden tools, and the payment of the gardeners' wages, was given to the Steward. The Bursar continued to pay for anything structural, such as the erection of summerhouses and outhouses, and essential maintenance of the walls, gates and watercourses. The Steward's accounts unfortunately only survive from 1674 (and only in summary form before 1744), so we must deduce what was happening to the gardens during this period by consulting other sources. The most useful of these, by far, is David Loggan's detailed 'bird's-eye' view of Emmanuel, published in *Cantabrigia Illustrata* in 1688.

Loggan's engraving shows that the saplings planted in Chapman's Garden had grown into a veritable arboretum. The Fellows' Garden had also been densely planted with trees and shrubs, and a spectacular arched tunnel had been created, covered with climbers or trained trees. In fact, by this time the only open area in the garden was the bowling green, for an ornamental pond, fed from the pond in the Paddock, now occupied the north-east corner. The three rows of trees mentioned in the earlier 'ground plat' are still shown as flourishing, and the mature line running along the southern boundary wall had been extended eastwards. Loggan does not, however, depict the 'young trees' that had been planted in the Paddock in the second half of 1683 even though, at a cost of £4 5s, a considerable quantity of saplings must have been involved. The even larger sum of £12s 2d had been laid out on 'setting & hedging' them.

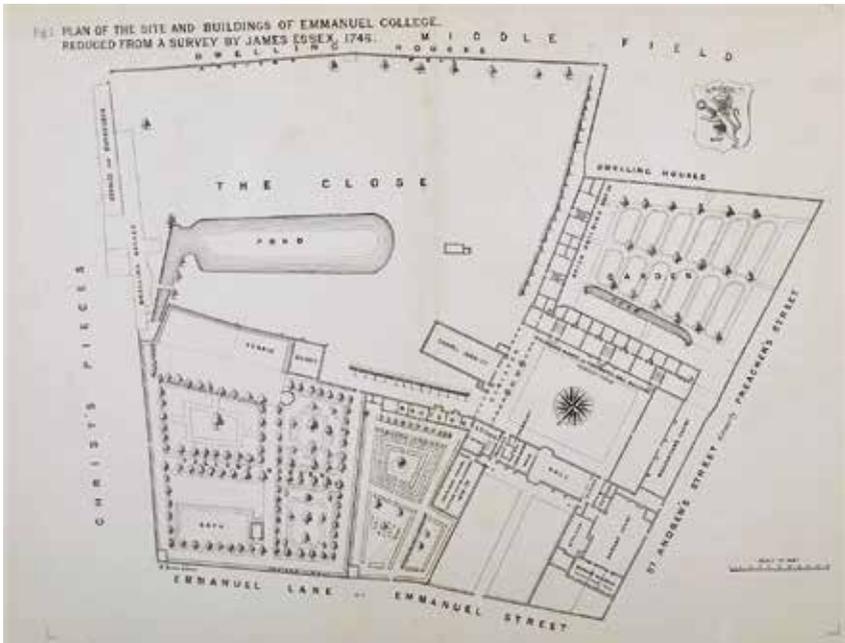
The Master's Garden, shown as having a formal layout on the Hamond plan of 1592, had by 1688 been set with a variety of randomly set trees and shrubs, although it retained some low ornamental hedging and gravelled walks. Within a



A section of David Loggan's engraving of the college, 1688

year of John Balderston's being elected head of house in 1680, both the Master's and the Fellows' Gardens were provided with summerhouses, at a total cost of £22. The Fellows' house, half-hidden by trees in Loggan's engraving, was a fancy two-storey affair, complete with chimneys and a dormer window. The Master's was more modest, although it boasted a marble table. Many years later, in his *History of Cambridge University* (1815), George Dyer, a graduate of Emma, described this little building as being 'of some antiquity, surrounded with prints of some of our principal old poets, a very agreeable nook, in which either a pipe or a poem, will go very pleasantly'. The college received a gift of £40 in 1682, which it splashed out on 'gravelling & adorning the Mr & Fellows Orchards'. That sort of money must have bought a great deal of adornment.

One of the most striking garden features shown by Loggan is the tree growing in the middle of Front Court. It is tempting to believe that it was an oak, as a nod to the founder's famous 'acorn' anecdote. There is no record of when it died or was cut down.



A plan of the college based on James Essex's survey, 1746

The early Georgian gardens

The gardens may have flourished at the beginning of Balderston's long Mastership, but by the end of it they had evidently been allowed to run wild. In April 1721 the college passed an order authorising that 'twelve pounds be laid out in gravelling the College garden, and eight pounds in gravelling the Masters, to put them into a more decent condition than they lye in at present'. In fact, the gardens underwent a transformation at about this time, as attested by James Essex's 1746 ground plan. This shows that the dense tree cover in both Chapman's Garden and the Fellows' Garden had been completely cleared, and replaced with formal walks surrounding miniature lawns and flower beds, laid out in geometric patterns. The Master's Garden had been given similar treatment and now included a mini-maze and what looks like a small rose garden. There may have been topiary somewhere about the gardens, as the college had bought '6 Box' in October 1732.

Some trees were still present, of course, in all three of the enclosed gardens, but they had been planted to complement the new layouts, being set either in orderly

rows or as symmetrical focal points. The tunnel in the Fellows' Garden appears to have been replaced with an avenue of trees, but a decade or so after Essex made his survey a new pergola had been set up, as there are references in the garden accounts for 1757 and 1761 to 'the timber frame in the filbert walk' and 'the timber frame in the middle Walk'. The 'Chaderton' row of trees along the southern boundary was still standing in 1746, although it had suffered some losses, but the lines of trees in front of Old Court and along the wall between the Paddock and the Master's Garden had been replaced with younger specimens, pleached to form neat screens. It is impossible to tell whether the tree in the middle of Front Court was still there in 1746, as Essex placed an ornate compass on that spot.

The *Foreigner's Companion*, a guidebook to the universities of Oxford and Cambridge published in 1748, says of Emmanuel: 'The Gardens are very extensive, and well planted with Fruit'. This was certainly true. The engraving by Loggan depicts what look like espaliered fruit trees trained against various walls, and their successors were still being cultivated half a century later, as shown by Philip Atkinson's 1735 bill for 'Cotting the Spaler'. After 1744 the Steward's accounts

Aug. 4 73
 The Masters Bill for two men
 Cotting the Spaler — 00 = 08 = 0
 for Caring the Mashshean — 00 = 01 = 0
 —————
 00 = 09 = 00
 Aug. 7. 1735
 Recd. of the Bill by me Philip Atkinson

A 1735 bill for pruning espaliered trees

record regular purchases of fruit trees. In 1748 five shillings were spent on 'Plumb, Apricot & Miserion trees' (meserion, an archaic term for a type of laurel), and in 1750 there was a purchase of unspecified fruit and currant trees. Four years later an apricot tree was planted and seven 'fruit Trees' were introduced to the garden in 1757, followed by more currant 'trees' in 1767, some 'Young fruit trees' in 1772 and yet more fruit trees in 1775. A vine and a nectarine joined them in 1780 (along with mint and sage plants). Indeed, by the 1780s the quantity of fruit being grown was sufficient to require pickers to be employed, as there are regular payments to them for 'Gathering fruit' and 'Gathering apples'.

Interestingly, the college defrayed some of the costs of the garden by selling surplus trees to local nurserymen. Two 'Pare-Trees' seem to have been the first such sales, yielding six shillings in 1751, but a single pear tree was sold for 15 shillings in 1775. A lime tree raised only 2s 4d in 1777 and poplars were even cheaper, the college selling three in 1792 for a mere five shillings. The garden also generated some income by selling 'old trees' and wood, although any money it received for 'top Wood' was the Steward's perquisite.

The later eighteenth century

During the Mastership of the celebrated Dr Richard Farmer, Emmanuel became the most socially fashionable college in Cambridge. In the 1760s and '70s most of the principal buildings were either replaced with classical-style ranges, or at least given new façades. The wealthy families tempted to send their sons to the smart new-look college expected pleasure grounds to match and they were not disappointed, for the gardens had also undergone another modish revamp. The aim had been to achieve a romantically 'natural' look, similar to that being enthusiastically embraced by the owners of large country houses all over England. To that end, the old-fashioned formal layouts in all three of the principal enclosed gardens were swept away in 1776–77, the substantial sum of £11 18s 8d having been paid 'To Labourers at various times for Modernizing the garden, and erecting a convenient mount'. The formal oblong grass plats and straight paths shown on James Essex's plan were replaced with larger sweeps of lawn bordered by winding walks. To achieve this effect quickly, the college purchased large quantities of turf and gravel. The results of the modernising can be seen in the maps, watercolours and photographs of the nineteenth century, which show, among other things, that the gardens were by then well provided with mature trees and shrubs planted many years before in naturalistic groves and clumps, rather than in rows or avenues.

The new range of building along St Andrew's Street was deliberately set back from the highway, allowing the creation of a pleasant green space in front of the college; it is probably these Front Slips, as they came to be known, that are referred to in the 1774 payment of five shillings to 'Weeders of the new quarters'. The picturesque 'mount' mentioned earlier was designed to provide a viewpoint into the neighbouring lane, looking towards Christ's College. Exactly what form it took is open to conjecture; all we know is that for several years it was kept in good order by an 'Old Man'. It had gone, however, by the time that George Dyer published his *History of the University*, for in his description of Emmanuel's gardens, he wrote that 'this pert peeping ornament has been very properly removed'.

Gilding the lily

The new layout of the gardens having been established, the process of beautification could begin. The Paddock's pond had served as a functional fishpond since the time of the Blackfriars, but its raised banks were levelled in the eighteenth century, allowing closer access to what was now a predominantly ornamental feature. A large consignment of tench was bought in 1765, a related entry in the accounts referring to the 'Carriage of Gold fish'. Eels were introduced to the pond in 1779, joined a few years later by more tench and perch. New birds were steadily introduced to the garden in the second half of the eighteenth century, including coots, 'Dob chicks' (little grebes), moorhens, lapwings, a seagull (then evidently a novelty, rather than a pest), a fire-eye and two 'very Curious' birds purchased in 1779. A particularly prized avian resident, evidently, was the 'Spoon-Bill' for which the college purchased seven shillings'-worth of food in 1788. All the residents were well looked after, as the college regularly bought oats and barley for both the ducks and the fish.

George Dyer described the Fellows' Garden at Emma as 'agreeably laid out, and diversified by many plants, a bathing-house, bowling-green, and piece of water'. Overall, he considered that his old college had 'one of the most agreeable gardens in the University'. Certainly, the grounds had benefited from the introduction of a wealth of attractive shrubs and flowering plants, including some unusual specimens. The first flowers to be identified by name are lilies, of which a peck was purchased in 1750. In 1757–58 'twenty province & 16 damask Roses' were planted, in 1760 there is a payment for 'Honey suckles', and in the following year for violets. Throughout the period for which the Steward's accounts survive, there are regular payments for unspecified flowers and shrubs, but occasionally more detailed entries allow us to see exactly what was

being planted. In 1781, for instance, the gardens acquired an arbutus, Phillyreas and laurestines, as well as a 'handsome as indeed it ought to be'. This plant has so far defied identification, although at five shillings for a single specimen, it must have been something special.

Emma's famous trees

The planting of cheap ash and sycamores, which seem to have been the trees of choice in the early period of the college's history, was superseded in the late eighteenth and early nineteenth centuries by the introduction of more interesting species. These included the mountain ash purchased in 1764, the 24 elms acquired in 1775, and the '20 Pyricanthas, 2 Cypress, 1 Arbutis, 1 Phyllera, 2 Swedish Junipers' bought in 1784. The college took the welfare of all its trees seriously, as attested by the 1785 ruling that imposed a fine of three bottles of wine on 'anyone who cuts down, destroys or defaces any tree, plant, or shrub in the garden without the consent of the steward or the major part of the society'.

Several of Emmanuel's trees became very celebrated. The 1748 *Foreigner's Companion* encouraged its readers to 'take notice of a fine young Cedar-tree in this [Fellows'] Garden'. An entry in the accounts for 1754 mentions 'dressing the Cedar Tree', and the Parlour wager book records that in 1789 a winning bet was made that 'the dist: of the Cedar from the wall is not double the breadth of the pond'. By the time George Dyer wrote his *History* the tree was passing its prime, for he tells us that 'the cedar-tree, once so beautiful in growth, now beginning to wear the majesty of years, is one of the most beautiful in England'. Dyer also records that he had been told by William Bennet (then Bishop of Cloyne, but formerly a Fellow of Emma) that the tree had been planted by John Martyn, the eminent botanist, who was admitted to Emmanuel in 1730, aged 31, and appointed University Professor of Botany in 1733, a post he held for 30 years.

The cedar was presumably defunct by November 1851, when the members of the Parlour celebrated 'the planting of a new Cedar of Lebanon in the Fellows' Garden'. The advent of new trees provided a regular excuse, in fact, for the Fellows to 'moisten' them by consuming a bottle or two of wine. The wager books record that in 1823 two weeping willows were planted, prompting a bet as to which would be the taller at the end of two years. In 1839 James Bunch gave a bottle 'to commemorate the planting of a very young oak tree (with the acorn still attached) near the door in the new wall of the garden'. The introduction of a horse chestnut to the Fellows' Garden in 1847 was also celebrated with a bottle of wine, and in 1895 the Parlour toasted 'long life to the new Tulip-tree'.

Given all these references to tree-planting, it is extremely frustrating that the wagger books do not mention the college's most famous tree, the oriental plane. Its planting date has been estimated at anywhere between 1810 and 1840, but it seems unlikely that we will ever know the tree's age for certain, at least not while it is still living. This vast and convoluted wonder of nature, whose 'weeping' boughs now snake along the ground, has inspired a well-known and much-loved poem. Luis Cernuda, one of Spain's leading twentieth-century poets, was a teaching assistant at Emma during the Second World War. His celebrated composition, *El arbol*, has drawn many of his admirers to Emmanuel to view the magnificent tree that he memorably described as standing '... like a legend in its walled, silent garden ... This creature of a magic world where man is a stranger.'

Other notable trees at Emma include the 'fossil trees', whose history is recounted elsewhere in this *Magazine*, a Caucasian wingnut near the pond in the Paddock, the tulip tree in Chapman's Garden, North Court's foxglove tree, two chimaeric trees near the chapel, and the English oak planted in the Fellows' Garden by Her Majesty Queen Elizabeth II in 1984.

Chaderton's legacy

The history of Emma's gardens has been one of constant evolution in response to changing fashions, priorities and resources. As we have seen, formal layouts alternated with informal ones throughout the early centuries of the college's existence. The development of the Victorian and Edwardian gardens, with their labour-intensive and sweeping herbaceous borders, falls beyond the scope of this article, as does the more recent history of the grounds, including the conversion of the Paddock into a vegetable garden during the Second World War, and the current trend for eco-friendly horticulture. The college landscape will continue to change, for it can never be a museum piece. At the same time, our garden embodies the college's continuity with its earliest days, for our first Master, a passionate horticulturalist, established a fine gardening tradition that is still going strong. Laurence Chaderton's trees all 'nodded to their fall' many years ago, but their successors have been a delight and an inspiration to all succeeding generations of Emmanuel's society.

Amanda Goode, *College Archivist*

JURASSIC BARK: EMMANUEL'S FOSSIL TREES

A tour of Emmanuel's gardens affords an opportunity to admire two examples of so-called 'fossil' trees. These relics from the Mesozoic era are the monotypic genera *Ginkgo biloba* and *Metasequoia glyptostroboides*. There is an element of privilege, as well as pleasure, in looking upon these majestic trees, as in their native habitats the *Ginkgo* is officially designated as 'endangered', and the *Metasequoia* faces extinction. Their presence at Emma is owed to the far-sightedness of two eminent college botanists. [Images of the two trees appear at the beginning of the sections, *Views* and *Lists* – Ed.]

The *Ginkgo biloba*

Also known as the maidenhair tree, this is the only living representative of a family of trees that flourished from 250 to 66 million years ago, but that became extinct everywhere except in Zhejiang province in eastern China. The trees are exceptionally hardy, as attested by continuing good health of six specimens that survived the atomic bombing of Hiroshima. Both the *Ginkgo* trees at Emmanuel, one of which is in Chapman's Garden, the other in the Fellows' Garden, were planted in 1910 or thereabouts. This can be inferred from a letter written to Mary Giles, the Master's



The fan-shaped leaves of the *Ginkgo biloba*

wife, in June 1920. Her correspondent had sent a flower from the *Ginkgo* growing at Kew, adding that ‘young trees do not flower until they are about 30 years old, so will you compare the inclosed – twenty years hence or so – with the flower which will undoubtedly appear on the Emmanuel ones?’ The flower and one of the tree’s fan-shaped leaves have been preserved with the letter.

Sir Albert Seward

The in-house publication *Emmanuel College: Buildings and Gardens*, published in 1995, states that the *Ginkgo* in the Fellows’ Garden was planted ‘c 1905 by Sir Albert Seward’. This attribution does not seem to be supported by any documentation, but it is a reasonable one. A graduate and (briefly) Fellow of St John’s, Albert Seward was appointed Tutor and Fellow of Emmanuel in 1900, but he was obliged to relinquish these posts when Cambridge University elected him to the professorship of botany in 1906. The college congratulated Seward on his appointment in the annual *College Magazine*, but added that ‘we cannot but confess to somewhat of a grudge at losing him so soon’. In fact Emma did not really lose him, as he remained a member and continued to spend many evenings in the Parlour. The college made Seward an Honorary Fellow in 1908, and it may be that the maidenhair trees were planted either in that year or in 1906, to mark one or other of his appointments.

An expert in the field of palaeobotany, Seward took a particular interest in *Ginkgos* and in 1938 published a paper entitled ‘The story of the maidenhair tree’. This reads like a dry academic treatise until the final paragraph, when the prose becomes positively purple. Seward then writes lyrically of the ‘Oriental’ veneration for ‘the tree with leaves like golden ducks’ feet ... a legacy, it might be, from a golden age and as such possessing miraculous power’. Westerners too, he believed, paid ‘homage to the sacred tree of the East because its story, written in the sands of time, gives us a vision of enduring life. The maidenhair tree appeals to the historic soul: we see it as an emblem of changelessness, a heritage from worlds of an age too remote for our human intelligence to grasp, a tree which has in its keeping “The secrets of the immeasurable past.”’

The *Metasequoia glyptostroboides*

Seward’s poetical words (aided by Shelley) could equally well be applied to another fossil tree, *Metasequoia glyptostroboides*, which had not been discovered at the time he wrote his paper. Emmanuel has two specimens of this tall, tapering tree whose common name, the dawn redwood, alludes to its prehistoric origins.

The more prominent of Emma's trees grows beside, indeed half in, the pond in Chapman's Garden. It has an exotic, primordial appearance, with deeply fissured bark and soft green needles that turn a rich russet in autumn. How it came to be growing in our college garden is a truly fascinating story.

Discovery of living *Metasequoias*

Metasequoias would have been a common sight in the northern hemisphere in the Mesozoic era, but were presumed to have become extinct five million years ago. Then, in 1941, a small number of alien-looking trees were discovered in a remote location near the border between two Chinese provinces, Sichuan and Hubei. The war prevented any immediate follow-up but, as soon as conditions permitted, a quantity of twigs, needles and cones from the trees were collected and sent to Professor Wan-Chun Cheng, a dendrologist at the National Central University in Nanjin. He was greatly intrigued by what he saw, and in the spring of 1946 forwarded the samples to Dr Hsen-Hsu Hu, the Harvard-educated director of the Fan Memorial Institute of Biology in Beijing. Dr Hu realised that they matched fossils of a tree that had been discovered near Tokyo a few years earlier and been given the name *Metasequoia* by Shigeru Miki, a Japanese botanist. Dr Hu published a paper in 1946 announcing the discovery of living specimens of this fossil tree, and in 1948 he and Professor Cheng would name the new tree *Metasequoia glyptostroboides*.

The Harvard collecting expedition

Dr Hu's article naturally aroused great interest in the botanical world, and in 1947 Professor Elmer Merrill, director of the Arnold Arboretum at Harvard University, asked Professor Cheng to organise another collecting expedition, to be funded by the Arnold. This was done, and the samples were sent off to America just after Christmas, two 'giant' shipments arriving in January and February 1948. Having reserved enough seeds for their own purposes, the Arboretum disseminated the remainder to botanical gardens and universities around the world. According to their website, '... all *Metasequoia* [grown before 1990] in the West can be traced to these original 1948 seed lots and their progeny'. It is now known that at the same time as dispatching the Arnold's consignments, Cheng also sent smaller batches to various botanical institutions in Europe (including Kew Gardens), India, the USA and China. Dr Hu also sent some seeds to overseas botanists. These facts are documented in an article by Jinshuang Ma entitled 'The history of the discovery and initial seed dissemination of *Metasequoia glyptostroboides*, a "living

fossil”, published in *Aliso, A Journal of Systematic and Evolutionary Botany* (21.2, 2002). The Arnold Arboretum is, therefore, only justified in claiming that *many* of the pre-1990 *Metasequoias* in the West originated from the seeds it distributed. But are Emmanuel’s trees among them?

Metasequoias come to Cambridge

An article chronicling the history of Emmanuel’s *Metasequoias*, entitled ‘The story of a famous tree’, appeared in the 1994 *Emmanuel College Magazine*. The author was Jacqueline Line, the eldest child of James Line (1892–1988), a botanist and Fellow of Emmanuel. On the basis of what she had learned about the Arnold Arboretum, and knowing that the Cambridge University Botanic Garden had played a role, Line believed that Emma’s dawn redwoods must have been grown from seed sent from the Arnold to the Botanic Garden in 1948. She inferred that a number of seeds had been successfully germinated, and that two seedlings had found their way to Emmanuel. In fact, the true course of events was quite different and even more intriguing.

The current website of the Cambridge Botanic Garden displays a photograph of one of its own stately *Metasequoias*, accompanied by an account of its history. This acknowledges that, although many seeds were disseminated by the Arnold Arboretum in 1948, ‘the seed from which the beautiful and fast-maturing specimen growing on the south-western shore of the lake here at the garden was produced came, somehow, directly from China’. The website then quotes from the Botanic Garden’s *Annual Report* for 1949: ‘Seeds of *Metasequoia glyptostroboides*, sent by Dr Silow from China to Professor F T Brooks, germinated freely. Three of the seedlings have been planted out: one in the yard at the back of the range and two beside the pond.’ Brooks? Silow? Bemused readers could be forgiven for wondering who on earth are these hitherto unsuspected participants, and even specialist researchers might be baffled, since neither Jinshuang Ma’s article in *Aliso*, or any other literature relating to the discovery and dissemination of the dawn redwoods, mentions them. They clearly require an introduction.

Frederick Brooks and Ronald Silow

Professor Frederick Tom Brooks (1882–1952) was a graduate of Emmanuel College. After gaining a First in natural sciences in 1905 he remained in Cambridge, becoming a senior demonstrator. Emmanuel elected him a Fellow in 1932, and in 1936 he succeeded Sir Albert Seward as the university’s professor of botany. Needless to say, Professor Brooks was closely associated with the

University Botanic Garden and it seems safe to assume that he was also personally acquainted with Ronald Alfred Silow.

A graduate of Reading University, Mr Silow (styled Dr Silow in some sources) was a specialist in plant genetics. In 1945 he took up a post as scientific officer at the Agricultural Research Council, which was attached to the Plant Breeding Institute in Cambridge. In January 1947 he was appointed director of the British Council's Science Office in China, and went out there with his wife soon afterwards. In later life he worked for the United Nations Food and Agriculture Organization.

That Ronald Silow did indeed 'somehow' get his hands on a quantity of *Metasequoia* seeds while working in China is certain, but the precise details are opaque. He may have acted entirely on his own initiative, although it is equally possible that Professor Brooks had asked him to get hold of some samples, if possible. Silow must have obtained his seeds in late 1947 or early 1948, probably directly from Professor Cheng.

The seeds are sown

Mr Silow dispatched his batch of seeds to Professor Brooks soon after taking delivery, for they had arrived in Cambridge by the end of February 1948. Brooks took some, perhaps all, of the seeds to the Cambridge Botanic Garden on 3 March 1948, as attested by a contemporary note in the archives of that institution. A later document in the same file records that 'Mr Silow of the British Council sent seeds in 1948 (Silow 1970). This was seed from Li Chuan Hsien. Seed sown immediately and placed in final position January 1949. First plantings in Britain. An additional tree from this stock was planted in Clare College.' Although it would make sense that Professor Brooks had handed over the seeds to the Botanic Garden, where there were specialist propagating facilities, it is puzzling that their records only mention Clare's tree and not Emmanuel's. Could Brooks have germinated some of the seeds himself, at Emma?

The first *Emmanuel College Magazine* to be produced after the Second World War, issued in the summer of 1950, contained the following report: 'Of new trees planted perhaps the most notable are two specimens of the newly discovered Chinese conifer *Metasequoia glyptostroboides*, which were obtained by Professor Brooks and are now rapidly shooting up by the pond in Chapman's Garden'. Frederick Brooks died in March 1952, and his obituary in the *College Magazine* noted that Emmanuel's gardens contained 'many living reminders of him ... in Chapman's Garden flourish two specimens of that strange conifer *Metasequoia glyptostroboides*, the seeds of which Brooks obtained from China in 1948'.

A photographic puzzle

A photo of the larger of Emma's two young dawn redwoods was loaned to the college by Jacqueline Line at time of writing her article for the *Magazine*. It was apparently taken by Mary Bolt, catering manager at Emmanuel, who married James Line many years later, after the death of Jacqueline's mother. The copy print held in the college archives has an endorsement presumably copied verbatim from the original: 'Planted 24 March 1948 6". Photo taken Sept. 1951 height 11' 11"'. Such a precise caption would ordinarily engender confidence as to its accuracy, but such an early planting date cannot possibly be correct. Perhaps it refers to another event in the history of Emma's tree, such as the day the seed was sown, or when it germinated. Jacqueline Line herself doubted the endorsement's accuracy, for in her article she gives the planting date as 'March 1949'. A further indication that the caption is not reliable is the alleged date of the photo itself. If it does indeed show a 12-foot tree, it could not have been taken as early as 1951, as *Metasequoias* usually only grow about two to three feet annually. Line suggested that the photo had in fact been taken in 1952, but this would still indicate a very fast growth rate. The Botanic Garden trees planted out in January 1949, by way of comparison, had only reached a height of 5 ft 'at the time of the accession of Queen Elizabeth II'. Mary Bolt left Emmanuel's employ in June 1952, but she could have taken the photo on a subsequent visit.

Emmanuel's other *Metasequoia*

The actual planting of Emma's *Metasequoia* seedlings was undertaken by James Line, according to his daughter, not by Professor Brooks. Line would of course have shared his colleague's enthusiasm and professional curiosity about the fossil trees. Both men were members of the college's garden committee, and it is a great pity that the minute books of the committee do not mention the planting of the *Metasequoias*. They do, however, record that one of the young trees was moved to a new position in 1953. When it became clear that both saplings had taken firm root it was deemed advisable to relocate one of them, and on 21 May 1953 the garden committee recommended that the smaller of the two trees 'be moved this Autumn to a site in the Fellows' Garden or to the garden in front of the College (Chapman's Garden End)'. If the young tree *was* moved to either of these two sites, it cannot have remained there long before being transplanted to its current location, close to the boundary wall between the library and the squash court. A site next to the pond in the Paddock would have been better for this water-loving tree and it has not thrived to the same extent as its confrere. It is

also so hemmed in by other tall trees that many members of the college are not even aware of its existence.

Conclusion: 'The first Dawn Redwood'

The passage quoted earlier from the Cambridge University Botanic Garden's website, concerning their own highly-prized *Metasequoia*, concludes: 'This tree on the south-western edge of the Lake, then, is the first Dawn Redwood to grow on British soil since the Mesozoic era, when dinosaurs dominated the fauna. It was judged one of the 50 'Great British Trees' in honour of the Queen's Golden Jubilee in 2002 and features in Thomas Pakenham's *Meetings with Remarkable Trees* (1996).'

It would be undignified to contest this assertion of primacy, but in the interests of accuracy it ought to be a matter of record that the dawn redwoods at Emmanuel and Clare were all grown from the same batch of seeds as those in the Botanic Garden, and thus have an equal claim to antiquity, if not celebrity. The tree in Chapman's Garden, it might be added, is a particularly fine and well-grown representative of the genus. We can, at any rate, be proud of the fact that all the Cambridge dawn redwoods owe their existence to the good offices and professional curiosity of Ronald Silow and Frederick Brooks, Professor of Botany and Fellow of Emmanuel. Brooks did not live to see the college's *Metasequoias* grow to maturity, but his legacy has enthralled later generations of Emma members. With good fortune, his dawn redwoods and their maidenhair neighbours will continue do so for many years, perhaps even centuries, to come.

Amanda Goode, *College Archivist*

With gratitude to the curatorial staff of the Cambridge University Botanic Garden for their speedy response to our request for information.

THE EMMANUEL GARDENS TODAY: THE COLLEGE GARDEN DEPARTMENT

It has been an exciting few years for the Emmanuel College garden department. The Covid-19 years and after have been tumultuous: it has been a challenge navigating through these times but the department seems to have weathered the storm and come back fighting even harder. I think it is in a better place now than it was a few years ago.

We have seen arrivals and departures and built up a solid team of passionate gardeners, who are keen to achieve the highest standards. I certainly do not take this team for granted. The biggest departure within the department saw former head gardener Christoph Keate leave the college in April. I had previously taken over from Christoph as head gardener in March 2021, with Christoph taking a reduced hours management role. I will always be grateful to him for passing on his wisdom about Emmanuel College life; he certainly taught me a lot.

The department consists now (in the summer of 2022) of six gardeners, four full-time (including myself) and two part-time. In the coming year, we will see an addition of a full-time apprentice and a part-time trainee gardener. This should equip us well as we enter on the exciting landscaping projects associated with the new buildings while encouraging new careers for the trainees.

I have been a professional horticulturist for over 30 years, starting out myself as an apprentice before a long career in various management roles and head gardener positions. I have held head gardener positions at Bridge End Gardens in Essex and the Perse Schools, and also for Sherry Coutu CBE on her estate in south Cambridgeshire. Sandwiched between these roles was a spell teaching horticulture for Cambridge Parks Department and seven years running my own horticulture and landscape design consultancy business. I studied for a degree in landscape architecture as a mature student at the famous Writtle University College and have been an active member of the Chartered Institute of Horticulture for many years. I feel there is an obligation for me to pass my years of knowledge on to my team and to create the next generation of passionate gardeners, assistant head gardeners and head gardeners.

The Chartered Institute of Horticulture recognises professionalism within the horticulture sector. The institute runs a competition annually for Young Horticulturist of the Year, with those under 30 eligible to apply. Each region holds two rounds of competition before the region's winners are selected to battle it



A meadow in North Court



A meadow in the Master's Garden

out in the grand final. Thousands apply and I encourage my eligible staff to do so as well. Three Emmanuel gardeners applied this year. I was delighted that two of the three made it through to the last eight in the region to compete in the Eastern regional finals. Douglas Day and Jonathan Strauss, with me for support, attended the regionals held at Somerleyton Hall in Suffolk. The competition comprises several rounds of questions and a plant identification. One round of questions is a buzzer round and the next involves direct questioning of individuals.

Both Douglas and Jonathan put weeks of hard work into studying for the competition, with a little coaching from me, and it was a huge achievement to make the finals. The best young horticulturists in the region bravely battled their way through the competition, round by round. It was a tense final with some very hard and technical questions, but our very own Jonathan Strauss eventually went on to win the Eastern final and was crowned the Eastern region's Young Horticulturist of the Year.

Jon went on to represent himself and Emmanuel in the grand final held at the University of Warwick in May. Eight regions were represented from all across Britain. Jon managed to finish in third place, which is an incredible achievement. He was narrowly pipped from second position but the eventual winner was the hot favourite, Charles Shi. Charles works at the RHS Kew Gardens and was just a little bit too fast for all the other contestants on the day. The questions at this stage were very technical and Jonathan presented with great decorum, but was eventually beaten by the best candidate. Jonathan will always be a winner in the eyes of the Emmanuel garden department, though. We were all very proud. Both Jonathan and Douglas are eligible to try again next year and – who knows? – they may be even more competitive next year.

The gardens have also seen some slight changes over the last couple of years. Since my appointment I have had time to assess the direction I think the gardens should go. Not that anything was particularly wrong when I took over, but I could see the opportunities to make things even better. Ecology and sustainability have always been very close to my heart. The horticultural industry is improving with modern thinking and old-fashioned practices are being replaced by equally challenging though more relaxed approaches.

I have taken this opportunity to have a rethink about how the gardens are being managed and tried to put biodiversity and ecology at the forefront of our strategic plan. I pay particular notice to industry changes with ecology in mind and have been working closely with other college head gardeners and the University of Cambridge biodiversity teams as to the best approach to our management.



A green-veined white on the 'super-highway' for pollinators

My ecology studies as part of my landscape architecture degree, coupled with my restoration work at my previous role, gained me a great deal of knowledge. Sherry Coutu is married to Dr Bill Budenberg, an entomologist. When I worked as head gardener on their estate, Dr Budenberg taught me about meadow management, to encourage bees and insects for pollination. He was a keen beekeeper and together we designed meadows to encourage pollination. Over



North Court, where the bee sucks, in this case, a red-tailed bumblebee, *Bombus lapidarius*

my six years at the estate, I came to understand each process of the meadows from season to season and the beneficial impact it had on our environment.

When I took over my current position, I could see that Emmanuel College was doing lots of great things already. There were a couple of beehives, water, some meadows around the Paddock and some plants for pollinators. I still believed we could do better. One thing I learned from being a landscape designer is the ability to assess the environment, to study the way the built environment works, or

doesn't, with the surroundings, and to plan analytically. Emmanuel is located in an extremely urban location, in perhaps the most central part of Cambridge city. The city bus station is just yards from our doors. The location has quite possibly the most populous footfall in the city, a pinch point for pedestrians, taxis, bicycles and buses. Pollution is high.

On the positive side, the college is wedged between two of the largest green spaces in the city: Christ's Pieces and Parker's Piece sandwich Emmanuel. From my time in the city parks department, I know these parks extremely well. Part of my role teaching horticulture was helping to design and grow the bedding plants for the parks. Unfortunately, over time the bedding displays declined. However, they have been replaced by wildflower meadows. How could I use this change in practice to my advantage? What changes could I make at Emmanuel that would increase the current biodiversity? I already had a starting point, but how could things improve? Maybe it's Emmanuel's academic surroundings, but I felt I had my Eureka moment. Why do we not try and link all three green spaces (Emma included)?

I decided that I could create a green corridor, a super-highway for visiting pollinators. We have had a staged programme for the last couple of years. We created a series of mini-meadows in North Court's sunken garden. The bees and other insects could fly over the bus station from the meadows on Christ's Pieces to these newly created meadows, and then link to the meadows in the Fellow's Garden and surrounding gardens before going into the Paddock area and its surrounding gardens.

In 2020 we started to create the meadows. We changed the use of the sunken garden, which was traditionally just a managed grass area: there was nothing wrong with that, but on the other hand it was not too inspiring either. In year one we stripped off some areas of turf and sowed a wildflower/grass mixture of seeds, part perennial and part annual. Around the edges of the seeded areas, we set into the grass wildflower plants, including salad burnet, common sorrel, hollyhock, achillea, *cirsium* and primulas.

In 2021 we also had flowering in the meadows *hesperis*, *linum*, *salvia* and yarrow, along with bee orchids. Orchids tend to stay dormant until there is a change of use to the ground. We had changed the use from a neater, more formal look to a much more relaxed management system. This seemed to awake the bee orchids. The first season was incredible, with lots of flowers and plenty of pollinators doing exactly what we had hoped. It was such a joy to see the activity, bees and butterflies actually flying over North Court accommodation from the bus station, hopping from plant to plant and collecting the nectar.

Those bees and butterflies did indeed go on to fly to the gardens on the main site too.

In 2020 we also changed the use of the front gardens of Park Terrace, with a new management plan. We created another urban green corridor to link up with the wildflower meadows on Parker's Piece. In year one we just stopped mowing the front gardens to observe what would happen. By doing this we were creating a ribbon of smaller meadows, which otherwise were anyway a maintenance headache. The small patches of grass had been hard to mow but now, again by changing the use, we were creating a much larger meadow, the neatly cut grass changing to the more relaxed style of management. In that season we saw more bee orchids, yarrow and some ox-eyed daisies. Again, it was a joy to see the insects progress as through the other external meadows. In autumn 2021 in both the North Court meadows and the Park Terrace ribbons, we decided to add yellow rattle seeds. These wildflowers compete with the dominants of the turf grass and weaken the grass root systems, allowing the emergence of other sown seeds and plug plants. These are sown in the autumn as there needs to be a natural cold spell or hard frost for the seeds to germinate. (Similarly, we put some flower seeds in the fridge to accelerate germination.) Thankfully we did have a few cold spells in the winter and early spring.

In spring 2022 the yellow rattle emerged in both the North Court meadows and the Park Terrace ribbons. We were able to plug-plant these this year and also to sow another mix of wildflower seeds, the bees again stopping from one yellow rattle plant to another. Spring and summer seem to be bringing the best out of these areas. The meadows in North Court still have neat areas of grass for sitting alongside neatly mown paths. It has been nice to see and talk to students as they interact with the meadow spaces, many students telling me that they love to sit among the wildflowers and that they find it calming. As for the front gardens of Park Terrace, opinion is divided. For some the gardens look a little messier than the cut grass had been, but I have had many positive comments from those seeing and sharing my vision. I truly believe that this is an opportunity to rewild and work with the biodiversity of what is a busy urban environment, recovering to an extent how the pastures and green spaces would have been in Cambridge centuries ago. Urbanisation has seen a decline in bees in the last century, and it is only right that the balance is tipped back in favour of the other living creatures with whom we co-exist.

These meadows need patience, but Emmanuel is definitely heading in the right direction to fulfil our goals of biodiversity and green practice alongside recommendations from the University of Cambridge's biodiversity plans.

The garden department has been pro-active and not only with making meadows. With the kind investment of the college, the garden department's yard and greenhouses have been restored. I have to thank Building Manager David Hobbs, along with the Bursar, for listening to my vision and acting upon and implementing my plan. It was important that I put the infrastructure in place for the future of the college. I could see that these facilities were being under-used and falling into disrepair.

The glasshouse has now been reglazed, and new and more efficient heating, lighting and electrics have been added. The cold frames have been lovingly restored by our maintenance team, with the frame lids beautifully bespoke and once again fit for purpose. These improvements allow the garden team to practise sustainability, growing many of our own plants from seed or cuttings and reducing the number we have to buy. We are also only using recycled plastic plant pots, reducing our reliance on the plastics industry and the contribution of plastic to landfill.

We have made a commitment to use only peat-free compost as a growing medium. It is essential that the peat bogs survive in the environment as they store carbon. We have also expanded our composting systems and our recycling of garden waste. We aim to reduce the amount of garden waste transported off-site and to compost as much as our storage space allows. We have been using the used coffee grounds from *Fiona's*, the new café, to turn into compost and use as a plant fertiliser, thus reducing our usage of synthetic fertiliser.

The new building on the southern edge of the college is more sustainable than ever, with green roofs, rainwater harvesting and plans to use drought-tolerant plants. We have been working with landscape architect, Christopher Bradley-Hole, winner of several RHS Chelsea Gold Medals, on the design of the new water feature and planting schemes.

Our prospects are exciting, with the focus on sustainability, biodiversity and general green issues. These are important to me and the garden team: the health and wellbeing of the student and staff population is at the fronts of our minds. The coming period will be challenging but very much worth the hard work and planning, with the college benefiting for years to come. I, for one, will enjoy every moment of the process and I am sure you will all enjoy the end products too.

Brendon Sims, Head Gardener

Through a Research Fellow's eyes

BEHIND THE SCENES AT THE COLLEGE: A PHOTOGRAPHIC ESSAY

Cape Town is among the world's most violent and unequal cities in the world; yet it is also one of the most breathtakingly beautiful. I spent my first 20-odd years living there, giving little thought to the singularity of the place. It was only getting ready to move to Oxford, to take up a place as a DPhil student in 2013, that prompted me to regard Cape Town through fresh eyes. I picked up a camera and for several months tried enthusiastically to capture something of the city's people, streets, landscapes and wildlife. I hoped this might help me to remember my hometown more vividly.

In Oxford, my camera now always close at hand, I wasted no time in documenting the magical place I called home for four years. I relished being able to capture an 'inside view' of grand libraries, opulent dinners, esoteric ceremonies and even everyday academic activity in this ancient university city. During these years, my passion for photography was bolstered by recognition that I was surprised to receive in the form of publications and exhibitions. I'm particularly proud of my success in a Travel Photo of the Year competition (with an abstract photo I took in Cape Town) and a UK Citizen Photographer of the Year award (earned with a small portfolio of my Oxford photos).

In 2017 a Research Fellowship from Emma brought me to Cambridge. I can still hardly believe how fortunate I was, not only because the Fellowship allowed

me to conduct a completely independent programme of astrophysics research in Cambridge (almost an Oxford from a parallel universe), but also because of what a special place Emma itself is. I recall, with great fondness, spellbinding Burnaby recitals, sumptuous desserts in the candlelit Gallery and dreamy afternoons in the shade of the majestic oriental plane. What I'll miss most, though, will be the Emma community, as brimming with talent as it is warm and welcoming.

My camera has gathered dust for most of my time at Emma, largely because I've been stretched thin doing full-time research, parenting two wonderful children and weathering the pandemic. I recently made time, though, to capture some 'behind the scenes' perspectives of college life, a small selection of which appears here. Though my Research Fellowship has now ended, I remain in Cambridge as a researcher. I hope to remain an active member of the Emma community and to keep exploring this magnificent city through a camera lens.

Vinesh Maguire-Rajpaul, *Research Fellow (2017–22)*



Confiteantur tibi, Domine, omnia opera tua: a furtive snap taken during the reading of after-dinner grace at High Table



Douglas Day and Brendon Sims, gardener and head gardener, glimpsed through the windows of the college greenhouse on a rainy morning



Adam Matthias, acting director of chapel music, leading the choir through a rehearsal of Gibbons' *O Clap Your Hands*



College Butler Alex Tomkins preparing silverware for High Table before rushing off to attend to several other pre-dinner tasks



Nathan Aldous, Head Chef, stuffing poultry with thyme for a dinner at High Table



Oke Odudu, Professor of Competition Law, looking uncharacteristically solemn while preparing a lecture for his LLM course on competition law



The Master, Doug Chalmers, addressing the Fellowship in the Gallery before chairing his first governing body meeting



The Master, Doug Chalmers, taking a selfie with undergraduates on matriculation day, an amused Senior Tutor and Dean also visible in the front row



A quiet afternoon in the Emmanuel Library



David Lucas, gate porter, whose friendly presence in the Lodge has brightened the days of countless college members, seen here distributing mail to Fellows' pigeonholes



The Dean, Jeremy Caddick, instructing graduate students on matriculation day protocol, with Head Porter Stephen Montgomery (Monty) standing at back right with a clipboard in his hand

Emmanuel Experiences

Emmanuel is and always has been a society of talented individuals, who collectively constitute the college at any particular date. Their experiences here shape their lives for better or worse, as well as the lives of others and of Emma. The archivist welcomes the written recollections of members, since they will be the basic material from which future historians will be able to form a view of our times. Most contributions are not written for publication in the *Magazine*, nor are they of a length or general interest to such a large diverse contemporary readership. Nevertheless, the Editor prints below some extracts from recent submissions that each in its own way gives a flavour of what Emmanuel has meant and means to different individuals.

MY TIMES AT CAMBRIDGE

Recently I noticed happily that the *News of Members* section of two issues of the *Emmanuel College Magazine* began with gracious notices of my publication *Shakespeare's Tragedies Reviewed* (2015) and of my award for distinguished achievement as emeritus professor at the University of California at Berkeley. Such recognition was the less surprising in that, after 28 years of retirement, most of my comparable colleagues are dead: I was born in Burton-upon-Trent in 1932 and my first period at Emma was 1951–54.

However, an earlier date relating to my career at Emma occurred around 1000 of the 'Christian era', when a Mercian warlord called Wulfric endowed a Benedictine abbey at Burton, perhaps to expiate for his command of Anglo-Saxon forces in the destruction of Danish warriors: at the nearby centre of the Danelaw at Repton, recent excavations have uncovered the graves of mass executions of Scandinavians. Like many minor European cities, Burton has a long and complex history, standing close to the centre of England, near Stratford-upon-Avon, at the

highest navigable point of the River Trent for Danish longships, a strategic locale mentioned by Shakespeare's Hotspur.

The monastery was substantial. When I was a student at the University of Florence, I found in the map room of the Palazzo Vecchio that the door of the cabinet for England had an icon listing some of the land's major centres: York, London, Canterbury and Burton-upon-Trent. Of course, a school was attached to the abbey as early records show. Though it was well endowed, it declined. Around 1520 Abbot Beyne felt that the abbey was doomed by the Reformation but that something might survive if he endowed a grammar school. This was successful for almost half a millennium until the Shirley Williams/Margaret Thatcher destruction of the grammar-school culture that sent students like me to universities, including Cambridge.

When I was awarded an open scholarship to Emmanuel, I was required to improve my Latin and complete my two years of National Service. After vicissitudes that saw me ominously reassigned (from the Welsh Brigade to the Education Corps to the 17th/21st Cavalry Regiment to the Royal Artillery and finally to the Air Force), I found stability as an anti-aircraft intelligence officer linked to the fighter wing and based in a country house a stone's-throw from Beverley Minster, where I fared remarkably well. The post involved massive computers but little action, probably because there was no threatening enemy activity except in the yearly training exercise. This unfortunately fell on the first week of term at Cambridge. I felt obliged to defer my arrival at Emmanuel until the exercise was completed.

As the sole such volunteer among several college freshman, I was promoted to full lieutenant and remained in the reserve throughout my Cambridge career, though this episode ruined my freshman year as I arrived long after all the introductions, received the last horrid lodgings available and was assigned to a Tutor who was a religious fanatic specialising in Plato's *Gorgias*, which I found unintelligible. The Master despised the humanities, favouring engineering and left-wing history, and leaving English supervision in the hands of a brilliant specialist in modern literature so diffident that his stammer prevented completion of most sentences. I also persisted in playing collegiate rugby which even then was semi-professional, and in the college third team managed to break my collarbone. As a result of all these problems I did very badly in the preliminary exam ending my first year and was warned that my scholarship was in danger.

I needed to plan my remaining two years at Emma, devoted to the two major exams of the English tripos. Under the influence of wide-ranging if controversial literary historians such as E M W Tillyard, I decided to focus on the Renaissance

and Reformation, with emphasis on the manageable scale of drama and the lyric rather than bulky novels such as *Clarissa* and *Middlemarch*; I also substituted performance for sport, taking the role of Brutus in a public production and accessing definitive stagings by celebrities like Olivier and Gielgud, with a view to the paper on 'Tragedy'. The special topic on Milton fitted the Puritan culture of Emma and the accidental fact that my room in North Court overlooked Christ's College, where Milton spent his undergraduate years. This also matched well with the exam devoted to 'The English Moralists'. For the lyric element in the exam on 'Close Reading', I was helped by courses with F R Leavis.

But my key initiative lay in the choice of advanced studies in two foreign cultures. At Burton Grammar School, our dynamic French teacher had arranged an exchange of pupils with Arras as early as 1946, which I missed because of an attack of rheumatic fever. However, at the last minute the Arras director of education decided to participate himself and I was the only available candidate. Fortunately, his family was based in Rouen, and his move to Normandy and later to Paris provided more attractive environments than the Pas-de-Calais. The relationship proved mutually rewarding and lifelong, ensuring my mastery of French culture. The second language field was less obvious as my Latin was limited, but I decided that Italian was equally relevant for my Renaissance interests. The choice proved invaluable, as I found a powerful resource in the University of Florence, which provided a cultural enrichment that transformed my capacities.

Unfortunately, my stuttering supervisor unexpectedly fled the college, so leaving me with no adviser in my last year. However, the college recalled its eminent medievalist, H S Bennett, who proved wonderfully sympathetic and also secured me the advice of his wife Joan, a distinguished seventeenth-century scholar. They proved good friends, leading to my First in Part II of the trips. A point about the importance of college staff: after my First, the Head Porter, Mr Freestone, congratulated me and my group of friends in modern languages who also got Firsts, saying he knew that we would all do well: 'I used to notice after dinners the four of you were the last to leave, you were so deep in discussions, and the staff wanted to clear you all out, but I stopped them because I knew how much your talk mattered'.

The First opened the option of a research degree. However, the Senior Tutor told me that the college had no experience with Firsts in English; our discussion was characteristically interrupted by the Master, who intervened, telling me I should simply get out and find some secondary school. However, Mr Bennett was more sympathetic and helped to decide my future. As an alternative to a teaching

credential at Oxford, he secured my admission to a BLitt research programme at Wadham College. When I arrived there, after a year as an *assistant d'anglais* at the Lycée du Parc at Lyon, the Warden, Sir Maurice Bowra, suggested that if I stayed for two years I might easily acquire a DPhil. This proved to be the case and led to my professorship in the English Department at the University of California at Berkeley.

There my experience with performance led to an award from the National Endowment for the Humanities for \$100,000 to make three television documentaries, on Chaucer, Shakespeare and Milton. We completed the Shakespeare one in London in 1986 and decided to base the Milton one at Emmanuel, not only because of the college's Puritan background but also because my wife had worked with the Master, who by then was the distinguished Chaucerian, Derek Brewer. He volunteered a recorded interview, which led to *A Prologue to Chaucer* proving the most successful of the three documentaries. Overall sales amounted to 10,000 items, with a quarter of a million dollars in royalties. Emmanuel also provided the locale for our creation of the documentary *Milton by Himself*. So that stay at Emmanuel proved enormously rewarding.

All of these activities required funding over many decades by grants, awards, fellowships, royalties; sales of our various projects amounted to over one million dollars, permitting activities such as our website, *Shakespeare's Staging*, which has received 15 million page visits. Initially, funding for my Emmanuel degree came from the college scholarship and state support, but that did not cover the cost of living, which was paid by my father. My father had followed my grandfather's First World War army service; in the Second World War that earned them both 'Mentions in Dispatches'. Moreover, because my father had volunteered when far over-age, his employer, the Westminster Bank, graciously continued his pay, adding to his modest army salary that he generously dedicated to my education. It only ran out at the last moment for the charge of typing my DPhil thesis at Wadham, which Bowra miraculously covered by locating a Goldsmiths' Company fund for needy Derbyshire students.

Furthermore, over this career I have been treated so generously by the University of California that, reaching our ages of 90, it seemed time for my wife and I to reciprocate, and we have been setting up such modest analogues as we can manage to my Goldsmiths' Company grant, particularly for stressed humanities graduate students. We have managed this at our various colleges: Wadham, Berkeley, St Hugh's and of course Emmanuel. Our latest visit to Emma was to finalise the grant with Sarah Bendall, who has cleverly matched funds to double its value to produce this outcome:

Hugh and Velma Richmond have endowed a bursary in memory of Professor Derek Brewer to assist students of the MPhil in English Studies who elect to specialise in medieval literature. Eligible candidates must have applied for admission to Emmanuel College as an MPhil student or must transfer to Emmanuel College in order to receive the award. They must have received an offer of admission for the MPhil in English Studies and, in addition, have outlined a dissertation topic in the period 1066–1550 in their “research proposal”.

The first student will take up the post in the academic year 2022–23. This offer reflects the positive final outcome of all our visits to Emmanuel, which have proved to be a key to my whole career down to the present.

Hugh Richmond (1951)

SEVENTY YEARS LATER

We were very much a mixed bag as we arrived in Cambridge in 1952, destined to spend, for the most part, three years as undergraduates at Emmanuel. About a third of us had come straight from school, while the majority had completed National Service. This experience ranged from being blown up in an icy trench by the Chinese in Korea while fighting for the United Nations forces, to more mundane experiences such as peeling spuds at Catterick. Unlike most colleges, Emma at that time sent its undergraduates out into lodgings in our first year, by what twisted logic I never understood. If it was designed somehow to foster corporate spirit, it failed dismally in my case, at least.

The two front rooms at 47 Mawson Road were to be my home for the next year, nearer to the station than the more obvious attractions of Cambridge. My landlady, Mrs Parr, religiously locked the front door at 11 pm in accordance with university lodging house rules. The fact that everybody used the rear entrance, which remained open 24/7, was somehow overlooked. The Parris occupied the small back bedroom and the kitchen. The privy was, of course, outside. The zinc tub hung on the kitchen wall: I had to time my entrances and exits tactfully, especially on Fridays, which were Mr Parr’s bath nights.

The college was the place where I deposited my ration book, ate meals, enjoyed copious baths of very hot water and attended desultory supervisions. My problem was that I had a ready-made network in place from my school, together with an

older cousin at Downing. Those networks spread rapidly and in my first year I spent far more time in Trinity than I did in Emma. I was reading classics and I quickly found that my excellent grounding from school meant that I could get away with very little work; I could treat university lectures as an optional extra. It was sheer paradise coupled with the opportunity to get into all kinds of mischief.

Things changed imperceptibly at the beginning of my second year. I was given G7 in Old Court, which first of all allowed me to start repaying some of the hospitality that I had enjoyed in other colleges during my first year. Then again, it was pleasant to avoid those long, lonely cycle rides home through the bitter Cambridge winter as I gradually realised that I potentially had very good and interesting friends on my own doorstep. Old Court lacked basic amenities, but that did not worry us. The twice-daily trot to the bathhouse behind the library was a minimal inconvenience. Soaking long in hot water was an excellent way of passing time and keeping out the Cambridge chill. In our adjoining cubicles, Jim Townshend and I would run through our repertoire of songs from the shows, much to the disgust of Billy Boggs with his creaking corsets, who was in charge of the bathhouse and hated students.

After two relatively wasted years of classics, I was released and was looking forward to starting law. There were six of us making the change and endeavouring to cram two years' law into one. We were told that we had to come up for the Long Vac term, which existed for undergraduates doing odd things, as we were. It was one of Cambridge's best kept secrets: six weeks in August with few undergraduates and hordes of foreign students, mostly female, on English language and literature courses enjoying the best weather of the year. At this point, I must name the other five of our group. Cecil Parkinson, who of all the people whom I have met in my life had the most outstanding leadership qualities, should have been our Prime Minister. The others were John Britten, who so efficiently and without any fuss brilliantly organised our recent gathering; Michael Pinner, otherwise 'Micky the Cat', who in today's climate would have made a fortune as a professional footballer; Kay Lloyd Williams, who somehow represented the typical, bridge-playing all-round Emma man; and lastly Jonathan Fearn, who was the only one of us to have any pretensions of academic excellence and, ironically after all his hard work, got a third!

Tasked with ensuring our success in the law tripos was that most unusual of dons, Freddie Odgers. An essentially practical man, Freddie had no illusions about the many distractions that ruled our respective lives and about the time and effort that we were going to devote to our studies. 'Do the bare minimum that I tell you to do and I guarantee that you will get your degrees.' We did and it worked. We had six weeks that summer of sheer paradise, getting to know each other and forging

bonds of enduring friendship. Sadly, Jonathan did not survive long and Cecil is no longer with us, but what a legacy of achievement he leaves behind him!

When our third year began, I was lucky enough to remain in college, sharing a set of rooms in North Court. I don't think that Brian Hill ever approved of my active social life. As for work, I forgot that I was studying a new subject and relapsed into my bad, old ways. I sharply appreciated reality when Freddie Odgers produced some specimen exam papers. Not only did I not know the answers, but I did not even understand the questions! For the next six weeks, I was at the University Library when it opened in the morning until it closed at night. Why the University Library, you may well ask? It had the most comfortable chairs and the quickest lunch service.

From getting our degrees in 1955 until the present time is a huge leap. Much has happened to all of us, both good and bad. We have sired children, enjoyed grandchildren, suffered losses, succeeded and failed. What we have also done is keep together. As usual, Cecil Parkinson with his innate wisdom was the first to see the strength of the bonds among us. Over the years, we have met for dinners and lunches on a semi-regular basis. Our numbers have depleted, as you would expect. As we get older, we appreciate increasingly all that we mean to each other. Our recent meeting, with dinner, in Cambridge was a landmark event, but there is no reason why it should be the last while the energy and impetus remain in us to get together. We look forward to our next meeting.

There is one overarching strand that binds us together and that I have left to the last to discuss, though it ranks first in importance: Emmanuel College. It brought us together in the first place, nurtured us most obviously for three years, and has been discreetly watching over us ever since. It is impossible to look at the Great Pyramid in perspective when you are standing close to it. Similarly, we cannot appreciate all that the college means to us until we can stand away from it and view it from afar. During Sarah Bendall's excellent tour of the college's new buildings and proposals for the future, I had a sudden revelation. Over the years, I have been involved in many building projects but they were all somehow for immediate consumption. What the college is now doing is building for students one hundred years from now. The Fellows are a custodian for the future as we all are in our own small ways. Emmanuel looked after us, and we have a duty to contribute, so that it can continue its work for future generations. We can look back profitably at its historic past, enjoy the warmth of its present embrace and do our best to secure its continuation for future generations of students.

Michael Simmons (1952)

MEMORIES OF EMMANUEL

I came up in 1956, after being interviewed by the Master, Edward Welbourne. I recall that the interview was more like an informal chat about my life, and he expressed great interest that I had moved around with my family, including spending nearly three years in Toronto, Canada, where I was a pupil at Upper Canada College. After meeting Mr Welbourne, I was not sure whether I had gained a place or not, so I wrote a letter of thanks and waited for a reply. His response was to the effect that, if he had made a promise, he would not go back on it. Sometime later I received confirmation when I was offered accommodation in Emmanuel Road, where my cousin Christopher Collett had also lived. As I was doing an engineering course, I had obtained deferment from National Service, but I was doing a pre-university apprenticeship at the DeHavilland Aero Company.

I read engineering, so my tutor was Ken Roscoe and for a time I had Peter Wroth as my Director of Studies. Engineers had a full programme of lectures on five or even six mornings a week. There were sometimes practicals in the afternoon or surveying on the Fens.

I was an active member of the rugby club, though I only occasionally played in the first fifteen. There were four teams playing regularly each week. For a while in my third year, I was secretary of the club. This was the time when the college had a number of very good players, including internationals and Blues. We had a short tour to Jersey and Guernsey. In the summer I played cricket and I recall going on tour in Sussex, where we played five or six games against leading sides.

For three years, initially living close by and later in the Hostel and North Court, I took all my meals in college. I don't know how we managed to eat three cooked meals a day under the watchful eye of the Head Porter, Mr Freestone!

I enjoyed going to debates at the Union and to Sunday evening services at Great St Mary's, where the flamboyant and controversial Mervyn Stockwood, later Bishop of Southwark, was the vicar.

Of course, there is a lot more. Having spent some years overseas during my career with W S Atkins I often missed reunions, but I enjoyed those I did attend, meeting up again with old colleagues, and making my acquaintance with new Masters, Fellows and the Development Director.

Tony Collett (1956)

Platanus orientalis, oriental plane, in the Fellows' Garden



News

Fellowship Elections

The college has made the following fellowship elections:



Fiona Amery, Research Fellow, writes: I'm very much looking forward to joining Emmanuel and becoming part of the vibrant and exciting research community at the college. I grew up just outside Cambridge and read history at the University of Exeter for my undergraduate degree. I also attended UC Berkeley for an opportunity to study abroad in 2017, where I read Middle Eastern history and psychology. My MPhil in the history and philosophy of science at Cambridge provided the ideal opportunity for me to pursue my interest in the history of the physical sciences, which I have continued to develop throughout my doctoral research in the same department.

My PhD research focuses on the various ways in which the *aurora borealis* and *aurora australis* were imaged, visualised and understood in the late nineteenth and twentieth centuries. In my thesis I explore depictions of the phenomenon, from hand drawings to radio echo images, while investigating the problem of indescribability and the imaginative and aesthetic aspects of rendering an intangible atmospheric object. With a focus on the practices of polar research, I trace the shifting balance between reliance on embodied and instrumental sensing. My research touches on broader questions relating to the practices and challenges of calibrating results across disparate polar stations and the epistemological power of experiential knowledge. I have been lucky enough to see some spectacular displays of the northern lights myself, once on an archival trip to Tromsø and also last February, when I was fortunate enough to take part in the filming of a documentary in the north of Svalbard.

The fellowship at Emmanuel will allow me to broaden the scope of my research. I will be looking at the construction of atmospheric analogues in the late nineteenth century and what they tell us about competing and difficult-to-reconcile models of atmospheric electricity, methods of grappling with elusive,

difficult-to-capture and potentially illusory objects, and the importance of outdoor field research to the physical sciences at the turn of the twentieth century. My work will consider machines that artificially produced such phenomena as the *aurora borealis*, St Elmo's fire and ball lightning.

In my spare time I enjoy bouldering, cycling and baking sourdough bread. You can also spot me wandering around Cambridge with my film camera or seeking out a chai latte in one of the city's many lovely coffee shops.



Harvey Dale, John Henry Coates Research Fellow, writes: After spending the vast majority of my youth in Maidenhead, Berkshire, and attending my local comprehensive, I began my path in research as an undergraduate in chemistry at the University of Bristol. Perhaps unremarkably, my enthusiasm for science first developed organically, and gradually, during my years at school. I suppose I valued the idea of understanding the world and life in a unifying way, and I found satisfaction in the pursuit of conclusions that, to steal a phrase from William Jencks, don't 'reverse themselves'.

During my time at Bristol I became captivated by chemical reaction mechanisms, and I've been chasing them ever since. Following a crack at using ultrafast lasers to probe photoinduced reactivity as a Master's student in the Bristol laser group under Professor Andrew Orr-Ewing FRS, I travelled north, to Edinburgh, to undertake doctoral research in the laboratory of Professor Guy Lloyd-Jones FRS. Supported by an ICASE award (Industrial Cooperative Award in Science and Technology) from the EPSRC and Syngenta, I encountered here reactions that were, forgivingly, a little slower than a billionth of a second but by no means any less multifaceted. Much of my doctoral research in Edinburgh was concerned specifically with so-called azoles (small, cyclic, obstinate molecules that tend to afford multiple products in their reactions) and with their control by, and use in, catalysis. Extensive reaction monitoring and kinetic analysis were the order of the day, but I also learned a great deal about NMR spectroscopy, the gift of fluorine, heavy atom isotope effects, computational chemistry and catalysis, as well as a little about whisky.

As I discovered, mechanisms of reactions with small organic molecules are often formidable opponents in their own right, but they pale into insignificance when compared with biochemical processes. From the perspective of a chemist, the coded biosynthesis of proteins – the translation of genetic information into function – is perhaps the most extraordinary of all. Incredibly, the mechanism of

translation in extant biology is known in exquisite detail: we know how it works, where it happens and how to manipulate it, and we know the underlying genetic code that ensures the right amino acid is recruited at the right time during protein biosynthesis.

Yet the picture is incomplete and fundamental pieces are missing. One profound dilemma is that extant translation depends vitally on an ensemble of proteins, yet these very proteins could not have emerged before a means to generate them. The genetic code is essentially universal among cellular life forms and yet myriad alternative codes could feasibly perform the same role. How did our genetic code emerge, why should it be the way it is and how did specific sequences of nucleotides (codons) get assigned to specific amino acids, before 'biology' even existed?

In 2022, during the final stages of my PhD, I was awarded a research fellowship from the Royal Commission for the Exhibition of 1851 to bring my experience as a mechanistic organic chemist to bear on these questions. I now work in the MRC Laboratory of Molecular Biology under the mentorship of Professor John Sutherland FRS, whose group has an established interest in the chemical origins of life.

Beyond research, I enjoy dinghy sailing and playing badminton, and confess to being perhaps overly keen on films, with Scandinavian ones a particular favourite. I very much look forward to cultivating new interests at Emma and to supporting the college in attracting and admitting prospective students from all walks of life.



Gonzalo Linares Matás, Research Fellow, writes: I was born and raised in Murcia in south-eastern Spain. I am joining the Emma community in Cambridge after nearly ten years at St Hugh's College, Oxford, where I completed my undergraduate and master's degrees (with one-year study stints at Exeter and Madrid) and then served as a stipendiary lecturer while finishing my doctorate in archaeology. Archaeology offers an evidence-based mode of enquiry at the intersection of scientific and social disciplines. It has enabled me to explore the social and ecological drivers of human behavioural diversity, with the aim of understanding our long-term evolutionary histories of adaptation, innovation and resilience.

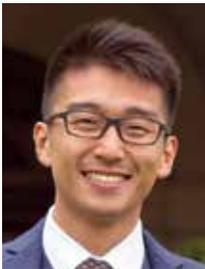
My initial doctoral idea aimed to explore the interactions between hunter-gatherers and social carnivores in Eurasia, with a focus on early dog domestication. However, in the context of pandemic-related and other fieldwork restrictions, I eagerly embraced the possibilities of remote sensing to document how prehistoric societies dealt with climate change and cultural interactions in the southern Sahara,

by tracking changes in the nature and distribution of settlements and funerary monuments.

In addition to my doctoral research, I have been collaborating extensively with other researchers at Oxford, Cambridge and Spain over the past few years on a range of fun and fascinating projects. These include: the effects of food-sharing, landscape familiarity and seasonality on behavioural variability and meta-population demography in early human evolution; the ways in which palaeolithic sites are formed; and recent hunter-gatherer adaptations to circumpolar environments at both ends of the Americas.

At Emmanuel College, I want to take my research a step further and develop a transcontinental project looking at the Iberian peninsula, North Africa and south-western southern Africa. These regions – at the confluence of two different seas, with markedly seasonal rainfall patterns, similar temperature ranges and an arid interior – share remarkable biogeographical affinities. Thus, they offer an unparalleled opportunity for a comparative assessment of human resilience, innovation and risk management through the study of hunter-gatherer technology, mobility and subsistence strategies in the face of climate change and population pressures.

Beyond learning about the past, I enjoy making friends while trying to play football, and I love the nurturing creative freedom that cooking offers. I like learning other languages (I want to be fluent in French, Italian and Arabic!) and listening to a wide range of music. I am also very fond of relaxing amid lush green and well-watered landscapes that offer a soothing contrast to the equally beautiful, hot, arid places where I grew up and work.



Saite Lu, Mead Teaching & Research Fellow in Economics, writes:

I am very excited to join Emmanuel in October as the new Mead Fellow. Prior to this, I was a senior teaching associate in economics with the Cambridge faculty of economics and a stipendiary lecturer in economics at Pembroke College, Oxford. I will be supervising Emma economists on a range of undergraduate papers, ranging from first-year macroeconomics to third-year development economics, while also developing my own research.

My primary research focus is macrofinance and macroeconometric forecasting models. I am currently working on a research project with Dr Ken Coutts and Dr Graham Gudgin to develop an empirical stock-flow consistent (SFC) financial

forecasting model for the UK economy. The model will help advance our understanding of the interlinkages between the real economy and the financial sector. It can also provide simulations and forecasts for important policy changes, which will contribute to contemporary economic debates such as potential policy responses to inflation.

Another research focus of mine is national accounting and its applications in shaping sustainable development policies. As an affiliated researcher at the Bennett Institute for Public Policy, my research investigates the role of missing capitals – that is, natural, human and social capitals – on the national balance sheet and the means to improve economic development on the approach to wealth. These capitals, together with a responsive financial system, are the missing pieces that are essential in achieving the UN’s sustainable development goals. I now work closely with Professor Diane Coyle to develop an online course for Cambridge, based on the ‘wealth economy’ framework.

In addition, I have recently received a research grant jointly funded by the Nuffield Foundation and the British Academy. The project explores whether administrative data about public behaviours, already gathered by local authorities, can be ethically used as a means to gain additional insights into community well-being and policy formulation.

Outside academia, I’m a council fellow on the World Economic Forum’s Global Future Council on the New Agenda for Fiscal and Monetary Policy. I have been a macrofiscal adviser for the governments of Sierra Leone, South Sudan, Ethiopia and the Palestinian Authority. My work on macroeconomic forecasting frameworks has played an essential role in assisting the budget preparation and policy formulation in these economies during some tremendously challenging periods, such as the Ebola crisis and the Covid-19 crisis.

I’m also a WSET (Wine and Spirit Education Trust)-certified wine expert: level four in progress. I enjoy rowing and playing golf.

lan Fyfe



Ioanna Mela, Official Fellow in association with a College Lectureship and Royal Society Fellowship, writes: My research focuses on DNA nanotechnology and how it can be used to deliver antimicrobial drugs directly to bacterial targets and, in that way, potentiate their action.

I studied chemical engineering at the National Technical University of Athens and while an undergraduate I undertook a student placement at Unilever Corporate Research at

Colworth, where I learned how to use an atomic force microscope. I was fascinated by the technique and this led me to pursue a PhD in the department of pharmacology at Cambridge with Professor Robert Henderson. While working towards my PhD and through a collaboration with Professor Hiroshi Sugiyama at Kyoto University, I was introduced to DNA nanotechnology and how DNA, apart from being a molecule crucial for all life on the planet, can also be used as a versatile building material, with which one can produce functional nanostructures. I worked on this area during a research associate appointment at the department of pharmacology, combining it with high-speed atomic force microscopy. In 2018 I moved to the department of chemical engineering & biotechnology as a research associate.

There, I developed state-of-the-art correlative atomic force microscopy with super-resolution microscopy platforms focusing on visualising biological specimens. In parallel, I explored further my interest in DNA nanotechnology and started building my independent research career. I designed and synthesised DNA nanostructures that can specifically target bacteria while carrying active antimicrobials, and showed that this method of delivery can potentiate existing antimicrobials, making it a relevant tool in the battle against antibiotic resistance. This work has led to my recent award of a Royal Society university research fellowship, which will allow me to further this direction of research, bringing together my expertise in engineering and pharmacology.

I am looking forward to joining the fellowship at Emmanuel: having been a PhD student at the college and later a Bye-Fellow, this very much feels like coming back home. I am excited to be involved with teaching in the college again, which will initially involve teaching pharmacology to medical students.

Beyond my work, I enjoy spending time with my family, reading, good food, (a lot of) coffee, and going to concerts, exhibitions and performances of dance. While studying in Cambridge I was the treasurer of the ballet club, but my ballet days are now behind me!



Elise Needham, Research Fellow, writes: I am an Australian researcher who is interested in the molecular basis of heart disease. My PhD was in biochemistry at the University of Sydney. There, I measured the molecules that change in our muscles when we exercise and how they differ in pre-diabetes. This allowed me to find molecules that are linked with sugar handling, providing potential targets for pre-diabetes. In a slight shift, I will bring my biochemistry

background to Cambridge’s clinical school to bridge the gaps between genomics and biological mechanisms.

Specific differences in our DNA, called genetic variants, have been found to cause heart disease. We do not know how most genetic variants increase disease risk because many of them occur in DNA that lies outside specific genes. However, recent developments have enabled us to overcome this challenge.

Each gene is the recipe to make a specific protein. Proteins are the functional ‘molecular machines’ that perform biological roles and can be targeted by drugs. We can now directly measure the levels of more than a thousand different proteins in samples of blood that have been donated. By determining the specific proteins that have altered levels on account of disease-causing variants, we can start to understand how these variants are disrupting health. Understanding the affected proteins will provide new drug targets and methods to test for disease risk.

In my spare time I enjoy playing netball, hiking and practising rowing, in order one day to be worthy of the Fellows’ boat! I will pause my interest in snorkelling Sydney’s marine reserves and focus on exploring the treasures above ground in British museums and galleries. I didn’t bring my snorkel, so I guess we will never know what swims below the ducks and carp in the ponds. Thanks to everyone for being so welcoming over the past couple of months. I look forward to meeting even more of the Emma community soon: please do say hello!

N Courtman



Syamala Roberts, Teaching & Research Fellow in German, writes: When people ask where I am ‘from’, I give a different answer each time: Belfast, India, England, Berlin, Ireland, Cambridge, Europe. As for many people, it’s not quite straightforward. But to introduce myself as Emmanuel’s new Teaching & Research Fellow in German, I say the following:

I grew up mostly in Northern Ireland, where the magazines, films and books I hoarded at home in East Belfast brought me into contact with German and French culture. Summers were spent with my extended family in southern India. I studied for my BA, MPhil and PhD degrees in modern and medieval languages at Jesus College, Cambridge, including stints in Paris and Berlin. Before coming to Emmanuel, I lived in Berlin on a visiting studentship at the Freie Universität.

My doctoral research was carried out under the supervision of Lucia Ruprecht, known to many at Emmanuel. It traces the emergence of an ‘aural imaginary’ in German-language writing of the early twentieth century. Drawing on a wide range

of material from both canonical writers, such as Rilke and Kafka, and figures less known outside German studies, such as Robert Walser and Paula Modersohn-Becker, the thesis examines how hearing and listening were conceptualised, represented and enacted in the medium of text.

The post-doctoral project I'll be pursuing at Emmanuel remains broadly within the field of modernism, centring on Indo-German cultural production in the twentieth century. The flourishing of interest in India and the Indian subcontinent among German-language writers and thinkers had its roots in Enlightenment and Romantic thought. By the early twentieth century, however, this cultural fascination had gained a new political emphasis, which involved the positioning of Germany in relation to its British rival both within Europe and also on the global colonial map. My project will consider the shifting uses and perceptions of Indian culture during a period of transition and turmoil in German history, as well as the place of German culture in pre-independence India. I pay particular attention to the literary and artistic output of German, Swiss and Austrian intellectuals who imagined, wrote about and even travelled to India after 1900, as well as of Indians who visited or worked in Germany. The decades around and between the two world wars saw a genuine cross-fertilisation of Indian and German cultures. Attending to this reciprocity will be at the core of my study.

I'm especially looking forward to working with students at Emmanuel, as Director of Studies in German and as an adviser to BAME students, and to getting to know the Emma community more informally. My interests include walking (with dogs, on pilgrimages, on mountains), travel, growing plants from cuttings, singing and maintaining a list of the best cafés in the places I've lived.



Jessica Taylor, Roger Ekins Research Fellow, writes: I came to Cambridge in a rather convoluted way, beginning my working life in hospitality after dropping out of sixth form, because drama and classics A-levels unfortunately couldn't pay the bills. I worked my way up to managing my own pub in Manchester in my twenties and, although having a lot of fun, I decided that I should see what all the university fuss was about (wine might have been involved!). After being told by the University of Manchester that their access course was far too academically rigorous for someone with my CV, I was welcomed with open arms at the wonderful University of Salford to study biological sciences. I got hooked on biochemistry in my first year and was lucky enough to spend my penultimate year at AstraZeneca,

where I found a passion for automation and translation oncology. I met a girl on the bus in my final year who knew a professor at the University of Manchester who was after someone with my skill set to work on glioblastoma, an incurable adult brain tumour, so I forgave Manchester and allowed them to give me PhD.

After three years of research into adult brain tumours I decided that I just wasn't depressing people enough at parties, so I reached out to Professor Richard Gilbertson at CRUK's Cambridge Institute to continue my academic career in paediatric brain tumour research, where I am today. My current research focuses on medulloblastoma, the most common malignant brain tumour in children. Detailed analyses of gene-expression patterns in these tumours, coupled with studies of their response to treatment, has revealed four main disease subgroups. I study one of these subgroups, known as WNT-activated medulloblastoma, and how we can diagnose it less invasively and treat it in a way that is less harmful to the patient than the current standard of care.

WNT-medulloblastoma has a five-year survival rate of about 90 per cent; however, this cure comes at enormous cost to the child. The aggressive surgery, radiotherapy and chemotherapy can cause long-term side effects that can devastate each survivor's quality of life. My research over the next three years aims to design novel tumour-specific probes that will allow us not only to treat these children in a less harmful way but also to diagnose these tumours non-invasively. To design these probes, we need to get an idea of the most plentiful receptors, or targets, on the surface of the tumour compared with normal cells. To do this I am using a method of mapping the surface proteins on tumour cells, which will allow us to design labelled antibodies that bind to these cancer-specific receptors and avoid healthy ones.

Away from the lab, I am engaged in teaching, both as an undergraduate supervisor and, more practically, in the lab with my amazing graduate students; or you might find me paddleboarding down the Cam on the weekend with my pup.

Fellowship News

NEWS OF THE FELLOWS

Alex Archibald and his partner Rachel introduce baby Joshua Matthew. Born a very healthy 9lbs 6oz on 9 September 2021, Rachel and Alex are still on cloud nine and enjoying every minute of the adventure of parenthood.

Alan Baker has published with Bloomsbury Academic *The Personality of Paris: Landscape and Society in the Long Nineteenth Century*. He considers the role of immigration in the making of Parisians and in the city's growth from half a million people in 1801 to almost three million in 1911. He then examines the making of the city's distinctive landscape through the construction of monuments and architectural icons, through its massive re-modelling by Napoléon III and Baron Haussmann in the 1850s and 1860s; its world exhibitions in 1855, 1867, 1878, 1889 and 1900; its cultural emphasis on food, fashion and fun; and the ways in which Parisians sought rural release from urban pressures. Finally, Dr Baker ponders the self-harm done to the cityscape of nineteenth-century Paris by revolutions and wars, and the damage inflicted on it by twentieth-century hubristic politicians and architects.

Stephen Barclay has been promoted to a clinical professorship (former readership) in the Department of Public Health and Primary Care.

Giovanna Biscontin, who joined the Cambridge engineering department in 2013 and became an Official Fellow of Emmanuel in 2014, has departed to become the director of the Engineering for Civil Infrastructure program at the US National Science Foundation.

Peter Christopher has been elected a fellow of the Institution of Mechanical Engineers (IMechE).

John Harvey's five novels to date have been reissued in a new uniform paperback edition. They are: *The Plate Shop*, *Coup d'Etat*, *The Legend of Captain Space*, *The Subject of a Portrait* and *Pax*.

Julian Hibberd, with Research Fellow **Pallavi Singh** and colleagues in plant sciences, has developed a new process for combining embryonic tissue of grass-like plants to equip various species to benefit from different characteristics, as reported in *Nature* in December 2021. Taking root and shoot tissues from seeds, the team has grafted banana, rice and wheat plants together, with the aim to prevent disease and to increase tolerance of internal and external stress factors. The recent rapid acceleration of the appearance of diseases and pathogens, such as Panama disease or 'Tropical Race 4', has increased fears of shortage of bananas on a global scale. According to Professor Hibberd: 'We've achieved something that everyone said was impossible. Grafting embryonic tissue holds real potential across a range of grass-like species. We found that even distantly related species, separated by deep evolutionary time, are graft compatible.' The technique allows monocotyledons of the same species, and of two different species, to be grafted effectively. Grafting genetically different root and shoot tissues can result in a plant with new traits, ranging from dwarf shoots to pest and disease resistance.

Robert Jack has been promoted to a professorship (former readership) in the Department of Applied Mathematics and Theoretical Physics.

Joseph LaHausse de Lalouvière has been awarded the annual Article Prize (2022) for his article 'A business archive of the French illegal slave trade in the nineteenth century,' *Past & Present* **252**, 139–77, <https://doi.org/10.1093/pastj/gtaa026>.

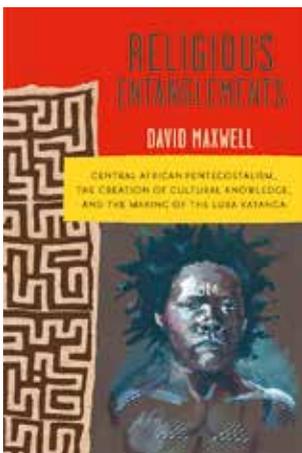
Since his retirement, **David Lane** has continued to play an active role in academic life. He has been elected a fellow of the Academy of Social Sciences and an honorary member of the European Sociological Association, has been awarded a certificate of honour by the Free Economic Society of Russia and remains a vice-president of the Society for Cooperation in Russian & Soviet Studies. He teaches as a visiting lecturer at Peking University and in Cambridge on the MPhil in sociology as well as supervises PhD candidates. He has regularly presented papers at the Moscow Economic Forum and has contributed to the journal *Alternatives* and the Valdai (Moscow) website. He has written widely on current issues of global politics and published *Changing Regional Alliances for China and the West* (with

G Zhu, 2017), *The Eurasian Project in Global Perspective* (with V Samokhvalov, 2015), *The European Union and World Politics* (with Andrew Gamble, 2009) and *Rethinking the 'Coloured Revolutions'* (with Stephen White, 2010). His major study, *The Capitalist Transformation of State Socialism: The Making and Breaking of State Socialism*, published in 2014, appeared in an updated Russian-language edition in St Petersburg in 2022. He has recently published articles in *The British Journal of Politics and International Relations*, *International Critical Thought*, *Third World Quarterly*, *Critical Sociology*, *New Political Economy* and *Mir Rossii* (Moscow). His current work, *Global Neoliberal Capitalism and its Alternatives*, will be published by Bristol University Press in 2023.

After a long association, he finally gave up his Arsenal season ticket in 2021 and spends most Saturday afternoons playing pickleball, a rather less competitive game than squash.

Dominique Lauga has been promoted to a professorship (former readership) in the Judge Business School.

Robert Macfarlane has been promoted to a professorship in the Faculty of English.



David Maxwell has published *Religious Entanglements: Central African Pentecostalism, the Creation of Cultural Knowledge and the Making of the Luba Katanga* (2022) with the University of Wisconsin Press. Under the leadership of William F P Burton and James Salter, the Congo Evangelistic Mission (CEM) grew from a simple faith movement founded in 1915 into one of the most successful classical Pentecostal missions in Africa, today boasting more than one million members in the Democratic Republic of the Congo. Drawing on artefacts, images, documents and interviews, he examines the roles of missionaries and their

African collaborators – the Luba-speaking peoples of south-east Katanga – in producing knowledge about Africa. Through the careful reconstruction of knowledge pathways, he brings into focus the role of Africans in shaping texts, collections and images as well as in challenging and adapting Western-imported presuppositions and prejudices. Ultimately, he illustrates the mutually constitutive

nature of discourses of identity in colonial Africa and reveals not only how the Luba shaped missionary research, but also how these coproducers of knowledge constructed and critiqued custom, and convened new ethnic communities. Making a significant intervention in the study of both the history of African Christianity and the cultural transformations effected by missionary encounters across the globe, *Religious Entanglements* excavates the subculture of African Pentecostalism, revealing its potentiality for radical sociocultural change.

Laura Moretti's latest book *Pleasure in Profit: Popular Prose in Seventeenth-Century Japan* (Columbia University Press) was named a 2021 Choice Outstanding Academic Title, on top of being shortlisted for the 2021 DeLong Book History Prize. In November 2021, she was invited to present her latest research at the Centre for Renaissance and Early Modern Studies at Queen Mary University, London: the talk has started a fruitful dialogue with early modernists who work on literary traditions other than those of Japan. In December 2021 she was also invited to give one of the Kyoto Lectures hosted by ISEAS in collaboration with the École Française d'Extrême-Orient and the Center for Research in Humanities of Kyoto University about her new research project on playful reading in early modern Japan. During the academic year 2021–22, she secured an important donation of early modern Japanese books to the Cambridge University Library, led a week of public events that featured master Tatekawa Shinoharu who performs traditional *rakugo* storytelling, established a collaboration with the National Museum of Japanese History and ran the Ninth Summer School in Early Modern Japanese Palaeography. From 1 October 2022, she has taken up the new title of Professor (former reader) of Early Modern Japanese Literature and Culture.

Okeoghene Odudu has been appointed Professor of Competition Law (former reader) in the Faculty of Law.

Amy Orben was promoted in November 2021 to the post of programme leader track scientist at the MRC Cognition and Brain Sciences Unit, a permanent position. Her work on the effects of social media on adolescence has been reported in numerous outlets including *Forbes*, *BBC News*, the *Daily Mail*, the *Telegraph*, the *Guardian* and the *New Statesman*.

Susan Rankin was appointed Lyell Reader in Bibliography at the University of Oxford for 2021–22. In May 2022 she delivered five lectures at the Bodleian

Library, entitled 'From memory to written record: English liturgical books and musical notations, 900–1150'. The lectures were instituted in 1952 by a bequest from the solicitor, book collector and bibliographer James Patrick Ronaldson Lyell (1871–1948) and is considered one of the major British bibliographical series (along with the Panizzi lectures at the British Library and Sandars lectures at Cambridge University). This was the second series of Lyell lectures on a musical topic: a previous musical series was given in 1973–74 by Alan Tyson, Fellow of All Souls College, on Beethoven sketches.

The first Lyell series is perhaps the most famous: in 1952 Neil Ker delivered lectures on 'English manuscripts in the century after the Norman Conquest' (published as a monograph in 1962). It was Professor Rankin's intention to create a parallel series, dealing with musical scripts and notations to sit alongside Ker's exemplary volume. Although, eventually, she needed to start from the Leofric missal (Bodleian Library Bodley 579), made at Canterbury c 900, the last two lectures were indeed focused on the impact of the Norman conquest on English musical practice and musical records. This led her to an unexpectedly exciting conclusion, when she was able to demonstrate that a scribe writing in a series of Winchester manuscripts was not only a cantor from Rouen (who must have arrived in 1070 with the newly appointed Bishop Wakelin), but also none other than the main scribe of the Great Domesday book.

Professor Stephen Oakley will follow Professor Rankin as a Fellow of Emmanuel; he has been invited to give these lectures in 2024.

Fiona Reynolds writes: 'I have taken on two new jobs to fill the hole in my life left by leaving Emmanuel in October 2021. The first is as chair of the National Audit Office, which is significantly more thrilling than it sounds, especially in these lively political times; the second is as chair of the governing council of the Royal Agricultural University, which is five minutes away from my home, just outside Cirencester. It meets my need for interaction with students and caring for historic buildings, as it juggles the demands of being an entire university while being the same size as Emmanuel. Its mission to train the next generation of land managers and farmers is close to my heart. I have kept two roles in Cambridge: chairing the Botanic Garden Syndicate and the Bennett Institute for Public Policy, both of which are fascinating and hugely effective organisations. These bring me back to Cambridge, and of course Emmanuel, reasonably often, and it's been wonderful to stay in touch informally while watching Doug settle magnificently into the role of Master.'

Matt Seah received one of the ESCCEO-IOF Young Investigator Awards at the World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases. The award is given for contributions to the field of bone and mineral research.

Harriet Dahan Bouchard



Professor Liesbeth van Houts in a recently commissioned portrait.

Liesbeth van Houts has retired after 25 years as a college teaching officer in history. Her outstanding work as a medieval historian gained her a LittD from the University of Cambridge and appointment as Honorary Professor of Medieval European History by the General Board on the recommendation of the history faculty. She is completing a project, funded by the Leverhulme Trust, on 'the literary heritage of Anglo-Dutch relations, 1050–1600', a collaboration between the University of Bristol and Cambridge, and is now writing a biography of Empress Matilda for the Yale English Monarch series.

Bettina Varwig has been promoted to Professor of Music History (former reader). Her edited volume, *Rethinking Bach*, came out with Oxford University Press in 2021.

Penny Watson writes: '2022 is the year in which I am taking early retirement from the university and thus relinquishing my college Official Fellowship and duties. After 20 years of directing studies for the vets and 11 years as a college Tutor, I shall really miss being at the centre of things at Emma. I am, however, very grateful to be made an Emeritus Fellow, which will allow me to visit like an elderly relative keeping in touch with family including, I hope, annual visits for the vets' dinner that I started early in my time as Director of Studies and that has grown into a very enjoyable event for students and Emma members alike.

'Over the past 29 years working at the vet school I have loved my clinical work, teaching and clinical research, but what really kept me in Cambridge was the

college. I became the first Emma Bye-Fellow in 2002, early in Richard Wilson's Mastership, and it was Richard who invited me to become an Official Fellow in 2011, just as his term as Master was finishing. I became a Tutor just as Fiona Reynolds took over as Master and remained one until Fiona finished. I am now retiring just as Doug Chalmers has started: there is some long-term "masterly" symmetry here. There is never a "perfect" time to leave any teaching post. This is particularly true for a six-year course: I will always be leaving some of my students "half-way through", which is difficult for me and (possibly) difficult for some of them. Seeing generations of Emma vet students move from interview through the rigours of the undergraduate course up to the vet school to be transformed into fledgling vets and then fly the nest into varied and successful careers has been one of the best parts of the job for me. I am passing the reins to a younger, more energetic, very well qualified replacement in Cassia Hare and wish her well in all the ups and downs of vet DOS-ing. Looking back at my photograph in the 2002 edition of the *Magazine*, when I became a Bye-Fellow, I remember that energy and enthusiasm and know it is time for new blood.

I shall be pleased to stop clinical work after 33 years of clinics and on-call duties. In the age of corporate veterinary practices and full-time out-of-hours providers, there are very few of our graduates who can say they have spent their entire career on an on-call rota. So much for the "ivory towers" of academia. However, I will not stop work altogether: I look forward to continuing some lecturing to vets all over Europe for their continuing professional development, and to editing and writing chapters for books, together with tying up all that clinical research that I never had time to finish. We have a house in one of the most beautiful parts of France in Haute-Savoie and will move there for a trial period to decide whether a move for the longer term will work for us and the family. We will welcome visits from college friends. Moving will keep me busy and stop me missing Emma too much – at least, that is the hope!

Stephen Young has been appointed CBE in the Queen's Birthday Honours for services to software engineering. He is professor emeritus of information engineering and Life Fellow of Emmanuel. His research concerns spoken language systems including speech recognition, speech synthesis and dialogue management. He is the original developer of the HTK Toolkit for building hidden Markov model-based recognition systems. He led the team that developed the HTK Large Vocabulary Speech Recognition System. He has published, as author and co-author, more than 200 papers as well as books and edited volumes.

FELLOWS' BOAT REVIVED

Pete Twitchett



The revived Fellows' boat on the Cam, from bow to stern: Ayşe Zarakol (bow), Tim Glover, Jeremy Caddick, Doug Chalmers, Simon Lebus, Helen Chalmers, Matt Seah, Jon Simons (stroke), Cam Lardy (cox)

'Have you thought about rowing?' It has been many years since the last Fellows' boat was organised by Finian Leeper. Sometime into the second decanter one evening in the Parlour, its latest revival was devised by Amy Orben, Cam Lardy and Matt Seah. Since then, many unsuspecting Fellows have been cajoled and harangued at High Table, and some of the excuses have been memorable. But, sated by their labours in library and laboratory, the call was answered by Jeremy Caddick, Devon Curtis, Tim Glover, Simon Lebus, Jon Simons and Ayşe Zarakol.

With persistent, irrational optimism, the Fellowship found that their craving for the boathouse was too strong to bear. And more Fellows were persuaded to come along to training sessions, or at least were persuaded to send along their regrets. Doug and Helen Chalmers pushed off the boat at the maiden outing and were rowing in the second. With assurances that no-one would notice his rowing in the bow seat, Mark Gales also joined the fray soon after.

With no early mornings or wet-weather outings and promises of croissants after rowing, most times we even managed to get eight Fellows in the boat! A big thank you has to go out to the Boat Club and the students for supporting our endeavour as we often had students sub into the crew. The climax of the year was Xpress Head, a successful race on the Cam, and we look forward to more in the next academic year!

Matt Seah, *Herchel Smith Teaching & Research Fellow in Medicine*

NEWS OF HONORARY FELLOWS

Lawrence Bacow has announced that he is stepping down as twenty-ninth president of Harvard University at the end of the 2022–23 academic year. The *Harvard Gazette* reported: ‘Having led Harvard through the pandemic, Bacow is also credited with advancing the university’s academic mission and encouraging efforts to bring disciplines together to tackle complex global challenges such as the climate crisis. He has served as a passionate advocate for the free exchange of ideas and for international students and scholars, and has set Harvard on course for a more equitable, diverse and inclusive future while reckoning with its history. Under his leadership, Harvard also has made progress on its growing campus in Allston, including steps to bring the American Repertory Theater to the neighborhood, and has launched innovations in teaching and learning to enhance opportunities for both on-campus students and remote learners.’

Peter Beckwith and his wife Vivien have established a new charity, the Peter and Vivien Beckwith Young Musicians Trust, to benefit young musicians in both the United Kingdom and Italy through scholarships and bursaries.

Geoffrey Crossick has finished eight years as chair of the Crafts Council. He continues to serve on the boards of the National Film & Television School and the Guildhall School of Music & Drama. He was awarded an honorary doctorate by Manchester Metropolitan University for ‘your major contribution to higher education and your leadership in the arts and humanities’.

Roderick Floud continues to work on an economic history of Britain since 1660, to be published by Penguin.

Conor Gearty is serving as vice-president for social sciences at the British Academy.

With the receding of Covid-19, **Jane Ginsburg** was able to receive in person an honorary doctorate (approved in 2020) from the University of Neuchâtel, Switzerland. She has also been named an ambassador of the University of the Salento in Puglia, Italy. She writes: ‘Teaching during 2020–22 at Columbia has run the gamut from complete remote instruction, to hybrid with much social distancing for students physically present, to students and teachers together, but wearing masks. I’m hoping that next year will return to “normal”, whatever that will mean.’

Edith Heard received an honorary doctorate from the University of Cambridge on 22 June 2022. She is currently professor of epigenetics and cellular memory at the Collège de France and director-general of the European Molecular Biology Laboratory. Her laboratory works on epigenetic processes in mammals, and on chromosome biology and the role of non-coding RNAs, chromatin structure and nuclear organisation in the establishment and maintenance of differential expression patterns. Other recent honours include the Hansen Family Award (2019), election to the Senate of the Max Planck Society (2020) and the L'Oréal-UNESCO Women in Science International Award (2020).

Dennis Lo has received the 2022 Pioneer Award from the International Society for Prenatal Diagnosis (https://ispdhome.org/ISPD/Conference/Awards_Pioneer.aspx).

Curtis McMullen served as chair of the mathematics department at Harvard University from 2017 to 2020. Harvard hosted a three-day conference on his work in June 2022. The full title was 'The circle at infinity: an international colloquium in honor of Curtis T McMullen' (<https://www.math.harvard.edu/event/the-circle-at-infinity-a-celebration-of-the-mathematics-of-curtis-t-mcmullen/>).

Eldryd Parry has been elected an honorary fellow of the Royal College of Physicians and Surgeons of Glasgow.

Andrew Petter has been admitted to the Order of British Columbia, the Canadian province's highest civilian honour, for his leadership and impact on public policy, advanced education and community betterment. This honour follows his admission to the Order of Canada in 2019. He has also been awarded an honorary Doctor of Laws from Simon Fraser University for his lifetime contributions to the province in academia, law and politics, as well as his transformative impact on post-secondary education in British Columbia and beyond.

NEWS OF BYE-FELLOWS

Sarah d'Ambrumenil had a son in September 2021, James Rupert William Payne.

Deepak Jadon writes of his research group in rheumatology: 'This year has seen the publication of two important management guidelines/recommendations for psoriatic arthritis (PsA), to which my research group has contributed. Skin psoriasis affects two per cent of the UK population, and up to a quarter of patients develop an associated arthritis of the spine or peripheral joints, termed PsA. It is therefore estimated that over 250,000 people in the UK are affected. The impact of these two guidelines is therefore significant.

'The Group for Research & Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA)'s "Recommendations for the management of psoriasis and PsA" were published in *Nature Reviews Rheumatology* in June (<https://www.nature.com/articles/s41584-022-00798-0>). It was a multi-national effort, involving rheumatologists and dermatologists from all continents. It encourages patient involvement to set goals for what they wish to achieve from their treatment, a multi-specialty and multi-disciplinary approach to care, and a treat-to-target approach aiming for disease remission, given the effectiveness of current and emerging advanced treatments.

'The British Society of Rheumatology has also published its own guidelines, which align and complement the GRAPPA recommendations (<https://pubmed.ncbi.nlm.nih.gov/35640657/>).'

NEWS OF FORMER FELLOWS

Tom McLeish FRS, professor of natural philosophy in the department of physics at the University of York, has published *Soft Matter: A Very Short Introduction* with Oxford University Press (2020). OUP is also bringing out a revised edition of his *The Poetry and Music of Science* (2019), with a new chapter on poetry and science, which emerged from the book's first launch event at Emmanuel. He has been appointed 'canon scientist' at St Alban's Cathedral and gave the Boyle Lecture on Science and Religion in 2021.



News of Members

‘Once a member, always a member’. We are always grateful to receive information about Emma members, either from themselves or others: we’re keen to build up an archive about members’ lives and find that many are interested to learn news of their contemporaries. So do send in details about careers, families and pastimes as well as degrees, honours and distinctions; please don’t feel that anything is too ‘ordinary’ or ‘boastful’. It would be helpful if you could give your matriculation year when sending your news, and phrase it in such a way that we can publish it with minimal editing. If you would like to write more than around 100 words, please get in touch beforehand so we can discuss with you what would be best. The email address to use is records@emma.cam.ac.uk, or you can use the form at <https://www.emma.cam.ac.uk/keepintouch/>.

We do all we can to ensure that everything we publish is correct, but as we depend on a variety of sources we cannot guarantee the accuracy of every last word and date. We welcome corrections and additions, so please send them to us. We print below news that has been received up to 31 August 2022.

- 1959 **Shahid Hamid** has presented the library with a copy of his book, *Treasured Memories* (2021).
- 1960 **The Reverend Dr Jock Stein** contributed an article on ‘The Christian approach to interest’ to *Ethical Discourse in Finance* (2021), revisiting his original training in economics at Emma with Hans Liesner in 1961. Dr Stein was also the first to graduate in a new PhD programme at Glasgow University in research through creative practice in theology and the arts. He wrote poetry on all the psalms and a thesis on ‘Temple and tartan:

psalms, poetry and Scotland', which brings together poetry, philosophy, Scottish history and contemporary politics.

1967 **Professor David Hughes** has presented the library with his publications: *The Grand Organists of United Grand Lodge, 1813–1900: A Biographical Study* (2021), 'Sir Arthur Sullivan: some Masonic connections', in *Sir Arthur Sullivan Society Magazine* **108** (2022), 'The Holmes Temple: construction and symbolism' and 'The significance of the portraits in the Holmes Temple', in *Transactions of the Lodge of Research*, **2429** (2020–21).

1969 **Professor Sam Lieu** has been elected member of the Academia Europaea.

1970 **Professor David Young** has published *Beethoven Symphonies Revisited: Performance, Expression and Impact* (2021); he has presented a copy to the library.

1971 **Murray Watts** published *Anthem for Life: The Beauty and Wonder of Psalm 23* (2021).

1972 **Harry Potter** has had a Chinese translation of his book, *Law, Liberty and the Constitution: A Brief History of the Common Law* (2015), published by Peking University Press. The same press will also publish a Chinese version of *Shades of the Prison House: A History of Incarceration in the British Isles* (2019). This year he published *Alexander Paterson: Prison Reformer* (2022), the first biography of the noted prison commissioner responsible for many ameliorations and innovations in the prison service between 1922 and 1946.

Professor Trevor Price has been elected a Fellow of the Royal Society in recognition of his work on the origin of species, the underlying reasons for the restricted geographical ranges of species and the effect of human activity on them.

Dr William Tobin has presented the library with a copy of his publication, *I'm Standing! William Tobin, Candidate for Uxbridge & South Ruislip Borough Constituency, UK General Election, 2019 December 12* (2020).

1974 **The Honourable Mr Justice James Douglas** retired as a judge in February 2020 and has now been appointed a member of the Royal Commission into Defence and Veteran Suicide in Sydney, Australia. It has been an interesting change of roles, from adjudicating to taking part in a task force trying to solve a problem.

Dr Paul Jennings has published *Working-Class Lives in Edwardian Harrogate* (2021). The book's release was accompanied by an exhibition at the Royal Pump Room Museum in Harrogate.

1980 **Dr Piers Copham** competed in the twenty-third Mini Transat race. Created in 1977 to emulate the adventurous spirit of the first transatlantic voyages, the race takes place in two stages. This year the sailors started in the town of Les Sables-d'Olonne, France, with a stopover in Santa Cruz de La Palma in the Canary Islands, before arriving in Saint-François, Guadeloupe. Piers crossed the finish line of the second leg of the race in fifteenth place in the Prototype fleet on Sunday 14 November. His combined race time for the two legs was 28 days 21 hours 49 minutes and 25 seconds.

1981 **Nick Chambers** is easing into retirement by building a rum distillery on Camiguin Island in the Philippines, before heading back to the UK in 2022.

1982 **Professor Christopher Tout** (Institute of Astronomy) has been awarded a Pilkington Prize 2022 by the Cambridge Centre for Teaching and Learning. The prize was initiated by Sir Alastair Pilkington, who believed that the quality of teaching was crucial to the university's success. It is awarded annually to members of staff in recognition of their contributions to teaching excellence.

Professor Brenda Yeoh, Raffles Professor of Social Sciences and director for humanities and social science at the National University of Singapore, has been awarded the international Vautrin Lud Prize 2021, widely regarded as the Nobel Prize in geography.

1984 **Professor Clare Pettitt** has been elected to the Grace 2 Chair in the Cambridge English Faculty. She is moving from King's College, London, where she was Professor of Nineteenth-Century Literature & Culture. Her most recent books are *Serial Forms: The Unfinished Project of Modernity 1815–1848* (2020) and *Serial Revolutions 1848: Writing, Politics, Form* (2022). We are delighted that she'll become a Fellow of Emmanuel when she takes up her post in January 2023.

1986 **Dr Fraser Birrell** has been appointed honorary clinical senior lecturer in lifestyle medicine and innovation at Newcastle University.

JuG Parmar and his wife, Dr Maggie Parmar, hosted a wedding celebration at college on 3 September 2022.

1987 **Dr Julian Philips's** new CD, *Melodys of Earth and Sky*, was released on NMC Recordings in March 2022. The piece is a sequence of creative transcriptions of nine folk tunes collected by poet John Clare from books of fiddle tunes in the 1820s. The music is performed by clarinettist Kate Romano and violinist Ionel Manciu in collaboration with actor Toby Jones, whose readings of poems and prose by Clare break up the musical sequence.

1991 **Dr Mike Evans** has made a career change: after two years undertaking an MTeach degree in secondary education at the University of New South Wales, he has become a high school maths teacher. Mike is teaching at his old high school, Cranbrook, a private boys' school in Sydney.

Henrietta Hill QC has been appointed a justice of the High Court. She took up the appointment on 11 January 2022 and is now known as The Honourable Mrs Justice Hill.

1992 **Samuel Kenyon** is planning for the publication of his first novel, *I Am Not Raymond Wallace*, in September 2022 by Inkandescent. It is a tale, with many strands, of queer redemption, spanning multiple generations.

Alice Strang has joined the auction house Lyon & Turnbull as a senior specialist in modern and contemporary art. In May 2022 she gave a talk on Zoom for the Emmanuel Society, in which she led a discussion on 'An (almost) A to Z of modern Scottish women artists'.

1994 **Julie Kleeman** has published a cookery book, *Taste Tibet: Family Recipes from the Himalayas* (2022), having won the Yan-Kit So Memorial Award for Food Writers on Asia in 2019. *Taste Tibet* is a collection of over 80 recipes from the Tibetan plateau, guiding today's home cook to create comforting soups, hand-pulled noodles and Tibet's legendary momo dumplings.

Dr Karen Ottewell was appointed junior esquire bedell at the University of Cambridge in May 2022. In August, she became the senior esquire bedell.

1997 **Julissa Reynoso** was confirmed by the Senate as United States ambassador to Spain and Andorra on 18 December 2021. She was previously the chief of staff to First Lady Jill Biden and, from March 2012 until December 2014, served as United States ambassador to Uruguay.

1998 **Robert Weekes** was appointed Queen's counsel at a ceremony held at Westminster Hall on 21 March 2022 by the Lord Chancellor.

1999 **Faith Salih** has taken up the role of senior lawyer at the Quality Care Commission.

2000 **Rebecca Lowe** published *The Slow Road to Tehran: A Revelatory Bike Ride through Europe and the Middle East* in March 2022. Rebecca rode her bicycle over 11,000km and three continents through Europe to Turkey, Lebanon, Jordan, Egypt, Sudan, the Gulf and finally to Iran.

2003 **Dr James Aitcheson** has received his PhD in creative writing from the University of Nottingham. His thesis explores historical fiction and its nature, construction, objectives, responsibilities and possible future directions. He has also started new roles lecturing in creative writing at Sheffield Hallam University and the University of Nottingham.

2005 **Elliott Sully** and his partner Brigid have welcomed a baby boy, Edmund.

2008 **Jessica Cherry** welcomed a baby daughter, Eve, who weighed 5lbs 15oz, a little earlier than expected on 9 October 2021.

Anna Danreuther married Tim Cochrane on 16 July 2022 in the college.

- 2010 **Anna Seigal**, assistant professor of applied mathematics, has joined the faculty of the Harvard School of Engineering. Anna’s research in multilinear algebra, applied algebraic geometry and algebraic statistics is focused on finding mathematical abstractions that enable us to understand information better.
- 2012 **Molly Hunt & Jake Tobin** were married on 6 August 2022 in the college.
- 2013 **Justina Treigyte** has started a new role with TikTok’s European public policy and government relations team, based in Brussels.
- 2015 **Aoife Blanchard** has been accepted for an internship with the intergovernmental affairs team of the UN environment programme in New York from June to November. This follows her year at Harvard as a Herchel Smith scholar.

Freya Clarke has been promoted to associate at Allen & Overy.

Carly Enright has been promoted to assistant psychologist at Change Grow Live.

Bobby Seagull appeared on *The Apprentice: You’re Fired* for the show’s first episode in two years. Having been a fan of *The Apprentice* for years, Bobby enjoyed joining the panel for the aftershow.

Frankie Tamblyn has started a new position as Rockstar Energy brand manager at PepsiCo.

Natasha Wilson has won the IMeche Scholarship Visionary Award 2020 for her drive to use engineering skills for positive impact in international development. Working for the Smart Village Research Group, she has been leading energy access and rural development projects in Kenya and the Maasai regions of Tanzania over the past two years. For the academic year 2022–23, she will be developing her understanding of international development at Harvard, which has been made possible by Emmanuel’s Herchel Smith scholarship.

- 2019 **Sophie Rhodes** celebrated her wedding in college on 18 September 2021.

FREDDIE DAVIDSON



Freddie Davidson (Emmanuel Boat Club first men's eight in 2017, 2018 and 2019 and president of the University Boat Club 2019–20) raced as stroke of Great Britain's coxless four at World Cup I in Belgrade, Serbia in May 2022. The four raced exceptionally well, winning their heat, semi-final and final to take the gold medal. Following this, his crew went on to race at Henley Royal Regatta, where they lost in the final of the Stewards' Challenge Cup by one foot to Rowing Australia, a crew that included three Olympic gold medallists from the Tokyo games. Freddie finished the season in July by reversing this result and beating Rowing Australia at the final World Cup regatta in Lucerne, Switzerland. We wish him every success in his build up for selection to the 2024 Olympic Games in Paris.

News of Staff

Paul Bass, Deputy Head Porter, will be retiring at the end of 2022 after 34 years at the college. He arrived on 1 February 1988. He spent his initial years in the garden department, rising to deputy head gardener. In 2009 he moved to the Porters' Lodge, where he has been a genial, relaxed and effective presence, embodying the qualities for which the Lodge is known and admired.

Amanda (Mandy) Shepard continues to serve at High Table after an even longer period at the college. She arrived on 24 November 1986 as a casual member of the catering department. She has worked alongside a number of butlers and three department heads, serving generations of Fellows and many a prestigious guest. While at the college, she married and had three children: Claire, her eldest, a student at Stansted College, began working as a casual this year.

Finn O'Dowd, building technician, is a relative newcomer: he received a certificate on 28 February 2022, the twenty-fifth anniversary of his arrival at the college.

Finally, as head gardener Brendon Sims discusses in his article in *Views*, two members of the garden department excelled this year in the Young Horticulturalist of the Year competition, sponsored by the Chartered Institute of Horticulture. Both **Jonathan Strauss** and **Douglas Day** reached the regional finals. Jonathan was named the region's Young Horticulturalist of the Year and went on to come third in the national competition: as Brendon writes, 'an incredible achievement'.



Clubs and Societies

Clubs and Societies

ASSOCIATION FOOTBALL CLUB

	2021–22	2022–23
<i>President</i>	<i>Lucas Pangaro</i>	<i>Kamran Gill</i>
<i>Captain 1st XI</i>	<i>Joseph Hill</i>	<i>Marcus Ahmad</i>
<i>Captain 2nd XI</i>	<i>Scott Irvine</i>	<i>George Winder</i>
<i>Captain 3rd XI</i>	<i>Chris Price</i>	<i>Edward Allen</i>
<i>Club secretary</i>	<i>Kamran Gill</i>	<i>Finian Reid</i>
<i>Social secretary</i>	<i>Tom Driver</i>	<i>Caspar Slee</i>
<i>Kit secretary</i>	<i>Damola Odeyemi</i>	<i>Nathaniel Kemp</i>
<i>Tour secretary</i>	<i>Sam Russell Lewis</i>	<i>Consti d'Orléans</i>

Our return from a Covid-plagued season started strongly with a pre-season tour to Glasgow. Despite losing to Glasgow Medics FC, the tour provided a much-needed opportunity for players from across the three teams to bond and reconnect. Across the four days, club members made a concerted effort to sample the local culture in the form of 'Mad Dog', 'Buckfast' and 'Sub Club'.



Emmanuel firsts at the match with Kings, a 7–2 victory for Emma, their best performance of the season



The association football club players on tour in Glasgow

Turning to the club's League form, the first eleven narrowly missed out on promotion with a third-place finish. The standout performance was a liquid display against King's, which ended in a 7–2 victory. In contrast, the second eleven was successful in their search for promotion, with a second-place finish that saw them advance to Division 3. Scott Irvine, second's captain, led his men by example and was duly recognised as player of the season. Most impressive was the performance of the third eleven, as they matched the League leaders on 22 points but narrowly missed the winner's medal by a goal difference of two. Nonetheless, the second-place finish saw them reach the heights of Division 5, and with Edward 'El Matador' Allen elected as their new captain there seems to be no limit on their future success.

Special thanks go to club captains Joseph Hill, Scott Irvine and Chris Price, as well as club secretary Kamran Gill and president Lucas Pangaro. This season has seen incredibly strong performances across all three teams. As a result, there is huge optimism that the forthcoming committee will only build on these recent successes.

Kamran Gill, *Club secretary*

BADMINTON CLUB

	2021–22	2022–23
<i>President</i>	<i>Andy Yang</i>	<i>James Lester</i>
<i>Women's captains</i>	<i>Juliet Anderson</i> <i>Charlotte Hodgkinson</i>	<i>Tierney Wait</i> <i>Juliet Anderson</i>
<i>Open captains</i>	<i>Neel Maniar</i> <i>Daniel Yue</i>	<i>Eli Jay</i> <i>Neel Maniar</i>

Being the president of the Emma Badminton Club for 2021–22 has been both a privilege and a joy. We are a diverse and friendly group, with college members ranging from freshers to doctoral students all playing together. In a typical week, between 30 to 40 students were partaking in Emma badminton, making the club one of the largest communities in the college.

The club runs casual sessions for all abilities, has three teams competing in intercollegiate Leagues and organises weekly sessions for players looking to improve. We also took part in intercollegiate Cuppers, where our open team convincingly defeated Girton to reach the quarter-finals, only to fall honourably to a brilliant St Catharine's outfit. The women's team was also eliminated in the quarter-finals, after a tough defeat to Trinity College. Both of our teams put up a great fight, and we go again next year!

I am proud of the number of new players we have attracted, with record numbers donning our iconic Emma badminton stash. However, I am most proud of the incredible job my captains Juliet, Neel, Daniel and Charlotte have done throughout the whole year. They have all worked hard to field three teams representing Emmanuel every week, rain or shine. The captains have each written about their teams below.

Women's team

Post Covid-19 we had an entirely new team comprised of both beginners and experienced players alike, meaning it took a bit of time to find our feet during Michaelmas term. But come Lent, the growing familiarity among the players led to much slicker matches and greater success. Now, with a team adjusted to playing together and plans for more intense training next year, I can't wait to play again next season! I would like to thank everyone on the team that played in a match this year: Tierney Wait, Laura Clapham, Melissa Whittlestone, Mary Caulfield, Amy Stretch, Barbara Walkowiak, Heidi Clark and many more. It was



The badminton club, left to right. Front row: James Lester, Daniel Yu, Neel Maniar, Andrew Yang, Juliet Anderson, Yilong Chen, Tuhin Varshneya. Back row: Rosalind Mackey, Dewei Tan, Eli Jay, Zak Cannon, Eduard Hueffler, Mungo Aitken, Laura Chapman, Tierney Wait, Jennifer Hu

thanks to all of your commitment and enthusiasm that matches were possible, and I hope you enjoyed them as much as I did. I'd also like to thank the rest of the badminton committee for their hard work and good vibes, especially Andy Yang, for being so on top of organising things and for their overall enthusiasm about the club.

Juliet Anderson, *Women's captain*

Open firsts

Open firsts have been the subject of a redemption arc this year. In Michaelmas term, the post-Covid-19 misfits lost game after game, resulting in a humiliating double demotion. But the team doubled down during the Christmas holidays, training every single day (I'm sure) before returning as a new force. Lent term was a completely different story: we dominated the division, emerging at the top like a phoenix from the ashes. After such an exciting first year, I'm really looking forward to what the new year brings us! I'd like to give special thanks to the previous captain, Tuhin Varshneya, for his guidance. I'd also like to thank the whole badminton committee for going the extra mile and making sure that matches and training happened seamlessly. Many thanks also to Henri Drousseau and Robbie Hodgeon for helping with court bookings and providing shuttles.

Neel Maniar, *Open captain*



Men's badminton, left to right. Front row: Tuhin Varshneya, Neel Maniar, Eli Jay. Back row: Henri Duroisseau, Robbie Hodgeon, James Lester



Women's badminton, left to right: Athena Ganesh, Artemiz Van den Broucke, Cerys Llewelyn, Charlotte Hodgkinson, Riya Patel, Juliet Anderson, Laura Clapham

Open seconds

At the start of Michaelmas term, despite a consistent pre-pandemic performance, Emma badminton open seconds were inexplicably knocked down to the bottom seed of the bottom division by the League admins. Refusing to be unjustly condemned to such mediocrity, we fought back to win an impressive 62 games, finishing with seven match wins and four match losses, and securing a promotion for next year's League. As a team open to all abilities, we saw many members making their League debuts. As the team captain I have greatly enjoyed introducing the excitement of competitive badminton to as many players as possible, as well as making lasting friendships along the way. I wish the team the best of luck for next year's League!

Daniel Yue, *Open captain*

To finish

I'd like to give my personal thanks to Daniel Yue for being a brilliant role model to the other captains and myself. Daniel's advice as a former president was invaluable help for me and I cannot state enough how much the club owes to him. Best of luck for life after Emma! I'd also like to thank our treasurer Ben Blaker for great vibes, fighting suspicions of embezzlement and (occasionally) reimbursing my captains and me on time. Being part of Emma badminton has been one of the highlights of my year. The court has hosted some of the year's best laughs as well as most intense moments, and I am just so proud of everybody. So, for the last time, it's lots of badminton love from me.

Andy Yang, *President*

BOAT CLUB

	2021–22	2022–23
<i>President</i>	<i>Dame Fiona Reynolds</i>	<i>Doug Chalmers</i>
<i>Captain of boats</i>	<i>Abi Cox</i>	<i>Luca Smith</i>
<i>Women's captain</i>	<i>Abi Cox</i>	<i>Erica Humbey</i>
<i>Men's captain</i>	<i>Max Stockdale</i>	<i>Luca Smith</i>
<i>Secretary</i>	<i>Charles Powell</i>	<i>Charles Powell</i>
<i>Vice-captains</i>	<i>Daniil Soloviev</i>	<i>Henno Martin</i>
		<i>Annabel Cardno</i>
<i>Coxes' captain</i>	<i>Anya Brown</i>	<i>Grégoire Denjean</i>
<i>Women's lower boat captains</i>	<i>Lucy Ashton</i>	<i>Emily Sissons</i>
	<i>Kathryn Skazick</i>	<i>Freya Clarkson</i>
	<i>Gemma Swan</i>	<i>Amy Stretch</i>
<i>Men's lower boat captains</i>	<i>Frank McMullan</i>	<i>Rob McPherson</i>
	<i>Jack Hepworth</i>	<i>Perry Lewis</i>
	<i>Gorak Rajesh</i>	<i>Grégoire Denjean</i>
<i>Junior treasurer</i>	<i>Callum Mantell</i>	<i>Callum Mantell</i>
<i>Small boat captain</i>	<i>Carina Graf</i>	
<i>Social secretary</i>	<i>Helen King</i>	<i>Amelie McKenna</i>
		<i>Duncan Riley</i>
<i>Welfare officer</i>	<i>Rose Arbuthnot</i>	<i>Gemma Swan</i>
<i>Shop managers</i>	<i>Megan Hardy</i>	<i>Rose Arbuthnot</i>
	<i>Ben Miller</i>	
<i>Member relations</i>	<i>Tom Eveson</i>	<i>Elise French</i>

Women's squad

Michaelmas term got off to a rocky start, with the knock-on effects of the pandemic showing. With only six experienced rowers returning, we had a struggle to fill our women's first boat. Finally getting the crew together, W1 raced Winter Head, finishing as the tenth-placed college, and were placed sixth in Fairbairn's, beating many other strong crews. The women's second boat progressed over the term, also racing Winter Head, finishing as the ninth-placed lower boat, and pushing through in Fairbairn's, where they finished as eleventh-placed W2. We also had two women trialling: Carina Graf and Lucia Trevisan.



W1 victorious at Bedford



W4 with their blades, left to right: Gemma Swan (lower boats captain), Emma Jennings, Pauline Pfuderer, Emily Tapley, Dorottya Fricska, Isabel May, Lucy Randall, Sarah Shi, Qian Wang, Bei Le Ng, Kathryn Skazick (lower boats captain)

After a busy term of rowing, we decided to have some fun and enter a mixed W1/W2 crew into Christmas Head. Dressed as characters from *The Grinch*, we had a fantastic row down the course and finished as the top college eight.

We returned for Lent term, and with a fresh cohort of keen ex-novices we were raring to go! Our training camp was an ideal opportunity to integrate the novices

and seniors, and it had a true feeling of club spirit. Only one week after crews were set, W1 and W2 raced Winter Head to Head. Pushing hard through both 2km pieces, W1 secured a strong third place and W2 placed fourth in their division. With a good result secured, we raced Newnham Head with confidence. Despite the strong head wind, W1 gave it their all and finished in first place, our first win of the year! W2 faced the worst of the weather conditions, making it up the windy reach and showing the progress they'd made through the term. W3 had slightly better conditions and a great race debut, finishing fourth in their division.

W1 then turned our attention away from the Cam, racing at Bedford Head. We flew to victory as the fastest women's eight on the river. The atmosphere was amazing, and it was so lovely to have the opportunity to row off of the Cam.

With the cancellation of Pembroke Regatta, our next big event was Lent Bumps. W1 pushed hard each day and rowed over, narrowly missing a bump on Jesus. The boat finished the week in fourth position, where they had started. W2 had a tough bumps campaign. Starting as the top W2, moving up the division was difficult and the boat was bumped three times, moving to position 11 in the second division. They still maintained their position as the top W2 on the river. W3 had a great campaign, moving up two positions to sixth in the third division and maintaining their place as top W3 on the river.

With Bumps over, W1 had one final race in Lent term: WEHORR (Women's Eights Head of the River Race) on the Thames. We had an easy row up to Hammersmith Bridge, but coming round the bend, we discovered what true tideway rowing is! Overall we came one-hundred-and-third, having overtaken four crews around us. We had a fun day out.

Over the Easter vacation, Carina Graf competed in the Boat Race with Blondie, the University Women's Boat Club reserve boat. They had a very successful race, beating Oxford's Osiris by three-and-a-quarter lengths, in a time of 19:09.

We returned for a Mays training camp, the perfect opportunity to hit the ground running and perfect our technique for the term to come. W1's first race was Head of the Cam, which we raced and won as a four. W1 then went to Bedford, where we won both the open and the college category of Bedford Amateur Regatta, showing our strength as a crew. While W1 was preparing for Bedford, W2 was preparing for St Radegund's Mile the day after. They flew through the course and sailed to the top position in their division. We then raced Champs Eights Head, with all eight Emmanuel crews racing. We had a fantastic day! W1 won fastest women's crew, W2 were second in their division, W3 were the fastest third boat, and W4, with their novice cox, had a very strong first race.

The women's side had a great week in the May Bumps. W1 bumped Jesus on the first day, a feat that the club had sought for too many years, but then the boat was unfortunately bumped by Caius on the third day, leaving them in third position on the river. They had a fantastic row over on day four, denying Pembroke their blades. W2 was sadly bumped by Lucy Cavendish and Sidney Sussex W1; however, they remained the top second boat on the river. W3 moved up two places, bumping St Edmund's W1 and Trinity Hall W2. They are the highest third boat on the river and they have done very well to move up two places while they are surrounded by first and second boats. W4 had a fantastic week, bumping Corpus W2, Claire W4, Caius W4 and Lady Margaret W3, winning their blades and moving into the position of top W4 on the river.

The boat club saw three of our women representing the Cambridge University Boat Club in the BUCS (British Universities & Colleges Sport) regatta. Carina Graf competed in the intermediate 2- category, placing first in the B final (seventh overall); in the intermediate 8+ category, placing fourth (narrowly missing out on the bronze medal by 0.25s); and in the intermediate 4+ category, in which she claimed victory. Lucy Ashton raced in the intermediate 8+ category, placing fifth in the B final; and in the intermediate 4+ category, finishing fourth in the D final as the fastest of the CUBC development squad 4+s. Gemma Swan competed in the beginner 4+ category as stroke, placing fifth overall. It was great to see our members progress and show success at a higher level.

I am so pleased with how this year has gone. Starting with the effects of Covid-19, the club has built itself back up to the thriving, sociable and successful club that it is. It is amazing to see the depth of success in the club, from our first boats to the fourth. Many thanks to all our coaches this year, who have committed their time and energy to making us the successful club that we are. We are incredibly grateful for the generous support of the EBCA. The support in training camps and in off-the-Cam races means we can maximise our potential, and the very kind donations of the new ergs and the *Bob Robinson* are very gratefully received. And, finally, I would like to thank Fiona Reynolds for everything she has done as president. Her love for the Boat Club has made us thrive, and we are so lucky to have had a Master who cares so much about us all. Our new president Doug Chalmers has a lot to live up to, and I look forward to seeing what he brings to the club. It's been a fantastic year, and I can't wait to see what the women's side can do under Erica Humbey's leadership next year.

Abigail Cox, *Captain of boats and women's captain*

Men's squad

Following a heavily disrupted few years of rowing, it was very good to see a large turnout for the men's side in Michaelmas term: a very encouraging beginning to the year of rowing to come. We got off to a great start on account of the keenness of the men not only to get back on the water, but also to throw themselves into land training. During the first few weeks of term the men's side put large amounts of work in to improve fitness, boat feel and technical development in preparation for the Winter Head and the Fairbairn Cup. In the former the men's 4+ was the fifth fastest college crew of their division while the largely ex-novice 8+ enjoyed their first race, ending fifteenth. These results improved in the Fairbairn competition, with the 4+ overtaking Robinson and overlapping with King's by the end of the course. The 8+ similarly put in a good effort and pushed hard to the finish, learning much from the experience.

Similarly, the men's side promoted itself exceptionally well in the first weeks of term, gaining three boats'-worth of novices. NM1 saw great success, winning their division at Emma Sprints in a hotly contested and well fought race against LMBC NM1 (St John's) and subsequently finished third in the Fairbairn Cup. NM2 finished twelfth overall in the Fairbairn Cup, beating 12 NM1 crews from other colleges. Owing to the generosity of the EBCA, the eight new ergs were fitted into the boathouse gym and the men's side enjoyed their last crew ergs together on them before departing for the Christmas break.

Lent term got off to a good start, with 40 men returning to the first Lent camp in two years, demonstrating the success of our work in Michaelmas. The men's side competed only in the Winter Head to Head before focusing the next six weeks of training on the Bumps alone. The first men's boat finished fifteenth, going up two stations. M2 bumped on each of the first three days before or just after the motorway bridge, while on the fourth day they came within a quarter of a length for an over bump on Darwin II, but just missed out. The third men's boat was successful in the Getting-On race and were placed in the mixed division, where they battled Caius M3 for the week. M4 competed for time in the Getting-On race and put down a very good one. The results of the Lent Bumps reflected the good work on the men's side and set us up nicely for the Mays.

In the break between terms, the men's first boat competed in the Head of the River Race on the Thames on 26 March 2022, starting at 160 of 294 boats. Their final time was 19mins 32secs, making the boat the second fastest of all Oxbridge boats after LMBC's M1, which was only 15secs ahead. Emma's M1 placed eighty-third overall, a fantastic result that was an improvement of 111 places on the 2019 result.



M1 at the Head of the River on the Thames: Charles Powell (bow), Scott Irvine, Sebastian Wright, Elis Roberts, Tom Eveson, Max Stockdale, Luca Smith, Robert Peacock (stroke), Orin Chapman (cox)

Easter term saw even more success for the club. Thirty-three men attended the training camp, setting the tone for the successful term to come. There was a fun, yet strongly competitive, boat camp prior to the start of term, allowing us a total of ten weeks of training before the start of the Bumps. The men's side benefited greatly from the generous donation of the *Nadine Victorious*, which the men's first boat used for most of the term: they christened it with a full bumps experience, being bumped, rowing over and bumping during the week.

Off the Cam, two members of the men's side represented CUBC in their development squad at the BUCS regatta. Seb Wright (Emma M1) and Grégoire Denjean (Emma W2 cox) competed in the men's beginner 4+ category and had a fantastic day of racing. Starting off strong, they won their time trial and pulled away in the last 500m to win their semi-final, putting them in the A-final. The final was very tight; Seb and Grégoire were behind off the start but began moving back after the 1k mark and had overtaken to first place with 250m to go. The competition pushed back but Seb and Grégoire claimed gold by about a canvas length, making them the fastest beginner 4+ of the competition and in the country. A fantastic result for the young talent in the club.

Throughout term all four of the men's crews competed in several races. The first and second men's boats began it with strong starts in the spring Head to Head,

while the men's third put down a competitive time in the Head of the Cam. Later in term, M1 entered the open and college bands of the Bedford Amateur Regatta, where they reached the finals of both categories, losing out to the two strongest Oxford crews on their river, Christ Church and Oriel. The whole club competed in Champs Head, securing great results ahead of strong competition with M3 the fastest of all third boats entered.

The May Bumps themselves saw a phenomenal array of results for the men's side. The men's third and fourth secured positions as the highest placed third and fourth crews on the river, bumping Jesus M3 and Magdalene M4 respectively. M2, the fourth highest second boat on the river, maintained their position at station 12 in the second division, executing a fantastic series of close row-overs and delivering spoons to Pembroke M2, and ending as the third highest second boat on the river. M1 moved from fifth on the river to sixth after being bumped in an incredibly tight race by Pembroke and then by an Olympic Peterhouse boat. M1 then held off Clare M1 and ended the week bumping Downing M1, who we had been chasing for several years.

Overall, I am incredibly proud of the achievements of the men's side this term and this year. I am especially proud that our lower boats are at the top of their respective categories. What better reflection of the health of the club, and for its future, could we have asked for? Not only have the senior men maintained their positions high in their divisions, but it is also promising that good talent continues to succeed in the club, ready to move up to higher boats and begin teaching more novices to succeed. I have been immensely proud to have captained the men's squad this year and to see the boat club go from strength to strength on and off the water. It would of course not have been possible without the support of the EBCA, not only for their support of the club through the purchasing of new equipment, but also in their appearance on the bank and as our coaches. This is also true of all the support that Dame Fiona Reynolds has given to the boat club this year, her last year as president. We could not have asked for a better president to have been so active in the club, to have attended more races than anyone could count, and to have handed out so many bits of foliage to our bumping crews. Finally, it would not have been possible to enjoy the success that we do at the club without the tireless work of Pete and Mary Twitchett. The work they do has been invaluable in keeping the club alive and well, and we are eternally grateful for all that they do for current and former members of it.

Max Stockdale, *Men's captain*

CHAPEL CHOIR

<i>Acting director of chapel music</i>	<i>Adam Mathias</i>
<i>Senior organ scholar</i>	<i>Mark Zang</i>
<i>Junior organ scholar</i>	<i>George Maddison</i>

While last year's chapel choir contribution to this *Magazine* had a particular public health *cantus firmus* to it, I am pleased to report a return to something a little more business-as-usual over the course of 2021–22 (even if that includes the return of the weekly rendition of *Happy Birthday* after the sung grace on Sunday).

It was a great pleasure to steer the choir through a packed diary of musical engagements alongside the ever-supportive chapel team, led by Jeremy Caddick and David Bagnall. Having been the organ scholar during my undergraduate years at Emma (2012–15), I was thrilled to have been asked to take on the (acting) director of music-ship while a permanent director was being appointed: Graham Walker, who took up the post in September 2022.

With particular emphasis on diversifying the music list, as well as singing music by living composers, which included settings by choir members, the repertoire over the year spanned everything from chant to folk song, verse anthems to spirituals, and quite a lot in-between. Highlights included Eleanor Daley's *Hymn to God*, Emma-Ruth Richards' *No-one Holy Beside You* (commissioned for the choir in 2019), anthems by black composers including Undine Smith Moore and R Nathaniel Dett, choral evensong classics (notably Howells' *Gloucester Service* and Britten's *Te Deum in C*) and, for good measure, the slightly less familiar (Carson Cooman's *Easter Triumph!* and Grayston Ives' *Listen Sweet Dove*).

Beyond the 'day job' of services in the chapel, the choir were called upon throughout the year to sing at various significant occasions and college events. With the return of the annual Gomes lecture in February 2022, the choir performed a setting of Thomas Hewitt Jones' *Oculi omnium* (dare I say, a step up from Charles Wood's setting) from the lofty heights and candlelit darkness of the Hall balcony. The choir ascended those staircases once again at the beginning of Easter term to mark the opening of *Fiona's*, the new college café in South Court, at a dinner for members of the Master's Circle, this time branching out, repertorially speaking, with a post-prandial performance that included Stanford's *The Bluebird* and the *Guys & Dolls* classic, *Sit Down You're Rocking the Boat*. But perhaps the high point of the year was the return of the chapel choir reunion in April, with an 80-strong choir to perform George Dyson's *Magnificat & Nunc Dimittis in D* and Charles H H Parry's

I was Glad. Noting that Christopher Wren's tricentennial anniversary is next year, I'm pleased to say that, though the choir certainly raised the roof at evensong, the chapel remains structurally intact!

Adam Mathias, *Acting director of chapel music*

The chapel choir tour to Ireland

Although we might have expected this year to have been a relatively normal one following the lifting of most restrictions relating to Covid-19 after two hectic terms, circumstances meant that the organisation of this year's summer tour unusually fell to the choir itself. Normally, the planning of such tours begins at least a year in advance, with location and dates being confirmed by the beginning of the new calendar year; in our case, we had from April to plan a tour that might have been taking place as early as July.

So began a series of semi-regular meetings with a committee comprised of various choir members. It is only by actually being in charge of organising such a project that one realises the great extent of the work required to bring a tour from thought to reality: I can't speak for the other members of the committee but



Eimear Rogers

The chapel choir at St Malachy's Church, Belfast, left to right. Front row: Annabel Hindmarsh, Lottie Swainston, Nell Burnham, Mark Zang, Emma Clare-Jennings, Beth King, Isabel May, Lucy Martin. Middle row: Megan Holmes, Anna Peterson, Erica Humbey, Grace Kromm, George Palmer, Greg May, James MacConnachie. Back row: Ben Cole, George Maddison, Neil Sardesai, Frank McMullan, Grégoire Denjean, Joe Penny, Dom Dakin, Jack Stebbing



Choir members relaxing on a visit to the Botanical Gardens, Belfast

I, for one, definitely allocated more time to the creation of Google Forms than my supervisor would have liked. All in all, after many discussions, two meetings with the Master and Tutors' committee and a chat with the Bursar, we were given the go-ahead to finalise the details of the year's summer tour, which would take the choir to Dublin and Belfast in mid-July. Before setting off, however, we held a fundraising concert in the lovely St Botolph's, featuring wonderful solos from sopranos Amy Howell and Lottie Swainston, and from tenor Daniel Hilton. For Amy, as well as for alto Louisa Clogston, this would be their last performance with the choir and I would like to thank both of them for their indispensable contributions

over the past few years. After the concert, we were surprised to meet Adrian Dixon, former Master of Peterhouse, in the audience, who gave us his best wishes for the tour (along with a contribution towards our Guinness fund).

A month passed and, with the extravagances of May Week behind us, we set off early on the morning of Monday 11 July, arriving in Dublin before noon. We then spent the afternoon rehearsing in the choir school of St Patrick's Cathedral, preparing ourselves for the week ahead. The next day we had our first performance, a lunchtime recital at St Saviour's Dominican Priory, where we were warmly welcomed by both the clergy and the audience, followed soon after by a service of choral evensong at St Patrick's. While our rehearsal featured the sonorous buzzing of an electric drill, the disturbance ceased come service time and we thoroughly enjoyed singing in the lovely acoustic. Wednesday featured two more performances: a service of mass at Whitefriar Street Church, followed by another service of choral evensong, this time at Christ Church Cathedral, where the 32-foot-piped organ stop, the contra-trombone, featured in Howells' *Gloucester Service*, much to the delight of our organists. We were also delighted to meet Emma member and former choir member Anthony McBride, who gave us a very generous donation that paid for our dinner that evening.

On Thursday morning, we took the train to Belfast. Upon arrival we made our way to the City Hall, where Dr Joe McKee (director of music at St Columba's,

where we were to sing on Sunday) had kindly arranged for us to sing in the beautiful building with its wondrous acoustic. In the evening, we gave a recital at St Malachy's Church, where we received a standing ovation! We spent the next day in Bangor, with some of our braver choir members going for a swim and others opting for a chaotic session of pedal-boating. We then gave another concert at First Presbyterian Church Bangor, which was similarly well-received. Saturday featured our last concert of the tour, back in Belfast at St Polycarp's parish church. A recording of Peter Foggitt's arrangement of the traditional Irish song *The Rattlin' Bog*, which has proved enduringly popular with audiences, can be found on our Facebook page.

Our tour came to a conclusion on Sunday with two more services: a service of choral mattins at St Columba's, followed by choral evensong at St Anne's Cathedral. Both featured Benjamin Britten's exciting *Festival Te Deum*, where fresher Isabel May graced us with her angelic solo. Evensong concluded with Jean Langlais' bombastic *Hymne d'Actions de Grâce: Te Deum* played by George Maddison, our junior organ scholar; and just like that, the tour had finished, almost as suddenly as it materialised, in those whirlwind weeks in April and May. Later that evening, we celebrated the tour's success with the customary giving of speeches and tour awards; one more night of sleep, and we were on our way home the next morning.

It almost feels like an age ago that the tour took place, let alone the planning of it all. Although I was technically in charge, this was mostly limited to the musical aspect of things, and for all of the other things that go into making a tour such as this possible, I have to thank two members of the tour committee in particular: first, James MacConnachie, who was in charge of liaising with the numerous venues at which we performed and has thus sent enough emails for a lifetime; and secondly, Dom Dakin, whose profound love for spreadsheets I have gladly exploited, as he organised virtually all of the travel and accommodation, while also managing to keep tabs on the budget. A third thank-you goes to Lucy Martin, resident social media wizard, who has created wonderful video summaries of each day's exploits, which you can find on @unofficialemmachoir on Instagram and TikTok.

As I say, it was with the most serendipitous of circumstances that I was given the great privilege of directing this tour and I could not have thought of a better way to have ended my four years at Emma as organ scholar. I will treasure these memories for the rest of my life.

Mark Zang, *Senior organ scholar*

CHRISTIAN UNION

	2021-22	2022-23
<i>Reps</i>	<i>Isaac West</i> <i>Ted Perkin</i>	<i>Emily Orr</i> <i>Rebecca Lloyd</i>

Ted and I took over as the reps for Christian Union in Easter term 2021. On account of Covid-19 regulations, our experience so far of CU had been one of online Zoom meetings, so we were excited to take over at a time when regulations were starting to be relaxed. We were able to hold in-person Bible studies looking at some of the Psalms, and prayer meetings throughout the term, albeit having to abide by regulations such as 'the rule of six'. While sad to say goodbye to graduating students, we were able to have a fun social all together on Parker's Piece as a farewell and end to the year.

With regulations largely lifted by the start of Michaelmas term 2021, we were able to hold an in-person freshers' getaway, along with the rest of the Cambridge Inter-Collegiate Christian Union (CICCU), with several incoming freshers from the



Members of the Emmanuel Christian Union meeting in post-Covid-19 conditions

Emma group attending. At the start of term, we held a couple of church-search breakfasts, as well as a pizza social, to welcome the freshers and help them to settle into college and church life. This was the first Emma CU social under no restrictions since before the pandemic. Over the course of the term, we looked at the different meals that Jesus shared in the gospel of Luke, and how these can teach us about Jesus's character. It was also a joy to return to so many in-person events as a central CU, such as the carol services, a three-day thought festival and Big Questions lunchtime events most Fridays.

Our final term as reps began with an in-person central CU getaway a few days before Lent term 2021 started, which six members of the Emma college group attended. During Bible studies, we looked at the book of Ecclesiastes. Two of the highlights of the term were a text-a-toastie we hosted in college and the CICCU's annual Events Week. We received 29 questions for our text-a-toastie, accompanied by a wide range of toastie orders, which fuelled lots of thoughtful discussions. The theme for the Events Week was 'Pursuit: what are we searching for?'. Despite several members of the college group having to isolate at points during the week because of Covid-19, we were able to get involved with lots of the events and prayer meetings, as well as invite friends along to talks and discussions.

At the end of the term, Ted and I passed on our roles in leading the college group to Emily Orr and Rebecca Lloyd. We are already excited for this upcoming year and a new cohort of freshers.

Isaac West, Rep

EMMANUEL COLLEGE STUDENTS' UNION (ECSU)

	2021	2022
<i>President</i>	<i>Charlotte McGuire</i>	
<i>Vice-president</i>	<i>Sawen Ali</i>	<i>Natasha Usselman</i>
<i>Secretary</i>	<i>Fran Hardyman</i>	<i>Izavel Lee</i>
<i>Treasurer</i>	<i>Michael Roach</i>	<i>Ben Blaker</i>
<i>Access & class act officers</i>	<i>Alex Govan</i>	<i>Kaycee Barwell</i>
	<i>Francesca Mann</i>	<i>Ann Nguyen</i>
<i>Bar managers</i>	<i>Etta Mae Levi Smythe</i>	
	<i>Benjamin Chesser</i>	
<i>Racial equalities officer</i>	<i>Akshata Kapoor</i>	<i>Ebenezer Boakye</i>
<i>Buildings & services officer</i>	<i>Monty Dunn</i>	<i>Ben Silva</i>
<i>Education & careers officer</i>	<i>Rosie McLeish</i>	<i>Amal Abdirahman</i>
<i>Charities officer</i>	<i>Rosie Caddy</i>	<i>Chloe Li</i>
<i>Computing & communications officer/webmaster</i>	<i>Jiaxin Wang</i>	<i>James Steiner</i>
<i>Disabilities & mental health officer</i>	<i>Cerys Llewelyn</i>	<i>Caspar Costello Slee</i>
<i>Ents officers</i>	<i>Jack Medlin</i>	<i>Matthew Haskett</i>
	<i>Beth Wright</i>	<i>Connor McAteer</i>
<i>Green & ethical officer</i>	<i>Eddie Wilkinson</i>	<i>Mia Becker</i>
<i>International officer</i>	<i>Henri Duroseau</i>	<i>Vicky Wang</i>
<i>LGBT+ officer</i>	<i>Dottie Birss</i>	<i>Reuben Mason</i>
<i>ROAR! editors</i>	<i>Alfie Eltis</i>	<i>Joe Hill</i>
	<i>Lucas Pangaro</i>	<i>Edward Allen</i>
<i>Shop manager</i>	<i>Anna Hayward-Surry</i>	<i>Eloise Suissa</i>
<i>Welfare officers</i>	<i>Clíodhna Herkommer</i>	<i>Fabian Apostoaie</i>
	<i>Ted Perkin</i>	<i>Shoshana Dahdi</i>
<i>Women's & non-binary students' officer</i>	<i>Cath Churchill</i>	<i>Bridie Milsom</i>

Every member of the ECSU committee has been valuable in ensuring that college life runs smoothly and that every student can make the most out of their time at Emmanuel. Here are some of the things we've been working on over the past couple of terms.

Our access officers, Ann Nguyen and Kaycee Barwell, are currently working on planning Emma's annual access bus, an initiative that drives current students around schools in Sheffield and Essex to introduce school students in those areas to Cambridge life, with the aim of making Cambridge feel an achievable goal for anyone. They also worked with our racial equalities officer, Ebenezer Boakye, to run the BME shadowing scheme, which was first set up last year. Ebenezer has also been busy talking to the Master about diversifying the art around the college, especially with regards to the new building. The aim is to celebrate non-academic members of staff, such as the bedders and porters, who are essential for keeping the college running smoothly, and to display more student art.

Our disabilities & mental health officer, Caspar Slee, has also been working tirelessly to support disabled students throughout college by holding drop-in sessions to determine what needs are currently being met and by advising students on issues related to the room ballot. He also organised disability training for himself and heads of societies.

Reuben Mason has put on lots of events as LGBT+ officer, including Drag Race and Eurovision screenings as well as an LGBT+ formal during LGBT+ history month. They also set up a sub-committee to help with the organisation of these events and, in consequence, to help strengthen the community for LGBT+ students at Emma. Our women and non-binary students officer Bridie Milsom has also worked to improve the safety and wellness of Emma's students. She organised a forum to discuss issues related to student safety, which led to the porters opening the gates for students later into the night. She has also been engaging with discussions with the Master and Tutors' committee about improving support for students who have experienced sexual assault. Alongside these achievements, she has also worked with Femsoc in organising events such as the International Women's Day formal and discussions on issues related to gender.

Chloe Li, our charities officer, set up a charities sub-committee and has run events such as a charity run to raise money for global health and development, and animal welfare. She also organised the much-loved college stash, with proceeds from that going to the global health and development fund. As well as organising her own events and initiatives, she was also instrumental in helping other officers run themed charity formals.

Our green and ethical officer, Mia Becker, has been doing her best to ensure that college remains as sustainable as possible. She resurrected the Emma Green Ducks Society, enabling many students to engage with

the environmental challenges faced by the college. They worked with the gardeners to set up hedgehog tunnels in the Paddock. Mia has also been doing research into ethical banking; ECSU is hoping to use this information to switch to a more ethical bank.

Welfare is one of the most important roles on the ECSU committee, and Fabian Apostoaie and Shoshana Dahdi have been working hard to keep up the morale of students by holding events such as weekly drop-ins, movie nights, a chocolate fountain and Week Five pidge sweets. They also worked with the chapel during exam season to hand out doughnuts, which were incredibly popular and disappeared almost instantly.

Our buildings & services officer, Ben Silva, has done an amazing job of engaging with the college staff whenever there has been a problem with formal bookings or other service-related issues: he can always be relied upon to fix it. He also ran inductions to the Emma gym at the start of the year in order that students were able to use it again after the pandemic. Amal Abdirahman, our careers and & education officer, has played a vital role engaging with Emma members by meeting with the Emmanuel Society and organising careers events for current students.

One of the most exciting events this year was the return of the ECSU shop. It had been closed on account of Covid-19 but, after a battle with the bank, our shop manager Eloïse Suissa was able to get it stocked and open again. As well as offering enough sweets to get you through an apocalypse, it also sells the essentials such as milk, toothpaste and individual paper clips, just in case you ever only need one. It is a place appreciated by all students, as everything is always very cheap.

The fun in college is provided by the Ents officers, Matthew Haskett and Connor McAteer. They organised an incredibly successful karaoke night, and we hope that with the new bar opening next year they will be able to continue to provide entertainment for everyone. *ROAR*, the satirical magazine written by Joe Hill and Edward Allen, might also sometimes get a laugh out of people over brunch.

ECSU was held together by the organisational mastermind Izavel Lee, our secretary. She was always on top of agendas, minutes and emails that really helped everyone else do their jobs properly. Our webmaster, James Steiner, also kept the ECSU website up to date, and our treasurer, Ben Blaker, sorted out the funding for societies and kept the ECSU bank account in check. He also kept up the deals with Cambridge Crepes and Jack's Gelato, ensuring that Emma students get discounted crepes and ice cream.

As vice-president, I have mostly just been keeping the ECSU committee running smoothly, especially in the absence of a president. I've also engaged in conversation with the Master about *Emma enables*, the project involving the new buildings and everything that comes along with them. I've tried to provide the committee members with the information they need to achieve their goals, and I hope that together we have enabled Emma to continue to thrive.

Natasha Usselman, *Vice-president*



MIXED LACROSSE CLUB

	2021-22	2022-23
<i>Captains</i>	<i>Rachel Angus</i> <i>Isaac West</i>	<i>Celeste Crosbie</i>
<i>Social Secretary</i>	<i>Toby Smallcombe</i>	<i>Nicki Fletcher</i>

We have had an exciting and successful year as a club, with the inter-college mixed lacrosse League properly getting off the ground again after Covid-19 and so giving us weekly matches to play. We have also had informal throw-arounds throughout the year on Parker's Piece to introduce newcomers to the game, practise our own skills and socialise.

We began the year in division 2 of the League and had a relatively successful Michaelmas term, in which we beat Catz and Trinity, drew with Jesus and John's, and lost to Robinson and Pitzwards (Peterhouse/Fitzwilliam/Murray Edwards). With Downing forfeiting their match against us, we were placed fourth out of eight in our division. In Lent term, however, we completely surpassed our previous term's efforts. Excepting a 1-1 draw with Clare/Homerton and a loss to a strong Magdalene team, we went on a winning streak, beating Corpus/Newnham, John's



The Emma lacrosse club at Cuppers 2022. Left to right: Rachel Angus, Tuhin Varshneya, Peter Mumford, Isaac West, Sam Brown, Nicki Fletcher, Ollie Stubbs, Amber Richards, Ben Silva, Luke Ridge, Artemis Van den Broucke, Celeste Crosbie, Damola Odeyemi



The Emma lacrosse club after playing Robinson, November 2021, left to right. Front row: Lucy Graham, Rachel Angus, Damola Odeyemi, Robert Ogilvy. Back row: Jenny Dyson, Luke Ridge, Sam Brown, Nicki Fletcher, Monty Dunn, Sam Pathmanathan, Peter Mumford, Isaac West

and Jesus. With several players in isolation we sadly had to cancel our match against Churchill; instead we had an Emma Sunday morning throw-around, followed by a wholesome team brunch. We were placed second in the division at the end of Lent, and so have been promoted to the top division for the 2022–23 League.

This year also saw the return of mixed lacrosse Cuppers; we were in a group with Robinson, Magdalene, CKT (Caius/King's/Trinity Hall) and Catz. We began with a 0–2 loss to a very strong Robinson team, but our teamwork in defence kept the score-line relatively modest. We then went on to beat Magdalene 3–1, CKT 3–0, and Catz 4–0, finishing second in the group. In true college lacrosse fashion, we ended up gifting some players to Catz, who were struggling for numbers, which led to some entertaining mixed loyalties in our final game. Coming up against Trinity in the quarter-finals, the close-fought game was 1–1 at half time, but Trinity scored again and took the victory to progress to the semi-finals. So ended Emma's Cuppers hopes for the year, but we took comfort in the fact that the only teams we lost to in the whole tournament were the eventual finalists.

In summary, Emma mixed lacrosse has had a great year, being promoted to the top division of the League, reaching the quarter finals of Cuppers, and having a lot of fun along the way. The club is in safe hands next year with Celeste and Nicki, and I look forward to carrying on playing with this lovely group of people and also to seeing some new faces in October.

Rachel Angus, Co-captain

MAY BALL

As Sunday 19 June, the eve of the Emmanuel May Ball 2022, approached, it appeared that wet weather was on the cards. However, with a stroke of luck the rain punctually cleared to paint a rainbow across the pink sunset skies, providing a dramatic backdrop for our guests who were queuing to get that all-important outfit shot. After two years of cancelled events, Emma's first ball since 2019 had a theme of 'Into the Night', transporting our guests around the world to different historical nightlife hubs and thus shining a light on culture after dark. Their journey commenced at the timeless Studio 54 in New Court, complete with a white horse, in homage to Bianca Jagger's infamous entrance, and dancers with disco balls for heads interspersed among the silent disco. Once appropriately welcomed with a glass of fizz, guests could try their hand at blackjack in the Grand Lisboa Casino or perhaps at mini golf in Mexico's Café de Nadie, provided their aim hadn't taken too much of a hit after making the most of the tequila bar! Having tired themselves out on bouncy Berghain, guests could relax and peruse the multitude of performances on offer, from cabaret and drag shows in the subversive Savoy Manor Ballroom, to the jazz stage in the Fellows' Garden, which had been transformed into Tehran's Rasht 29 by beautifully lit stained glass windows intricately designed by our decor team.

On the main stage Afriquoi kept the energy high late into the night, while Olivia Dean's soothing melodies rippled across the Paddock, which became Woodstock for the night. The headliners were warmed up by Emma's very own JBlonde, who received an A-lister's reception by friends turned super-fans, giving Jimi Hendrix's 1969 set a run for its money! Luckily, there were plenty of food vendors on hand, so guests could fill up on Gully's naan wraps or Aromi's arancini after all that dancing and sustain themselves until the sunrise survivors' photo, the ultimate proof of a May Ball done right.

The committee have worked tirelessly since October to put on an event that we hope successfully crammed over two years of fun into a single night. Although there were inevitably ups, downs and freezer-trailer-broken-down-on-the-M11-shaped obstacles, nothing quite compared to the feeling of soaking it all up on the night and rejoicing in a mixture of pride and relief down our walkie talkies, to the soundtrack of ABBA Reborn (sadly our budget didn't extend to the real deal). We are sad that our time working on the May Ball has come to an end, but we are very excited to see what next year's committee produce and to attend their event content in the knowledge that it won't be us on litter-picking duty this time. Emma May Ball, you've been a blast!

Alex Bispham & Philippa Kirby, *May Ball 2022 presidents*



Woodstock



Swingboats



Bridge photography



JBlonde's Rupert Varley greets the crowd



Cabaret dancers in the Savoy Manor ballroom



Front Court becomes Moulin Rouge

MEDICINE & VETERINARY MEDICINE SOCIETY

2021-22

<i>President</i>	<i>Abhi Chatterjee</i>
<i>Vice-president</i>	<i>Cecilia Kim</i>
<i>Secretary</i>	<i>Fran Hardyman</i>
<i>Treasurer</i>	<i>Seb Mobus</i>
<i>Welfare</i>	<i>Charlotte McConnell</i>
<i>Social secretaries</i>	<i>Alexander McManus</i> <i>Sam Pathmanathan</i>
<i>Clinical liaison officers</i>	<i>Fiona Burn</i> <i>Tuhin Varshneya</i>

The eventual lifting of Covid-19 social restrictions brought a new dawn and rejuvenation for many of the societies around college, and for the keen members of the Emmanuel medicine and veterinary medicine society (EMVS) it was no different.

Michaelmas term began with the reinstatement of the weekly EMVS breakfast mornings, when students could meet over a filling breakfast and catch up on goings-on. It was a welcome opportunity for different years to chat with each other and continued on a weekly basis through the rest of the year. Later in the term we were able to run a very successful bowling trip, again capitalising on our new-found ability to organise socials with groups of more than six people.

A notable event in Lent term was our annual Part II Information Evening, which we were able to host in-person once more this year in the Old JCR. The evening was an invaluable opportunity for the second-years to learn about the experiences of a range of different third-year students in their various Part II subjects and to ask questions to help them choose. Lent term also featured the EMVS pub crawl, which was a much-needed opportunity for all the students to let off some steam after a very intensive term.

In a welcome return to the pre-pandemic era, Easter term was packed with numerous academic and non-academic events. The yearly Electives Evening was an event that had been much looked-forward to, bringing the majority of all six years together as a selection of students gave informative (and in many cases wildly comic) presentations about their elective programmes, undertaken either abroad or within the UK, along with a dinner provided by the college. It was the first time many of the younger years had seen all of the clinical medics along with teaching staff, and it was a brilliantly entertaining evening. Prior to the exam



The medicine and veterinary medicine society dinner at the end of the 2021–22 year

season, the EMVS pizza night was also a big hit, and had a brilliant turnout with few able to resist the offer of free pizza and a break from revision. The graduating pre-clinical medics were also treated to an amazing clinical skills taster session organised by a group of clinical medics led by Marcus Norrey. During the session the third-year students had the opportunity to get a head start on their clinical training. They were led through some emergency patient assessment scenarios along with training in practical skills using the stethoscope and tympanic thermometer, as well as taking blood pressure readings and pulses.

The year was guaranteed to finish with a bang after exams, with our social secretaries Alexander McManus and Sam Pathmanathan pulling together a stupendous cocktail evening in the park, with a selection of aptly named and flavoured cocktails drawing a great crowd. Our events list was topped off with the highly anticipated EMVS end-of-year dinner, which saw all of Emmanuel's medics, vets and teaching Fellows invited to a sophisticated black-tie affair, complete with drinks reception and dinner. The dinner was undoubtedly the highlight of the EMVS calendar this year, with great food and drink, and memories were made.

This year's much more populated events list was respite from the seemingly incessant shadow cast by pandemic restrictions and provided a welcome return to a greater feeling of normality around the college. EMVS congratulates all six years of medical and veterinary students studying at Emmanuel on a successful year and, for those moving on either to clinical school or to further studies and careers, wishes them all the best for their future aspirations.

Abhi Chatterjee, *President*

MUSIC SOCIETY (ECMS)

	2021–22	2022–23
<i>Honorary president</i>	<i>Douglas Chalmers</i>	<i>Douglas Chalmers</i>
<i>Director of music</i>	<i>Sarah Bendall (acting)</i>	<i>Graham Walker</i>
<i>College Fellow</i>	<i>Sarah Bendall</i>	<i>Sarah Bendall</i>
<i>Presidents</i>	<i>James MacConnachie</i>	<i>Isabel May</i>
	<i>Orla Mair</i>	<i>George Maddison</i>
<i>Presidents emeritus</i>	<i>Louisa Clogston</i>	<i>James MacConnachie</i>
		<i>Orla Mair</i>
<i>Treasurer</i>	<i>Ben Blaker</i>	<i>Grégoire Denjean</i>
<i>Secretary</i>	<i>Lottie Swainston</i>	<i>Lucy Martin</i>
	<i>Lucy Martin</i>	
<i>Hires & equipment managers</i>	<i>Frank McMullan</i>	<i>Dom Dakin</i>
	<i>Dom Dakin</i>	<i>Lewis Clark</i>
<i>Publicity manager</i>	<i>Henri Duroseau</i>	<i>Orla Mair</i>
<i>Events manager ENTS</i>	<i>Jake Moll</i>	<i>Daniel Hilton</i>
<i>Webmaster</i>		<i>Lewis Clark</i>
<i>SECCO</i>	<i>Orla Mair</i>	<i>Orla Mair</i>
	<i>Louisa Clogston</i>	<i>George Maddison</i>
<i>Emma big band leader</i>	<i>James MacConnachie</i>	<i>James MacConnachie</i>
<i>Emma jazz leader</i>	<i>Jake Moll</i>	<i>Christopher Newton</i>
<i>Chorus leader</i>	<i>James MacConnachie</i>	<i>Isabel May</i>
	<i>Molly Ghinn</i>	
<i>Recital manager</i>	<i>Grace Muldowney</i>	<i>Emma Jennings</i>
<i>Flute choir leader</i>		<i>Grace Muldowney</i>
<i>Songwriters & composers' group</i>	<i>Emma Jennings</i>	
<i>Choir representative</i>	<i>Erica Humby</i>	
<i>General members</i>	<i>Mark Zang</i>	<i>Aditi Kumar</i>
	<i>Andrew Yang</i>	<i>Kitty Knight</i>
	<i>Jennifer Hu</i>	<i>Eli Jay</i>
	<i>Christopher Newton</i>	<i>Neil Sardesai</i>
	<i>Corin Staves</i>	<i>Lottie Swainston</i>
	<i>Tuhin Varshneya</i>	<i>Alice Ibbot</i>
		<i>Andrew Yang</i>

It's been a very busy but hugely rewarding year for ECMS, during which our primary aim was fully to restore college music-making after Covid-19 and to build on the vibrant, inclusive and high-level music society we were fortunate enough to inherit.

Easter term 2020–21, the first for the new committee, followed a term spent working entirely from home, during which no music-making was possible. Opportunities for rehearsals were still severely restricted; however, the open-to-all Emma chorus was able to resume sectional rehearsals after a year's hiatus. Our activity that term culminated in a series of impromptu performances on the Paddock, by both ECMS ensembles and other college bands and soloists.



Presidents James MacConnachie and Orla Mair minding the ECMS stall at the freshers' fair

Emma Jennings



Emma chorus and SECCO perform a joint Christmas finale at the Michaelmas end-of-term concert, Orla Mair conducting

We were delighted to be able to entertain students, particularly following the last-minute cancellation of the 2021 Emma May Ball: highlights of the afternoon can be found on the ECMS YouTube channel.

The easing of Covid-19 regulations in time for Michaelmas term 2021 meant that it was finally business as usual for ECMS. Battling the rain but boosted by free pizza nearby, we set up a stall at the annual freshers' fair in October, which considerably increased both our Emma and non-Emma membership, mostly on account of our high-end poster designs. Buoyed by this success, we began regular rehearsals with Emma chorus, Emma big band, the auditioned Emma jazz band and the newly formed flute choir, as well as

re-established links with Sidney Sussex and Corpus Christi colleges to re-form the SECCO orchestra. After a year of virtual recitals, weekly Sunday recitals were also able to resume in person in the Queen's Building lecture theatre.

In late November, the return of the annual Christmas ceilidh in the Old Library, with music provided by the University Ceilidh Band, was followed by the first ECMS end-of-term concert for nearly two years. Indeed, so long had passed since a major ECMS concert that the previous system of cash payment was replaced for the first time with online ticket sales and a contactless card reader. For many students this was the first live music they would watch post-pandemic and turnout was especially high, contributing to a fantastic evening of classical, funk, pop and jazz music.

Lent term proved to be the busiest yet for the committee, as we sought to add more events and performances to the regular diet of rehearsals and recitals. The success of the Christmas ceilidh encouraged us to repeat the event for the entire university, and in February we held a sold-out ceilidh in St Andrew's Street Baptist Church. This was followed by a series of partnership events, including two charity concerts in aid of Streetbite Cambridge and the British Red Cross's efforts in Ukraine, as well as a karaoke night in the Old Library, hosted jointly with the Emma Bar. The co-presidents were also given the opportunity to organise the first Master's recital for several years, attended by the Master and college members and by friends of ECMS as a thank-you for their continued support. Finally, the term was topped off by another well-attended end-of-term concert and, rather ridiculously, by a 'Kazoo Konzert', in which classical and popular favourites were unceremoniously butchered by a choir of kazoos. Should you be brave enough, you can find that on the ECMS YouTube channel, too.

The co-presidents would like to take this opportunity to thank the whole ECMS committee for all the hard work they put into making the year a success, both musically and administratively, and to the acting director of music Sarah Bendall for all her advice and support. We look forward to watching the society continue to flourish next year under our successors, who have already displayed a remarkable talent for extracting considerable sums of money for May Week equipment hire. Joking aside, the future of music-making at Emmanuel post-Covid looks very bright indeed!

James MacConnachie & Orla Mair, *Presidents*

NETBALL CLUB

2021–22

Ladies' captains *Hannah Back & Lucy Martin*

Mixed firsts captain *Alexandra Telford*

Mixed seconds captains *Toby Smallcombe, Charlie Horne*

Another great and successful year for Emma netball was led by a strong and passionate team of captains. Across the teams, over 60 new players signed up at the societies fair during freshers' week. Throughout Michaelmas term, the enthusiasm of keen players willing to play matches in the cold soon became apparent.

The mixed seconds maintained consistency at the hands of their captains Toby Smallcombe and Charlie Horne, finishing seventh in their division in Michaelmas and again in Lent. This team was largely composed of third-years; for many it was their first time playing netball since school. A huge thank-you to all of you for your commitment to Emma, mixed seconds!

Mixed firsts had a great start to the season, finishing fourth in the first division in Michaelmas term. This would not have been possible without the truly reliable team of freshers, who turned up with friends week on week to ensure that we didn't concede. One victory of note was beating St John's 17–5: the opposition was tough, but our team maintained their cool to take this win. Unfortunately, Lent term was not as successful for the team, which finished last in the first division on account of bad weather and so a lot of unplayed matches. The season finished with mixed Cuppers, when the team were knocked out in the group stages. To those of you



Netball mixed seconds, left to right. Front row: Eddie Wilkinson, Amy Dimaline, Gabby Rossetti. Back row: Francesca Mann, Anna Hayward-Surry, Sam Pathmanathan, Charlie Horne, Libby Gande, Siobhan Woodley, Connor McAteer



Netball mixed firsts, left to right: Alexandra Telford, Celeste Crosbie, Maja Segger, Lucy Martin, Bill Bishop, Michael Roach, Anna Hayward-Surry, Ollie Stubbs, Grégoire Denjean



Netball ladies, left to right: Ellen Ashley, Hannah Back, Aba Amponosa, Lucy Martin, Celeste Crosbie, Anna Hayward-Surry, Kate Lee

graduating, thank you for being a vital part of the team. You'll be missed greatly: Bill Bishop, Anna Hayward-Surry, Michael Roach, Eimear Rogers, Maja Segger and Ollie Stubbs. We are excited to announce that next year we will be combining the mixed teams into one large group to ensure that we don't have to cancel any matches.

The ladies' team also had a wonderful year of netball. Although the team finished seventh in the first division in Michaelmas term and therefore moved to the second division (largely a result of cancellations), Lent and Easter terms were successes. The ladies' team came back fighting at the start of Lent term, absolutely smashing Downing 20–4 in the first match. Again, we had to concede a game or two because fitting matches into everyone's busy Cambridge schedules was difficult, but we rearranged some games and played amazingly well to eradicate any danger of relegation; we finished the League in fifth place. For instance, the team beat St Catharine's, who were high up in the League, 23–16, in a tough but rewarding match.

The ladies' Cuppers tournament took place in Easter term and was the highlight of the year. We managed to drum up lots of enthusiasm and had enough players for almost two separate teams in the morning and afternoon. The team scraped through the group stages on goal difference but then smashed the quarter-final, winning 9–6 in an incredibly high-intensity game. Although we lost to the subsequent winners of the tournament in the semi-finals, we then pushed hard in the third-place play-off to beat Fitzwilliam to the podium position. It was a great day for Emma netball, coming third out of 22 teams and proving how strong our team really is when we pull together in true Emma spirit and get everyone out to play. Thank you to graduating Hannah Back, captain in Michaelmas and over the past two years, for her dedication to Emma ladies' netball. Thank you again to everyone who took part in college netball this year: we look forward to welcoming back those of you who are still here next year for another great season.

Alexandra Telford & Lucy Martin, *Mixed firsts captain & ladies' captain*

Koelreuteria paniculata, golden rain tree, in the Paddock



Obituaries

Obituaries



JOHN HENRY COATES (Fellow 1975–1977, 1986–2022) died on 9 May 2022. We reproduce here the tribute given by his son, Philip, at his funeral service:

Thank you all for coming today and to those watching online as well. We have been enormously touched by the many thoughtful and moving messages we have received from across the world from family, friends, colleagues and students. These are a testament to the many close relationships my father formed during his long and fulfilling life and to the legacy he leaves behind.

It is impossible to convey fully the essence of a person in a few minutes, but I will try. My father had a wonderful enquiring mind and devoted his life to learning and teaching. He saw deep beauty in number theory and elliptic curves. He travelled the world and read widely across history, literature and poetry. He had a fascination with ancient cultures, oriental art and Japanese porcelain. He was a loving husband and father as well as a friend, colleague and mentor to many people across different countries and cultures, and will be deeply missed.

Born in the Australian bush in 1945, he grew up on the family farm in Possum Brush, a land of gum trees and goannas, close to the Pacific highway in New South Wales. John suffered early trauma when, at seven, he lost his mother. His father also suffered from ill health and as a result John and his brother Jimmy lived for many years with their Aunt Margaret.

Both his parents were teachers, and the importance of education was reinforced from his early years. He went to a small local school and quickly showed academic potential. Stellar grades took him to the Australian National University in Canberra, where he met and fell in love with my mother Julie, also forming a strong bond with her family in Sydney. He never forgot his Australian roots and there was always a welcoming house for any relative travelling from abroad. He also enjoyed learning about his and my mother's earlier roots back in England.

Continuing his academic rise, he secured a scholarship that took him to Paris and Cambridge, where he completed his PhD at Trinity College, already a significant accomplishment given from where he had come. A move to America soon beckoned: first to Boston and Harvard, where my brothers David and Stephen were born, and then to San Francisco and Stanford, where I was born. He built many lifelong friendships during his time in both places.

After a brief detour back to Cambridge and Australia, we headed to France and Bures-sur-Yvette near Paris, where we lived for a happy eight years, eventually at the charmingly

called rue des Cocquelicots. John worked initially at the Université de Paris-Sud at Orsay and then at the École Normale Supérieure, where he forged further enduring friendships. His broad interests were already well developed at this stage. He read widely in English and French, and we travelled across France visiting historic sites. His prodigious work ethic was also well established, often rising at 5am and doing his own work for many hours, and then lecturing and collaborating with many colleagues both in France and abroad. He travelled across the world to leading mathematical centres, and during these travels he also loved learning about ancient cultures and visiting historic sites and museums.

In 1986, we moved back to Cambridge when he took up the post of Sadleirian Professor in Pure Mathematics, previously held by many eminent mathematicians. He also became a Fellow of Emmanuel College and spent a notable period as department head including the move to their new buildings, of which he was always proud. He settled easily and happily into Cambridge life while continuing his travels and building his many collaborations. France, Germany, India, Japan, China, Korea and the United States were countries he regularly visited. Many colleagues also visited him in Cambridge, and in this way he became an important node of an international network in his subject. He would have been delighted that the biennial Iwasawa conference will be held in Cambridge next year to commemorate his life and mathematics, and reflect intensively on his academic achievements.

That they were clearly significant was evidenced by the many papers he co-authored and the numerous accolades he received, including his professorship at Cambridge, his election as a fellow of the Royal Society, and his honorary degrees and other awards. He had a deep passion for number theory and worked tirelessly to advance the subject across the world. He was a generous and thoughtful teacher and mentor. Even in his last years he always made time to give advice or write letters of recommendation to help talented mathematicians gain the positions they deserved.

If this was not enough, he also became an expert collector of oriental art and developed many friendships in this area as well, both in Cambridge and abroad. Japanese porcelain from Arita and the Kakiemon kiln became a particular love and fascination. Buddhist art was another passion, and he visited many sites in Tibet, China, Korea, India and Japan. He also developed over the years a love for literature and poetry. His library was full of fascinating old books that he enthusiastically encouraged us and others to read. He enjoyed Russian authors such as Dostoyevsky and Tolstoy. History was another interest including Edward Gibbon, Captain Cook's voyages and the memoirs of the Duc de Saint-Simon. He also found beauty in poetry, both western and oriental, and especially Japanese. And of course, his favourite was *The Tale of Genji* and particularly in the Arthur Waley translation. Over the years his cell at the monastery became a reflection of his numerous interests and the places he had visited, as did the family home, although I did like to tease him that his office at Emmanuel did not quite conform to the popular notion of a monk's austere cell.

He was also a loving family man and I remember well many of the simple pleasures he enjoyed and shared with us and others: drinking coffee and discussing the world; having family and friends over for lunch or dinner and cooking roast lamb or *daube*, usually

served with his favourite Australian Shiraz, or 'mineral water' as he called it; making freshly squeezed orange juice for breakfast, eating sushi for lunch, honey on bread as a snack and stewed apples or plums with yoghurt for pudding.

He loved Emmanuel College and its gardens, especially the majestic oriental plane tree in the Fellows' Garden. For a break he would plunge straight into Emmanuel's unheated swimming pool. He enjoyed riding his bike around Cambridge and shopping for local food at the market on a Sunday morning. For many years he would go jogging with family and friends, urging us on through the pain of a stitch.

He always wrote with a fountain pen and had impossibly neat handwriting, although I still could never understand the pages of mathematical symbols. He loved taking photos of his family and friends and the places he visited. He doted on the family cats and looked forward to getting up early on a Saturday morning to go to Portobello market in London.

These are just some memories from a deep reservoir, and I know that he will remain with many of us and that his example will keep pushing us forward to learn and understand, to teach others, to love our families and to build enduring friendships.

His ashes will eventually make one last journey from the riverbank at our house in Barrington. He will travel through his beloved Cambridge to within sight of Ely Cathedral, which he also loved visiting. He will finally make his way to the open sea and, following Captain Cook, may once again return to the Pacific and Australia.

In the spirit of Dad's love of poetry, I will end with an old Japanese poem from Ōtomo no Yakamochi:

Since the far beginning of heaven and earth
 It has been said from mouth to mouth
 That life is uncertain;
 When we look up to the plains of heaven
 The bright moon waxes and wanes;
 On the tree-tops of the mountains,
 Flowers bloom with spring,
 In autumn, with dew and frost,
 The coloured leaves are scattered in the blast.
 So is it with the life of a man:
 The rosy colour fades from the cheek,
 The black hair turns white,
 The morning smile is nowhere found at eve.
 Looking at our life's changes,
 Unseen as the passing wind,
 Ceaseless as the flowing water,
 I cannot stop my tears streaming
 Like floods on the rain-beaten ground.



BRUCE RICHARD (RICK) MARTIN (Fellow 1981–2021) died on 28 September 2021 as reported in last year's *Magazine*. The following eulogy, prepared by his family, was read at his funeral in the college chapel:

We are so pleased to be able to celebrate Rick's life in this beautiful place and are very grateful to you all for joining us. Rick loved Emmanuel. During the years he lived here in Park Terrace he used to say that he had the best commute to work in the country. His children have very fond memories of Emmanuel too: feeding the ducks, Christingle services in this wonderful chapel, bouncy castles in the Paddock and, of course, the swimming pool. They did sometimes think it might have been better if their father had not had quite such a good view over Parker's Piece from his office window when they were socialising on their lunch breaks from Parkside School.

Rick was born in Birmingham in 1947. He was considerably younger than his sister Ann and brother Chas, who had been born before the war, and he thrived on the attention they gave the new baby in the family. Chas recalls him as a very happy child who was rarely seen without a wide smile on his face. The family enjoyed many holidays, travelling in those days by steam train to the West Country and to North Wales, where Rick developed a lifelong enthusiasm for castles. At an early age Rick showed his spirit by insisting on climbing Snowdon with his older brother rather than taking the funicular railway.

His parents were keen members of the local amateur dramatics society and introduced their children to live theatre at an early age, ranging from the Christmas pantomime to grand opera. Rick had a great enthusiasm for the theatre, which he passed on to his own children. When they were young, the Royal Shakespeare Company offered children's tickets for £1 and they became quite accustomed to the front row of the circle at the Barbican. Rick also enjoyed the summer productions here in the Fellows' Garden.

He followed his siblings to Yardley Grammar School, where he enjoyed playing rugby as the first team hooker in his last three years. He did say the problem with this arrangement was that the props kept getting smaller to the point where he was several inches taller than them: a situation he didn't recommend!

Rick did his undergraduate degree and PhD in biochemistry at the University of Bristol. He was president of the student biochemical society, where he met Jenny Stokes, the social secretary. They enjoyed socialising such a lot that when they had finished their degrees they got married! He became a Fellow here at Emmanuel in 1981. When his brother Chas asked him what becoming a Fellow involved, he said that it meant he was now able to dine on High Table in Hall, although in fact being a Fellow of Emmanuel became an integral part of his life, and he greatly valued the company and friendship of the Masters, Fellows and college staff.

Rick was a proud father to his three children, Ian, Judy and Simon, each announced to the college with a round of Chelsea buns from Fitzbillies. He was a hands-on father and

would fit at least two children at a time on his bicycle to take them to nursery or school. He shared with his children his love of science, books, arts and crafts, theatre, nature and Welsh castles. He was absolutely delighted to become a grandfather to Cora, whose own library he was enthusiastically cultivating. In his retirement he moved to Ely, a stone's throw from the cathedral. He walked in Ely daily, around the cathedral and by the river, only bemoaning the fact that he lived on top of the only hill for miles.

Having overcome his own difficulties, he became an active volunteer for the Cambridgeshire Drug and Alcohol Service. He said that his old research interests occasionally came in useful, since he was sometimes asked to talk about the molecular mechanisms of addiction and the interpretation of test data. His colleagues there have described him as an integral part of their Ely community. He was a pleasure to work alongside, and his compassion and commitment were wonderful. His help, support and guidance will be greatly missed. They, like many others, have told us of Rick's great sense of humour and dry wit. He received an award for 'going the extra mile' in his volunteering. After driving a client home from Addenbrooke's Hospital to Huntingdon through Friday evening traffic, he once said he felt he had gone the extra mile in a very literal sense!

During his youth he enjoyed sailing and skiing. Both sports he said were best when they stopped. On the whole, he felt he preferred skiing because it stopped sooner! He described himself as a bad birdwatcher and enjoyed the variety of bird life in the back garden of Park Terrace and then in Ely, where he followed the progress of the peregrines nesting on the cathedral balustrade with great interest. He spent many happy days at the Welney Wetland Centre.

He was an excellent and adventurous cook, often to be found in the kitchen in the company of Radio 4 and a cup of coffee. On Christmas morning we would wake to find he had been up for several hours, peeling sprouts and closely following Delia's Christmas cooking schedule. He was a keen photographer and a talented woodcarver. His taste in music was eclectic and often, to his children's surprise, rather trendy.

Rick was an avid reader and had a prodigious memory. He could be relied on for context and an informed opinion on almost any subject. Anyone entering his college office might have been surprised to find that a biochemist resided there, given the wall-to-wall shelving of novels, biography, history and art. These all went with him to Ely, where a visitor to his house once commented, perhaps accurately, that he must have more books than Ely library! He frequented the book stalls of Cambridge and Ely markets, and if you were trying to get somewhere in a hurry it was best to cross the road to avoid a second-hand bookshop. It was not uncommon, when asking what he had been up to, to receive the answer that he had been building more bookshelves! He enjoyed attending the regular author talks held in Ely Cathedral. A thoughtfully chosen book was a frequent gift from Rick, or as he described it: 'the usual, easy to wrap'.

Rick was a generous, kind, thoughtful man who will be greatly missed.

Bill Broadhurst, Fellow, delivered these words at the funeral:

I'm grateful for this opportunity to say a few words about Rick on behalf of the Fellowship here at Emmanuel and of the department of biochemistry. Rick was the person who recruited me to teach students here at Emmanuel, so if it wasn't for him, this college might not have become such a valuable part of my own academic life.

Rick studied for his undergraduate degree in biochemistry at the University of Bristol and then stayed on for a PhD. His research supervisor there was Dick Denton and, together with colleagues, they made key discoveries about the effects of insulin on fat tissue. After his graduation in 1971, Rick travelled to Denmark to take up an assistant professor role at Aarhus University, and then to America, where he worked at the National Institute of Health in Bethesda with Martin Rodbell, who later won the Nobel Prize for discovering G-proteins and the important role they play in cell signalling.

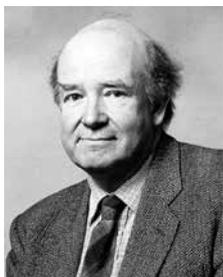
In 1973, Rick joined the biochemistry department here in Cambridge, first as a university demonstrator and then as a university lecturer. His research continued to focus on G-protein signalling pathways. More than half his publications involve experiments on adenylyl cyclase, the enzyme responsible for producing a crucial intracellular second messenger molecule called 'cyclic-AMP'. Rick also made some early discoveries about oscillations in the concentration of calcium ions inside cells, as well as authoring a widely used textbook on metabolic regulation.

The atmosphere in Rick's laboratory was lively, productive and occasionally raucous, especially in the summers when his long-term collaborator, Paul Voorheis, came to visit. There are tales of trips to the Alma Brewery between experiments on trypanosome parasites that required measurements every two hours. I can't vouch for the quality of data points that were collected after last orders had been called.

Rick was an enthusiastic teacher and took great pleasure and pride in the subsequent adventures of his PhD students and co-workers, many of whom have had prestigious careers, including Linda Allen, Mark Biffen, Martin Brand, Richard Farndale, Miles Houslay, Jonathan Monk, Steve Pennington, Jayne Raper, Jonathan Sandy, Aviva Tolkovsky and Steve Wong. He gave them opportunities to develop their own ideas and space to learn how to make their own way in life.

Research in his basement laboratory wasn't always plain sailing. Richard Farndale remembers a dust storm, caused by workmen cutting masonry in the boiler room, that left the lab looking like a grey moonscape, with drifts an inch thick near a window that couldn't be closed; and the fragrant day they discovered that the lab's disused floor drains in fact connected with the building's sewage system; and the day that a stray Mini drove right in through the window, which wasn't the most obvious way of unjamming it. Rick's wit was sardonic and could sometimes be scathing. At the end of one PhD viva examination, he wrote: 'We agreed to pass the candidate, since we understand that he is about to enter the world of finance, where he can do no further damage to the field of biochemistry.'

At Emmanuel, Rick was my predecessor in the role of Director of Studies for biological natural sciences. He had a keen sense of responsibility for the pastoral care of his students, and over the years he received many notes of thanks for assistance that went beyond the purely academic. On one occasion, when we were interviewing potential undergraduates, Rick attempted to shock an environmentally concerned candidate by announcing that he would happily shoot and eat the world's last panda if, in exchange, he could save a single insect species from extinction. The candidate turned out to have spent her summer on a cultural exchange in China and proceeded to explain in robust language exactly how his suggestion was likely to be received in Beijing. Knowing that we were beaten, we offered her a place. She came up to Emmanuel, got a First in plant sciences, spent a year at Harvard and then devoted her DPhil at Oxford to, among other things, unlocking the mysteries of panda DNA. Nobody else could ask questions the way Rick did.



MICHAEL DENNIS SAYERS (Fellow 1993–2021) died on 4 October 2020, as reported in last year's *Magazine*. Tom Corder paid the following tribute to him at his funeral:

Michael (Mike) would have loved this. He loved this building, this fine medieval church, and he would have loved it as it is now, filled with people, with song and with music. He moved to Harlton in 1985, needing a home closer to Cambridge for his new job, and he found everything that he was looking for here: this church, a house with a good-sized garden, and the promise of a traditional and welcoming village community, with a cricket club, a post office, a garage and a local pub.

He bought the house, just round the corner, joined the parochial church council and became churchwarden. He helped to repair the roof, the stonework, the plaster and the windows, even taking a few services to cover for absence. In later years, he used his own electronic organ, dragged from home, to convince the church council that the previous rudimentary one, sitting awkwardly against the north wall, should be replaced with something altogether more fitting. They agreed and he was asked to manage the design and installation of this glorious instrument, now in pride of place.

Heritage, tradition, community and technology were all dear to Michael. Michael's first degree was in physics but he chose a career in computing, excited by the fast-developing opportunities in hardware and software. He started work at ICL in 1969, made the move to academia in 1973 in Hatfield and then, successfully, applied to the computing service at the University of Cambridge in 1985. He was thrilled to be joining the ancient and world-renowned institution where computers were invented, designed and constructed, and to be given the chance to work with the engineers who had built them and the programmers who had created some of the first code.

Michael's time at the computing service, as deputy director to 1994 and then as director until 2004, spanned explosion and expansion, the 'big bang', of information technology. He and his colleagues were responsible for managing the transition from a centrally provided niche service to the massively distributed model we see today, from a few room-sized mainframes accessed by terminals over failure-prone links to a scattering of hundreds or thousands of devices connected by reliable high-speed networks across the whole city, and of course beyond. This transformation was made possible by the Granta Backbone Network, founded in 1992, a city-wide web of fibre-optic cables that is still being upgraded and extended today. The centralised services offered by the mainframes, such as Phoenix, were split into separate systems: the Public Workstation Facility, the Managed Cluster Service and Hermes, among others.

Michael loved his time at the computing service but, after ten years as director, with additional bureaucracy introduced by external reviews, he began to miss the swashbuckling engine-room scheming with staff and the competitive camaraderie among departments. On retirement from the service he said that the most important thing had been the highly skilled staff, true experts in their fields, whom he had been privileged to lead; he was proud of their work and did not believe there was any university in the United Kingdom with a better team.

Earlier, when still deputy, Michael had been encouraged to make a connection with a college, to foster understanding and collaboration. He applied to Emmanuel, just down the road, and was accepted. He fitted in very well and, unusually for someone without teaching responsibilities, was made a full Fellow in 1993. He loved the college's buildings, gardens and history; and he loved its life: the rhythms, the rituals and the people, richly enjoying their company when dining in Hall, taking coffee in the Parlour or simply chatting in the cloisters.

Michael was made head of information systems at Emmanuel, the year before being made director at the Computing Service. The college was very fortunate to have him.

I was Michael's fourth IT manager at Emmanuel, and we worked together for over 20 years. His college room, next to our office, was grand, with an impressive chandelier and a large iron radiator between the two second-floor windows overlooking St Andrew's Street. He would come into college at least twice a week, when I would lean on the radiator and update him on the issues facing the IT department. He would ask questions, cheerily challenge and offer support. Then, often for longer, we would move to other topics, such as some technology-related engineering issues besetting the ambitious model railway in his garden, or the challenges of recording this very organ to compact disc. We also shared a love of family, of cricket (particularly Test), of gardening, food, wine and politics. Our political outlooks were very different. He was a staunch conservative (of the traditional sort) and I was more left-leaning. This led to many impassioned discussions, particularly in recent years. However, despite giving ourselves plenty of opportunity, we disagreed but never fell out. I believe we made a good team.

When Michael retired from the computing service and moved his operations exclusively to Emmanuel, I remember one of his senior support staff telling me, with slightly unnerving relief, that supporting a pet project of his, the NPOR, would now fall to me.

The NPOR, the National Pipe Organ Register, was a background project of Michael's for nearly 30 years. It drew together many of his interests, capitalised on his technical and political strengths and, in development, demonstrated much of the evolving nature of computing. It began as a 'simple' database, a collection of transcribed records about church pipe organs, stored on a single machine, but it grew to be a public-facing web-based editable index of organs, pipes, buildings, sounds and images. By involving fellow enthusiasts, designing increasingly complex back-end storage structures, programming ever more sophisticated front-end interfaces and engaging with a succession of funding and specialist organisations, Michael corralled together his love of music, heritage, technology, information and people to create a lasting collection of authoritative reference material. It has sustained and generated interest in the field, and has been used to bestow recognition on organs of special historic significance, reducing the chance of them being forgotten and falling into disrepair. The NPOR was a project of passion that began at the Computing Service, moved to a cupboard in Emmanuel and is now owned and run by the British Institute of Organ Studies. Michael was awarded an honorary life membership by the institute in 2011 and made many good friends in the process.

In 2018, Michael was made Life Fellow at Emmanuel, having served for 25 years, and he stepped down as the head of college information systems. I am glad to say that, despite being recently separated by Covid-19, we remained in touch and were able to have more of our wide-ranging conversations. He was an excellent sounding board and had become a dear friend.

Throughout his life, Michael was at the centre of the truly historic transformation of computing at Cambridge, from an important but specialist concern of a subset of academics to a service critical to the whole functioning of the collegiate university: its teaching, research, communication and administration. He made changes for the many, and laid the groundwork for the future. When the sad news of Michael's passing was announced I received numerous messages from Fellows and staff alike: 'He was one of the good guys, one of the nice guys, and also one of the able guys'; 'perhaps the best-hearted' Fellow in the college; and he always 'had time to stop to talk to the staff' and 'had a smile on his face'. There is no doubt that he was a hugely respected and dearly loved member of the university community, and that he belonged at Emmanuel. The copy of his memoirs gifted to the college library bears the hand-written dedication 'To Emmanuel College, with affection and gratitude'. Those feelings are mutual.

Michael was cheerful, patient and honourable, intelligent, learned and sociable, with a clear and inquisitive outlook. He was a proud traditionalist – proud of the country, its heritage and its institutions – and yet he fully embraced and helped shape radical change.

He was an excellent boss who became a very dear friend, and I am among many who will miss him greatly.



JAMES DEREK SMITH (Fellow 1981–2001) died on 23 February 2022. His wife, Rona, has sent us the following obituary:

As soon as the age regulations allowed, Derek came to St John's College, Cambridge, on state and college scholarships. Two years later, he topped the accelerated fast-track degree course that existed then, winning the Rex Moir Prize. After two years on the Rolls Royce graduate scheme, he returned to Cambridge to complete a PhD thesis. This broke new ground in the understanding of the vibrations and dynamics of metals. Ten years were then spent trouble-shooting machine-tool problems in industry before he was invited to return to Cambridge to work on a two-year project: Derek always said it was the only 'temporary' job he ever had because, two years later, he permanently joined the 50 other members of the engineering department as a lecturer.

Derek really enjoyed being part of the small mechanics group that worked closely together over decades. With them, particularly with technician Frank Dolman, Derek's design ideas were developed into practical reality. Given his previous industrial problem-solving experience, Derek initiated liaisons with industry, solving specific problems. Any fees went back to the mechanics lab to enable the purchase of up-to-date equipment. This developed into consultancy work.

By the time he retired Derek had published books and many articles on vibration and gear noise, and been consulted internationally on technical problems. The gears varied from the size of the tiniest microchip to the huge ones, such as the ones he encountered in the pumps dealing with Cairo's sewage waste during some very hot, smelly 18-hour days underground! Both in work and at home he continued designing and making; he always had to have a project on the go, whether designing and building a house on the west coast of Scotland or making guinea-pig runs at home in Cambridge. As an examiner in the department, he delighted in setting questions that could be solved with an elegant two-line equation by those who fully understood Newton's laws and the fundamental principles of engineering. Many who encountered such questions found them fiendishly difficult.

Derek appreciated being a Fellow, then an Emeritus Fellow, of Emmanuel, enjoying the collegiate atmosphere and the supportive help of all the college staff. Covid-19 prevented him being able to continue the pleasure he took in maintaining contacts within college, which he used to do by cycling into college for lunch.

A lifelong partnership began in 1960 when Derek met Rona at a Scottish dance. Children followed the marriage; there are now six grandchildren. He has been described by them, and others, as calm, quiet, patient, generous, kind, with a wonderful wit and dry sense of humour. His stamina and determination were evident in the rigorous training he did for marathon running, regularly achieving times around two hours and 20 minutes. He moved into top gear when technical problem-solving and enjoyed speed when driving his Lotus Elan.

On the day the family moved into Selwyn Gardens in 1971 Derek stated he would only ever leave the house feet first! His wish was fulfilled. Very much loved, he died at home, being held by Rona, his family with him.

Chris Burgoyne, Fellow, writes, with thanks for assistance to Stuart Grassie of RailMeasurements Ltd and Hugh Hunt of Trinity College:

Derek Smith operated in the world where complex theories have to be understood but where theory alone is not enough. In the real world, machine tools vibrate and wear, so the surfaces they cut aren't what the designer had assumed. One has to know what one can measure and how it can be used to infer what one needs to know. Derek had the theory at his fingertips, but also knew how to do the experiments and how to improve the machine tool. It is little wonder that industry would beat a path to his door when things didn't do what the theory said they should be doing.

Gearboxes are fundamental to modern life; although we are most familiar with them in motor vehicles, almost every machine incorporates them in some form. At their simplest, a gear wheel attached to one shaft causes another gear on a different shaft to rotate. As undergraduates we were taught that there is an ideal shape for the teeth, known as an involute, so that both gear wheels rotate at constant speeds. As one pair of teeth lose contact, another pair makes contact; in theory it is perfect. But Derek Smith dealt with the real, imperfect, world. Gear teeth are machined from solid metal, and the shape is not easy to form, so cutting marks are left and the surface is no longer ideal. The teeth also transmit force, so they deform, and in a heavily loaded gearbox they deform more. The result is that even if one shaft rotates at constant speed, the other one doesn't; this mismatch is perceived by the observer as vibration, rattle or noise. In the limit, it can result in teeth being stripped from the gearbox: an expensive tow if you are driving on a motorway; probably fatal if you are in a helicopter.

Conducting experiments inside working gearboxes is impossible, so measurements of vibration have to be taken on the outside; what is going on inside has to be inferred. Derek was a superb experimentalist, devising systems to determine whether the problem lies in one gear wheel, or one tooth, or in a particular bearing. Is the problem generic or is it limited to one batch of parts? For many years he worked with Frank Dolman, who sadly passed away in July 2022 and was known as 'Derek's technician' in the engineering department, but he also worked closely with many other members of both the technical and academic staff.

Derek's sound understanding of theory, reluctance to rely on computer codes and ability to design both test equipment and the electronics within them led him to work in the myriad fields where mechanical vibrations, machine tools and contact mechanics interact. Many of these problems are exacerbated by the nature of the contact between two surfaces, known to engineers as Hertzian contact. Simplistically, the area of contact is infinitesimal so the stresses are infinitely large. This can't happen so that both surfaces

deform plastically; a typical railway wheel carries a load of about 12.5 tonnes through an area the size of a 5p piece. This repeated intense loading leads to deterioration in the surfaces, and both the wheel profile and the rail head have to be reshaped to correct the distortions and remove the defects. Wheels can be turned on a lathe, but the rail is treated by a specialist grinding train that is a major expense for railway operators around the world and interrupts the service for the customer.

Derek made major contributions to this problem in two ways. Some of these grinding machines were leaving corrugations on the rails. Derek was asked to investigate and determined that they were caused by vibrations within the grinding machine itself, which could be improved by packing them with grease to smooth out the wear. In addition, measurements of the resulting profile from the train were inadequate: poor repeatability, poor accuracy and no means of checking either. The solution was a 'corrugation trolley', largely designed by Derek, that could be pushed along the track, measuring both the longitudinal and transverse profile of the rail. He was involved with various versions of that trolley that are in common use today and are still among the best equipment available to measure rail corrugation and acoustic roughness on rails, with sub-micron repeatability for measurements made at walking speed. The paper that was written on this instrument in 1999 remains the basic reference cited today by those who measure rail corrugation and acoustic roughness.

When Derek returned to Cambridge as an assistant director of research, working with Donald Welbourn (Emmanuel, 1934), both were Fellows of Selwyn. For some reason, Derek was not happy there and resigned. Welbourn subsequently recommended him for a Fellowship at Emmanuel, where Derek supervised in most subjects across Part I of the engineering tripos.

Derek was the archetypal boffin: master of theory and of practice, but not particularly interested in building the large research team that would have led to a chair, or in the administration that would have led to departmental responsibilities. He didn't advertise himself to the outside world, but it is notable that once a company had come to him for expert advice they returned to him many times. He has left a valued contribution to his profession and to the college.



JONATHAN WILLIAM NICHOLAS NICHOLLS (1978, Professorial Fellow 2007–16, Emeritus Fellow 2016–22) died on 15 March 2022. This obituary was compiled by the *Magazine's* editor in consultation with Susan Rasmussen, Jonathan's widow.

Jonathan Nicholls had a distinguished career as a university administrator. He was born on 16 June 1956 and attended Culford School in Bury St Edmunds. He took a first-class degree in English at the University of Bristol in 1978 and then matriculated at Emmanuel College for the English faculty's doctoral course. He

won a prestigious Herchel Smith Scholarship to pursue his medieval studies at Harvard in 1981–82. At Emmanuel, he studied with Derek Brewer, producing a dissertation entitled 'The matter of courtesy: a study of medieval courtesy books and the Gawain-poet'. The degree was awarded in 1984, and the dissertation was published in 1985 by Brewer's press at Woodbridge, Suffolk.

Jonathan went into university administration first at the University of Warwick, where he rose through the ranks and was appointed Registrar from 1999 to 2004. He then served as Registrar and Secretary at the University of Birmingham from 2004 to 2007. He was appointed Registry at Cambridge in 2007, serving until 2016.

The Registry is a member of the senior leadership team of the university, supporting and advising the vice-chancellor. By statute, the Registry is 'the principal administrative officer of the University', responsible for the Unified Administrative Service (academic administration, estates, finance, human resources, governance, sport and supporting professional services) and committee arrangements including a role as Secretary to the Council. The University recognised Jonathan's contribution with these words: 'At Cambridge, he was an immense presence, bringing intellect, a deep understanding of the UK higher education system and a formidable work ethic to his role. He worked closely with two Vice-Chancellors – Alison Richard and Leszek Borysiewicz – and was a key contributor to the development and expansion of the university during their tenures. Jonathan also oversaw the development of the Unified Administrative Service. He cared deeply about the role that the UAS, and wider community of professional services staff in schools, faculties and departments, played in supporting the university's academic mission.' Many have commended his broad and imaginative vision for the university and his deft pragmatism; nor did he neglect the university's more ceremonial practices.

His multi-faceted engagement won him praise for supporting the University Press, the museums, the university's initiatives in Singapore and more local efforts at gender equality. He was also an active governor of the Cambridge University Hospitals NHS Foundation Trust. He served as a school governor at the Hills Road Sixth Form College and as a founding governor of the University of Cambridge primary school, which took its first pupils in September 2015 and is a key feature of the Eddington development.

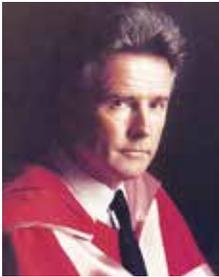
The university's obituary continued: 'Despite his demanding schedule, which also included significant voluntary commitments, he took a frequent and active interest in developing staff. Many people – at Cambridge, and at other universities where he worked – benefited from his interest in their careers; his willingness to support, advise and provide opportunities for progression.'

When he returned to Cambridge as Registry, Jonathan rejoined Emmanuel as a Professorial Fellow. His official duties were outside the college, but he was in a position to exercise helpful support as the college negotiated with the university to acquire the land for the current building development along Park Terrace. However, he was mostly regarded as a valued presence at the college. While modest, he was regarded as wise and astute,

supportive and caring, and entertaining and sociable: an immensely likeable figure.

After leaving Cambridge, Jonathan remained very active. He was a member of the Council of the University of Sheffield, a consultant with the law firm Shakespeare Martineau, acting secretary of the Open University from 2018 to 2020, and an adviser to FutureLearn, an online learning operation. Based in Leamington, he also served as a councillor on the Warwick District Council.

Jonathan died in an accident on 15 March 2022: while out cycling with friends, he fell from his bike and suffered a catastrophic brain injury from which there was no hope of recovery. His friends and colleagues from across his career were shocked and deeply saddened by his sudden demise. Several of his organs were donated to recipients; even after death, he continued to make a huge difference to the lives of others.



JOSEPH ('JOE') MICHAEL POWELL (Visiting Fellow 2001) died from prostate cancer on 7 July 2022 in Cabrini Hospital, Malvern (Victoria, Australia). The following obituary has been provided by Alan Baker, Fellow:

Joe Powell was our Visiting Fellow at Emmanuel for the Lent term 2001. Born on 27 December 1938 in Bootle, then a run-down dockland district of Merseyside, Joe's working-class, Catholic family had few resources. His family of two adults and six children lived in a three-bedroomed house. His father worked for a carpet firm; his mother ministered to the family. Joe left school in 1954, aged 15, to take up an apprenticeship with an electrical engineering company. This experience was not to his liking. He joined the Electrical Trades Union but his fellow-unionists recognised the young spark in their midst and urged Joe to return to education. He sought and was granted the revival of his 11-plus scholarship to his former Catholic, direct grant, grammar school, St Mary's College. After taking O- and A-levels, he was admitted in 1957 to the University of Liverpool to read geography, graduating in 1960 with a BA and in 1962 an MA, with his research dissertation on the economic geography of a Welsh county, Montgomeryshire, in the nineteenth century. He became a graduate assistant in the university's geography department in 1962–63. Then followed one year as an assistant lecturer at St Mary's College in Twickenham, a Catholic teacher-training college affiliated to the University of London's Institute of Education. Perhaps, even probably, disenchanted about his own prospects for a career in higher education in Britain, Joe migrated to Melbourne in January 1964 on a two-year teaching contract at the young Monash University, founded in 1958. There he struck up a friendship with native-born Australian Suzanne (Suzie) Geehman, a teacher trainee, and they married on 28 December 1967, one day after Joe's twenty-ninth birthday. Joe pursued an outstanding and focused teaching and research career in geography at Monash University for 35 years, progressing from a senior teaching fellow (1964–65) to

lecturer (1965–69), senior lecturer (1970–77), reader (1977–92) and professor (1992–99), then retiring as emeritus professor.

As well as numerous peer-reviewed research papers, Joe published a dozen major books, including in 1988 *An Historical Geography of Modern Australia: The Restive Fringe* in the Cambridge University Press series, *Studies in Historical Geography*. This book, covering the white occupation and development of Australia from 1880 to 1986, has become a classic. From that broad foundation, Joe went on to produce a suite of studies on the history of resource management and settlement in Australia, notably studies of water management in Victoria, the Murray-Darling Basin, Queensland and Western Australia. Alongside his research and teaching interests, Joe developed and forcefully expressed his concern about the managerial and materialistic development of higher education in Australia especially but also globally.

In 1969, Monash awarded Joe a PhD and in 1983 a DLitt. In 1985 he was elected a fellow of the Academy of the Social Sciences of Australia and in 2002 a corresponding fellow of the British Academy. In 2008, when Joe was awarded the distinguished Griffith Taylor Medal by the Institute of Australian Geographers (only one is awarded each year), the citation read: ‘Possibly no geographer has contributed more to an understanding, and indeed a promotion, of the role of geography and geographers in Australian life, and arguably no Australian geographer has so influenced academic history and historians in this country’.

Joe Powell was fascinated by following in the footsteps of another English-born Australian geographer, Thomas Griffith Taylor, who had emigrated at the age of 13 with his family to Sydney in 1893. Taylor became a famous, indeed notorious, geographer at universities in Sydney, Chicago and Toronto. His writings on environmentalism and race were highly controversial. Joe’s first contact with Emmanuel was in 1978 while on a research visit to Cambridge: on 17 November, he presented a paper to a series of occasional discussions in historical geography held on Friday evenings in my room in college. Joe titled his paper ‘Griffith Taylor and environmental management in Australia’. Joe’s extended critique of Taylor’s life and work was subsequently published as ‘Thomas Griffith Taylor, 1880–1963’ in *Geographers: Biobibliographical Studies* 3 (1979), 141–53.

Taylor obtained a BSc from the University of Sydney in 1904 and a BEng in 1905. Awarded an 1851 postgraduate scholarship, Taylor aged 27 came to Emmanuel in 1907 and gained in 1909 a Cambridge BA by research on the several packing-cases of *Archaeocyathinae* fossils he had brought with him. (Taylor is one of the *Forty-Nine Lives: An Anthology of Portraits of Emmanuel Men* (1983) elucidated by Frank Stubbings.) Taylor was selected by Robert Falcon Scott as the senior geologist for his Terra Nova expedition to Antarctica in 1911–12. When Joe Powell concluded his stay as our Visiting Fellow at Emmanuel in March 2001, he gave me a photograph depicting Taylor and his colleague, Frank Debenham, in their base hut in Antarctica in 1911. Debenham, a native-born Australian, co-founded the Scott Polar Institute in 1920 and was appointed professor of geography at Cambridge in 1931. [The photo is now in the College Archives (ref PPO.i.128) and was reproduced in the 2016–17 *Magazine* p21.]

Joe Powell was a prolific historical geographer whose powerful influence on the discipline was extended by his firm promotion of its relevance to current issues of environmental management, of heritage and conservation, and of public policy in the fields of planning and education. He was both a first-rate scholar and also a fierce advocate of the links between geography and history and of their humanistic relevance for the domain of public policy. Joe became the foremost historical geographer of his generation in Australia. His personal journey from Bootle to Melbourne was remarkable. During it, he never lost touch with his roots but increasingly adopted Australia as his home, acquiring Australian citizenship in 1973, embracing its past, its present and its future. In concluding his 1988 book with the exhortation, 'Let the past serve the present', Joe was echoing, in all probability knowingly, Bootle's motto *Respice, aspice, prospice* ('reflect on the past, consider the present, provide for the future').



VICTOR PERCY SNAITH (Fellow 1969–75) died on 3 July 2021 as reported in last year's *Magazine*. We have been sent the following obituary from his daughter, Anna:

Victor Percy Snaith (1944–2021) was a mathematician and beloved husband, father and grandfather. He passed away on 3 July 2021, after a long struggle with myelofibrosis. Victor was born on 15 March 1944 in Colchester, Essex, to Sylvia May Botham and Victor Harry Yaraslaw-Paddon, a private in the Army Air Corps during the Second World War. Sylvia divorced Yaraslaw-Paddon and married Alec Vasey Snaith, who worked for a Doncaster fruit company and adopted Victor in 1949.

As a pupil at Scunthorpe Grammar School, Victor's abilities in mathematics were recognised by his teacher, Dennis Travis, who wrote on his final school report that 'academically, I believe he will probably do better than any previous pupil of this school'. A lifelong love of chess was also nurtured in these early years as Victor played for his school team, the Scunthorpe Steel Works and at Cambridge University.

Victor studied at Pembroke College, Cambridge, between 1963 and 1966 and graduated with a BA in mathematics. Thereafter, he took MSc and PhD degrees at the University of Warwick in 1967 and 1969. His PhD, on complex K-theory, was supervised by Luke Hodgkin. While at Warwick, he met Carolyn Byers whom he would marry in 1969 and with whom he would have three children: Anna, Nina and Daniel. In 1969, Victor returned to Cambridge to become college lecturer at Emmanuel College until 1975. He maintained his affiliation with the university throughout his career, returning in Michaelmas 2002 as a visiting Fellow at Emmanuel and keeping in touch with fellow Pembroke College undergraduates through regular reunions.

In 1975, Victor moved to North America, where he spent a year at Purdue University before taking up a professorship at the University of Western Ontario. At UWO he galvanised a research group working in algebraic topology that remains a strength of the mathematics

In 1975, Victor moved to North America, where he spent a year at Purdue University before taking up a professorship at the University of Western Ontario. At UWO he galvanised a research group working in algebraic topology that remains a strength of the mathematics

department. He moved to McMaster University in Hamilton, Ontario, in 1988 to take up the first Britton Professorship of Mathematics. Victor was elected a fellow of the Royal Society of Canada in 1984 and named fellow of the Fields Institute for Research in the Mathematical Sciences in 2002, on whose founding committee he had previously served for a decade.

Although mathematics was his vocation and all-consuming passion, Victor had an infectious intellectual curiosity and wide interests across the arts and sciences. His hobbies included playing a range of instruments, including the classical guitar and the concertina. He was a gifted actor, cast in roles as diverse as the pantomime dame and Lenin. He and Carolyn were never far from their next DIY project and enjoyed hiking in the Canadian wilderness and sharing their love of folk music and dance. He published a novel, *The Yukiad*, in 1990 and wrote several plays.

In 1998, Victor returned to the United Kingdom to take up a professorship at the University of Southampton and subsequently moved to the University of Sheffield, from which he retired in 2009. He was a visiting fellow at the Heilbron Institute at the University of Bristol in 2006–07 and remained an active member until his death. Colleagues describe his ‘absolute and full devotion’ to his work and his tremendous ‘energy for pursuing new frontiers in mathematics’. Victor was also known for his dedicated mentoring of graduate students. His work made significant contributions to the fields of homotopy theory, algebraic K-theory and number theory.

In both professional and family life, Victor was a force of nature, known for his irreverence, sense of humour and gifts as a raconteur. He was adored by his six grandchildren, with whom he was always up for games of football, cricket or days out by the coast. In recent years, he could be found singing in local choirs in Bristol and rekindling his love of chess. Victor was an annual finalist in the Winton British Chess Solving Championship, played for Grendell Chess Club and founded a chess club in his local café.

Victor died peacefully at home with his family on 3 July 2021 at the age of 77, having faced his worsening illness with bravery and stoicism. Until days before his death he was doing chess puzzles, solving fiendish anagrams and working on his post-retirement ‘Derived Langlands’ project. He is survived by his wife Carolyn and his daughter Anna, Professor of Twentieth-Century Literature at King’s College London, his daughter Nina, Professor of Mathematical Physics at Bristol University and his son, Dan, a musician who performs as Caribou. Victor Snaith is deeply missed by his family, colleagues and friends.

We are very grateful to relatives and friends who provide information for inclusion in this section, and would be glad to receive fuller appreciations of those whose deaths are noted only in the *Lists* section of this *Magazine*. The names below are arranged in order of matriculation date and alphabetically in the table of contents.



ARYEH LEONARD NEWMAN (1941) died on 20 October 2021. His family have sent us the following obituary:

Aryeh Newman was born in 1924 in Leeds. He was the son of Russian Jewish immigrants and was brought up in an orthodox Zionist household. He was one of five children and they all received a secular education along with extensive Jewish and Talmudic studies. By the time he was eight years old he had gone through an entire encyclopaedia and was able to retrieve the knowledge he had acquired, from memory, throughout his life.

In 1941 Aryeh won a scholarship to study English literature at Cambridge. He chose Emmanuel College, following in the footsteps of his English teacher at the high school he attended in Leeds.

He graduated with honours and obtained a Master's degree. His tutor was the literary scholar, Joan Bennett. In the course of reading out a tutorial essay on the classical and Judaeo-Christian elements in moralist literature, he was startled to learn that his tutor had Jewish ancestry. This set him off on a journey researching Joan Bennett's family, the Frankaus: in 1987, he published an article titled 'From exile to exit: the Frankau Jewish connection'. Aryeh kept in touch with Joan and her husband Stanley for many years after he had graduated and visited them whenever he was in Cambridge. His two younger daughters remember one such visit by the pond in Emmanuel in 1965, when Joan Bennett marvelled at the fact that they were totally bilingual and conversant in both English and Hebrew ('the language of the Bible' as Bennett put it). He also kept in touch with her daughter, Margaret Gaskell, who passed away in 2019. In addition, Aryeh and his late wife (who passed away in 2011) became close friends with Joan Bennett's nephew John Frankau and his late wife. In fact, John and Aryeh spoke via Zoom only one month before Aryeh passed away.

During his studies in Cambridge, Aryeh became an ordained rabbi, at the age of 19, under the aegis of Rabbi Professor K Kahana-Kagan, a refugee rabbi from Lithuania whose wife and children had perished in the Holocaust. Aryeh's studies of Talmud and religious codes for rabbinic ordination were accepted as a recognised course of study by Emmanuel, a unique occurrence in the history of this Protestant establishment. Aryeh's father, Simon Newman, who was a prominent building contractor in Leeds and a graduate of East European and Hungarian *yeshivot* as well as self-educated in modern pedagogy, highly valued a secular education and extolled those individuals who combined secular

scholarship and Torah observance, reinforced by his own experiences as a teacher in the first Jewish trade school in London. Wanting his son to become the next chief rabbi of England, his father made sure that he had a very extensive education in both Biblical and Jewish studies as well as secular ones, and had him tutored privately. As Aryeh himself wrote, his father made him read 'not only Dickens but also *The Nineteen Letters of Ben Uziel*' and wanted him 'to be equipped with the skills to study Torah on his own, and succeeded'. However, being a fervent Zionist, Aryeh had other plans for himself.

Aryeh was also heavily involved in the Jewish Student Union while at Cambridge University, and was elected president of the Jewish Society, which became a very active body during his time: many Jewish evacuees from the Blitz and those attending the London University colleges transferred to Cambridge, as did refugees from Nazi persecution. As a former president of the society, he wrote an article for the fiftieth anniversary of the Cambridge University Jewish Society, published in the book *Gown and Tallith* in 1989.

Aryeh met his wife, the Manchester-born novelist Renee Crane Newman, while she assisted in the war effort in Cambridge as a volunteer for the Red Cross. They married in June 1945. In 1949, following the declaration of the State of Israel, Aryeh emigrated to Israel with his wife and their two children (two other children were born in Israel), and was finally able to carry out his plan to live and settle there. He fought in the Six-Day War and the Yom Kippur War.

Aryeh thought he would end up as the head of the English literature department at the Hebrew University of Jerusalem. However, destiny carved out a different path for him, which led him to become a lecturer and the head of the department of English as a foreign language at the Hebrew University and a leading expert in the field of linguistics of translation equivalence. He was a member of the Linguistic Association of Great Britain and the Israel Association of Applied Linguistics.

Aryeh started out as director of English education programmes in the department for religious education and culture at the Jewish Agency of the World Zionist Organisation. Under the auspices of the Jewish Agency, he spent two years in Australia and while there founded the Yavneh College Primary Jewish Day School in Melbourne.

During his career at the Jewish Agency and at the Hebrew University, he translated, edited and adapted the works of Nehama Leibowitz's studies in the Pentateuch. As the late former chief rabbi of South Africa, Louis Rabinowitz wrote at the time: 'Aryeh Newman has done for the English-speaking world with the works of Nehama Leibowitz what Shmuel Ibn Tibbon did for the Hebrew-speaking world for Maimonides'.

Aryeh returned to Cambridge University as a research scholar in the department of linguistics, and received a postgraduate diploma in general and applied linguistics. He then completed his doctoral thesis in linguistics, published as *Mapping Translation Equivalence* (1980). Eugene Nida wrote that the title of this book 'is in a sense too modest, for Newman has incorporated highly significant insights with regard to various aspects of a fundamental theory of translation'. Indeed in 2013, in her introduction to the history and development of

translation, Betlem Soler Pardo of Valencia University cited Aryeh 'for being a thinker who dealt with the subject of translation' along with 'Horace, Pliny, Quintilian, St Augustine, St Jerome, John Dryden, Miguel de Cervantes, Novalis, Johann Wolfgang von Goethe, Percy Bysshe Shelley, Ezra Pound, etc'. Nida also states that the analysis in the book is unique because it is based on 'actual texts rather than utterances or artificially constructed sentences' as well as upon the author's 'considerable experience as a teacher of English as a foreign language in Israel and his considerable involvement in translating from Hebrew into English'. According to Jan de Waard, 'the ideas expressed in this book are important for every Bible translator'. The book was also reviewed by linguist John Trim and is one of the five books in the John Trim book collection on translation, theories and techniques.

Aryeh contributed to many encyclopaedias including *Encyclopaedia Judaica*, *The Jewish Encyclopaedia*, *Encyclopaedia of Judaism*, *Encyclopaedia of Zionism*, *The Oxford Dictionary of the Jewish Religion*, *Encyclopaedia of Language and Linguistics* and *Encyclopaedia Hebraica*. Aryeh also served as a visiting professor at St Andrews University, the University of California Berkeley, the State University of New York Binghamton, Monash University, Macquarie University and Australian National University.

Cambridge was for him a second home. He knew it like the palm of his hand and spent the summer months there, going to the University Library, visiting his old haunts and friends and spending most of his time writing research papers. His latest research was for a book on *The Oral and Written Interface*, for which he had finished collecting all the material. However, sadly, he passed away before completing his book and had only managed to write the chapter dealing with the oral and written interface in Jewish prayer traditions.

He dedicated his life to education and would want to be remembered as an educator. His granddaughter, who is trying to follow in his footsteps, wrote upon his passing: 'His modesty and humility continue to be an inspiration to me and I hope to make as big an impact as my *Sabba* [grandpa] has had on the Jewish world and on the connection between Israel and the diaspora'. Another relative wrote that 'he was erudite and made a great contribution to Jewish life and knowledge in Israel and beyond with his scholarly work. His cousins admired him for his Zionism and being a genuine and great *Talmid chacham* [rabbinic and Talmudic scholar].'

For the last six years of his life Aryeh lived with his youngest daughter and her family in Jerusalem and enjoyed spending his time transmitting his Torah knowledge and humanistic Judaic philosophy to his grandchildren and taught them that 'virtues maketh the man'. His favourite pastime was reading books on linguistics and Jewish history and philosophy. Aryeh Newman was fully *compos mentis* to the end and in good health for his age. He died peacefully in his sleep at home at the age of 97. May his memory be for a blessing!



Brian Luard, far right, holding the ball and making a dash for the try line

BRIAN GODFREY LUARD (1926) died on 20 April 2020. We have been sent the following obituaries by his son, Chris:

My father was born on 1 January 1926 and was 94 years old at the time of his death. He only spent several months at Cambridge before joining the Royal Engineers in 1943, but he had very fond memories of his time at Cambridge and greatly enjoyed attending Emmanuel Society events. After serving in India and Iraq during the war, my father was

demobbed in 1948 and became a prep school maths teacher in Eastbourne during a long and dedicated career at Ascham and St Andrew's. My father was a noted Eastbourne rugby player and was capped over 40 times by Sussex, besides having a trial for England in the late '50s.

Obituary from Old Androvian:

In the history of Ascham and St Andrew's, Brian stands as one of the longest serving members of staff to have taught in both schools. Appointed to teach mathematics at Ascham in 1951, his career spanned 40 years until he retired from St Andrew's in July 1991. A Sussex man through and through, he lived for almost 90 years in Eastbourne and was devoted to Gill, his wife of 61 years, and their three children, Carolyn, Nick and Christopher, who loved him dearly for his kindness and dry sense of humour.

Brian was born on 1 January 1926 in north-east India, where his parents managed a tea estate. On returning home they settled in Eastbourne and ran the Chalk Farm Hotel for many years. He attended St Cyprian's School before going on to Eastbourne College. Sport played a huge part in his career there and he became a prominent member of both the first fifteen rugby and first eleven cricket teams. He joined the army in 1943 and served in India and Iraq during the war before being demobbed in 1948. Having played virtually no rugby in the army, he swiftly rectified matters on returning home. In the 1948–49 season he not only played his first game for Eastbourne but was also selected to play for Sussex. He went on to be capped over 40 times, more than any other county player at the time, and was even given a trial to play for England. As an outstanding centre, it was his formidable tackling that made him an automatic choice for Sussex for so long although, as a man of great modesty, he found his selection a matter of genuine surprise. In many of the county games against the likes of Middlesex, Surrey and Kent, it was Brian who was tasked with marking the opposition's 'danger men', many of whom were international players.

While at Ascham he was house tutor for the headmaster's house before being appointed housemaster of Sillem, one of the dayboy houses. When the merger of Ascham

and St Andrew's took place in 1977, Brian was one of the staff who came up to teach at St Andrew's. Here too, he not only taught mathematics but also took charge as housemaster of the day children as well as set tutor of Stags.

Brian touched the lives of many pupils during his long and dedicated career at Ascham and St Andrew's. Pupils at both schools respected his 'firm but fair' approach within the classroom and the high standards upon which he insisted. Parents recognised and appreciated the experience and wisdom he displayed when dealing with their children. Colleagues also spoke of his kindness and calmness that prevailed, whatever the situation. But it is perhaps his modesty that many will also recall despite his many achievements. Both schools benefited hugely from the loyal service he gave over 40 years and many OAs will recognise and appreciate the influence and encouragement that he brought to their prep school days, whether that was in the classroom or on the sports field.

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Obituary from Old Eastbournian:

Brian Godfrey Luard (Powell 1939–43), born on 1 January 1926 in India, died peacefully, following a short illness, on 20 April 2020, aged 94. He was the son of Godfrey Luard, former tea planter, and his wife who together managed the Chalk Farm Hotel, Willingdon. Devoted to his family, Brian was dearly loved by his wife Gillian, children Nick (Powell 1973–77), Christopher (Craig 1983–88) and Carolyn and his two grandsons, Michael and Matthew. At the college Brian was a house prefect, a Stag 1942–43, a member of the cricket eleven 1943–44, captain in 1943, a member of the boxing team in 1942 and captain in 1943. He was a sergeant in the OTC.

He left to join the Royal Engineers and served as a sapper in India and Iraq in 1943–48. On leaving the army, in 1951 Brian joined Ascham as a teacher and in due course became housemaster of Sillem, moving on to St Andrew's in 1977. He retired in 1991 when he was 65. He played rugby, mainly as a centre, for the Eastbourne town first fifteen for many years, and over 40 times for Sussex, having a trial for England in the late '50s. Robin Brown (Pennell 1945–49), who played with Brian for Eastbourne and Sussex, says, 'He was a fearsome tackler, always round the ankles, and because of that no-one ever ran through him. I recall one match when we were both playing for Sussex away against Northampton and Brian did one of his fearsome scything tackles on Jeff Butterfield, the well-known England player. Jeff didn't get up again very quickly and wasn't best pleased.' An article in the *Eastbourne Herald* in 1959 claimed that it was Gillian who kept him playing rugby. As he said, 'She keeps on at me to play – probably she's afraid I'll get fat'.

A kind, modest man with a wonderful sense of humour, he was a much-loved teacher at Ascham and St Andrew's for many years.

© *Old Eastbournian Magazine*



ROGER STANLEY CHAPMAN MBE (1948) was born on 16 May 1928 and died on 8 October 2020 at the age of 92. His daughter, Bryony, has sent this obituary:

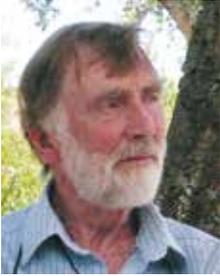
Roger's early years were spent in Surrey and then in Pitlochry, where the Leys School in Cambridge had been evacuated for the war. It was on his first train journey up to Pitlochry that he met fellow Leys student, Pip Havelock, his lifelong friend, best man and fellow Emmanuel student.

In 1946, 'war call up' (precursor to National Service) took him to Heybrook Bay near Plymouth, looking after radar equipment on the coast. His two-year call up was extended by three months so he could not take up his place at Emmanuel College at the same time as his friend, Pip, but had to wait until the following academic year. He arrived in 1949 to study French and German, but soon changed to economics, which led him to become a chartered accountant, finally qualifying in 1955.

He met his beloved wife, Joyce, on a holiday on the Broads; they married in 1954, had three children and both lived into their 90s. They lived in the same house, Larchfield in Ashted, for 60 years, celebrated their sixty-fifth wedding anniversary and enjoyed their seven grandchildren and three great-grandchildren.

Roger became a partner in an accountancy firm in the City. His most-loved job was as secretary and treasurer of the Field Studies Council, where he became heavily involved in the running of the organisation, a role for which he was appointed MBE. His retirement from the FSC in 1989 was followed by 30 years of volunteering, which included serving as treasurer of the Friends of Juniper Hall (an FSC field centre near Dorking, which he founded), treasurer of the Leysian Mission (which merged with Wesley's Chapel), and trustee of the Freeman's Trust and the Chapman Charitable Trust.

He remained active at home in his long retirement, cutting and harrowing his hay fields on his old tractor, horse riding and looking after the dogs and tortoises: he was still mowing the lawn and completing the *Telegraph* daily cryptic crossword until the day he died. In 2017 he embarked on an ambitious project to build a new, more accessible house. Sadly Joyce died just before it was completed but he moved there in March 2020, enjoying the views over his old hay fields and readily embracing Zoom for daily calls with his family during Covid-19 restrictions. His family take comfort that he always remained bright in mind and spirit, and we continue to miss him tremendously.



ANTHONY ROBIN BLACKWALL MOULSDALE (1948) has died. We reproduce here the obituary, written by Richard Hudson, which appeared on the Shrewsbury School website:

Robin Mouldale, revered former housemaster and teacher, sportsman of distinction, sometime president of the Old Salopian Club and, in the second half of his life, mystic seeker, has died at the age of 93. Robin was born on 6 October 1928 in Berkshire where his father, himself a distinguished games player, was a housemaster at Bradfield College. From Durlston Court prep school, then in Swanage, Robin followed his brother to Ingram's Hall where, by the time he left in 1946, his list of schoolboy successes was impressive: praepostor, captain of an unbeaten football eleven, captain of fives, and editor of *The Salopian*. Both his father and brother had been to Emmanuel College, so it was natural that Robin would follow them there, reading history and English and obtaining a golf Blue and a fives Half Blue.

After a short spell teaching in a prep school, he joined the Shrewsbury School staff in 1951, invited back to teach by Jack Peterson at the instigation of Tom Taylor, the master-in-charge of football, who saw in Robin a worthy successor. With other young bachelors, Robin played a large part in the revitalisation of Shrewsbury after the Second World War, making his energetic presence felt in many areas. In Old Salopian sporting activities, he played a part unrivalled, save perhaps by Alan Barber in an earlier generation: captain of four winning Arthur Dunn sides, winner (with Dick Kittermaster) of the fives Kinnaird Cup on three occasions, a tireless Saracen and for many years a major figure in the Halford Hewitt golf competition.

In 1955 he married Julie Millen, whom he first met on the ski slopes, and the next decade was punctuated by the arrival of their five children. But if Robin's schoolmaster career might so far seem to have been set in a conventional mode, things were about to change. 'As soon as I grew up, which was a few years after I started teaching', he later wrote, 'I began to be very critical of a lot of things in public schools'. His progressive ideas were to be seen in practice when he took over Moser's in 1962, and over the next 14 years he not only radically transformed the house but also played a major part in transforming the school, spearheading a change of emphasis from a hierarchical power system to a cooperative and caring community, steering into uncharted waters through the turbulence of the 1960s. In his own words, 'I make every senior boy a monitor; each has his own sphere of responsibility but no power to punish; I am saying to them: this is the next stage in your development, to take responsibility for others ...'. Away went beating, privilege and doulung; yet structure remained, boundaries were clear. There was nothing sloppy or lax about Moser's, and in the record of school achievement, few houses could point to a more sustained record of success. Let one former Moserite speak for most: 'He was an enormous influence on me ... we didn't realise how much of an influence until after we had left. He is a big part of my character.'

In 1979, following in the footsteps of his staff colleague David Brown, Robin travelled to India on sabbatical leave and became a lifelong follower of Bhagwan Shree Rajneesh, also known as Osho. This revelatory experience changed his life completely and led him away from Shrewsbury in 1981 and, after Julie's tragic death from multiple sclerosis in 1988, to his second marriage to Gyanrani, whom he had met in an ashram. Gyanrani was a devoted soulmate and survives him. After Shrewsbury, Robin taught for a while in the state sector in Gloucester, revisiting India several times, also spending time in Oregon, developing his understanding of the teachings of Osho, and latterly of another mystic, Douglas Harding. In the last decades of his life he lived in Bridgnorth, visiting Shrewsbury School as often as he could, in support of school and Old Salopian football.

Robin seemed able to hold in complete balance both sides of his life. In the words of his oldest son, Johnny, 'Right to the end he could be utterly conventional, following the football scores and taking an interest in his many grandchildren and great-grandchildren, whilst never putting aside his central passion for meditation and self-exploration'. In 1999 he was thrilled to be invited to be president of the Old Salopian Club, an office he served with his trademark enthusiasm, remaining to the end of his life deeply interested in all matters Salopian.

© Shrewsbury School website



BERNARD FRANCIS CLIVE BURTON TD (1950) died on 9 September 2021. The following obituary has been co-written by his son, Nicholas, and daughter, Helen:

Bernard Burton passed away on 9 September 2021, one day after his ninety-first birthday. Dad was born in 1930 in Derby, second son of Edith, a history teacher, and William, an electrical engineer, and younger brother to Michael. Like most people of his generation, his childhood and education were disrupted by the war, and his school was evacuated *en masse* to Amber Valley in Derbyshire. For many years, well into the early 1990s, he used to go to the annual Amber Valley reunion, taking his old headmaster along as well.

On finishing school, he undertook his National Service and was posted to Germany. While a lot of people did not like their experience, Dad was the reverse, enjoying it as well as taking the opportunity to collect lifelong friends along the way (something he would do throughout his life), including a couple who were working for the Australian Embassy in Berlin arranging emigration visas to Australia. He kept the friendship going with regular correspondence for well over 50 years, long after they returned to Australia.

In 1950, when he returned to England, he went up to Emmanuel to read maths. He was an active member of the college ski club as well as of the Amateur Dramatics Society. His time at Cambridge lived with him throughout his adult life and was something of which he

was very proud, often wearing his college tie. He was also a regular attendee at Emmanuel reunion dinners.

Upon graduating, he became a chartered accountant, gaining his articles while working at a small accountancy firm in Nottingham. After a few years in Nottingham, he moved to London and got a job with ICI at their head office in Millbank. His career was developing well and he started travelling all round the world, working with the various overseas interests of ICI, including South America, the United States and Iran as well as a stint living in India working for the ICI operation there. He was also a captain in the Territorial Army, ultimately receiving a Territorial Decoration medal for long service.

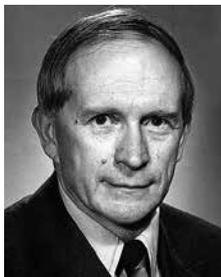
It was during this time that his love of skiing had a major impact on his life. While skiing in Austria with a school friend he met Elizabeth, whom he married in May 1970. A year later, he was promoted to ICI pharmaceuticals division (later to become AstraZeneca), which was at the time based in the north-west of England, in Cheshire. In order to take up this new position, he moved himself and his pregnant wife half-way across the country to Alderley Edge, where he was to spend the next 50 years. This also marked the start of his role as father to me and, three years later, to my sister, Helen.

As well as his annual trips to Indonesia, there were also other ad hoc business trips to the US, Japan, Argentina and South Africa. In fact, looking through his old passports is like looking at an atlas, with all the visas and exit and entry stamps.

In 1986, after 27 years, he left ICI and the next stage of his life started. Having spent his whole career to date in the private sector, he moved into the public sector and became finance director of North West Arts, the regional board of the Arts Council based in Manchester, working closely with various local authorities in the North West in funding and sponsoring arts and performances across the region. Finally, in the mid 1990s, North West Arts was re-organised, renamed Arts Board North West and moved to Liverpool. Dad took this opportunity finally to retire. This marked the start of a happy retirement, which was to last for the next 25 years!

Having said that he did not want to travel any more, he then discovered the joys of travelling for leisure and visited the United States, Russia and Egypt, and also had numerous trips around Europe with my mother. He was also able to carry on his passion for fell-walking and skiing, sometimes just with my mother and sometimes jointly with the ICI pensioners walking group. He and my mother were both regular theatre-goers and went to virtually every production at the Royal Exchange Theatre in Manchester over a 30-year period. He joined the local Probus group and walked with them every other Monday. He was a keen gardener and was very successful with fruit and vegetables. He also loved crosswords and during his peak in early retirement, I only know of one instance where he admitted defeat in any crossword.

Sadly, about four years before his death, his mental health started to deteriorate rapidly as Alzheimer's took hold; his physical ability decreased, with his last couple of years spent in a local nursing home. He leaves behind a much-loved wife Elizabeth, a son and daughter, Nick and Helen, and two grandsons, Max and Alex.



DAVID ARTHUR INGHAM GORING (1950) died on 16 July 2021. We have been sent the following obituary by his family:

David Goring died on 16 July 2021. He is survived by his beloved wife of 74 years, Liz, by his daughter, Rosemary, and by his son, Christopher (Jane), and predeceased by his son, James (Pamela).

David was born in Toronto, Canada, on 26 November 1920 and grew up in Georgetown, British Guyana. He studied at University College London, earning a bachelor of science in chemistry in 1942. During the Second World War he was a pilot in the Royal Air Force in Burma. After the war, he continued his formal education at McGill University, Montreal, earning a doctorate in physical chemistry in 1949. He earned a second doctorate, in colloid chemistry, in 1953 from Cambridge, where he was a member of Emmanuel.

David spent his scientific career in Canada, first for a few years in the Maritimes at the National Research Council and then, from 1955 to 1985, in Montreal, at the Pulp & Paper Research Institute of Canada (PAPRICAN). He retired with the rank of principal scientist, having served as director of research, vice-president scientific, and vice-president academic. From 1960 to 2003 he was a revered teacher and mentor, supervising 23 PhD students and numerous other young scientists and engineers, first in the chemistry department at McGill and then, after he 'retired', in the department of chemical engineering and applied chemistry's Pulp & Paper Centre at the University of Toronto. He was an invited lecturer at many universities and industrial research institutes around the world. He published over 200 scientific papers.

David devoted his working life to the study of the three main components of wood: lignin, cellulose and hemicellulose, doing foundational science of great importance to the pulp and paper industry. He worked on how these components are modified during chemical pulping, leading to more efficient production. His work on thermal softening had great influence on thermo-mechanical pulping, press drying and high-temperature calendaring. His work on the modification of cellulose fibres to make them more reactive shed light on how they bond in paper-sheet formation and to polymer coatings. This led to more efficient production of paper and new polymer-coated paper products.

He received numerous awards from learned societies: the Anselme Payne Award from the American Chemical Society, the Gunnar Nicholson Gold Medal from the Technical Association of the Pulp & Paper Industry (TAPPI) and the John S Bates Memorial Gold Medal from the technical section of the Canadian Pulp & Paper Association (CPPA). The latter two are the highest awards of those associations. He was inducted into the Paper Industry International Hall of Fame in 2006. He was a fellow of TAPPI, the Royal Society of Canada, the Chemical Institute of Canada and the International Academy of Wood Science.

ROBERT MICHAEL OVERTON-FOX (1950) died on 22 October 2021. We have received the following obituary from his wife, Joanna:

Michael was born in Whaley Bridge, Derbyshire, in April 1930. He attended Ashville College, Harrogate, which during the war was evacuated to the Lake District. This was a perfect location for a boy who was already a keen birdwatcher and lover of the countryside.

After school, he taught for a short time at a prep school in Sussex. National Service followed, and after officer training he was sent to Kenya with the King's African Rifles. While there, he had to spend some time studying Latin, which was required for reading law. He had hoped to read English but the Master of Emmanuel, Edward Welbourne, said that 'Emmanuel had enough of those students already'.

After taking his degree, he was admitted to the Middle Temple and practised at the Bar for a while. Deciding that this was not for him, he was interviewed by the Ministry of Defence and ended up in MI5. Here his desk was opposite David Cornwell, later known as John le Carré, who suggested to Michael that MI5 was 'a dead-end sort of job'. Soon, he took this advice and left, moving to Courtaulds as an in-house lawyer. His final move was to what is now Babcock International. Mainly based in Sussex, he remained there as a contract lawyer until his retirement in 1994.

Michael travelled widely, both to transact business and also to extend his interest in natural history. His love of English remained and he spent hours reading and studying poetry. He compiled a weekly nature diary that often recorded daily life with his wife in an old waggoner's cottage in Kent. Sadly, his final years were dogged by ill health that also affected his memory. However, he could still identify most species of birds and never lost his sense of humour. He leaves a wife, four sons and nine grandchildren.



PETER RODNEY WATKINS (1950) died on 1 September 2021. His family have sent in the following tribute:

Peter Watkins died aged 89 on 1 September 2021. He had Alzheimer's disease in his final years.

Peter was born on 8 October 1931 and recalled his lifelong love of history beginning at the age of seven. One of his younger brothers, Graham, remembers Peter, age ten, pacing back and forth with a piece of wartime blackout material around his shoulders to make a teacher's gown. He practised his early teaching skills by making Graham and his sister, Sheila, recite the kings of England in chronological order. Such was the rigour of the training, Graham can still recite many of them.

In 1950 Peter came up to Emmanuel College from Solihull School, with an open exhibition in history. His experience of Cambridge made a huge impact on him; he talked about his time at university and enjoyed reading the *College Magazine* until the end of his life. He was the secretary and then president of the Methodist Society.

Following graduation, he took the Cambridge certificate in education, spending the Michaelmas term away at Kingswood School, Bath. As a graduate he was pre-selected for a commission in the education branch of the Royal Air Force for National Service. He spent much of it at RAF Hednesford, a recruit training school, lecturing on the history of the Royal Air Force and current affairs.

Peter began teaching at East Ham Grammar School for Boys in 1956. After three years there he became sixth-form history master at Brentwood School, Essex. In the course of his five years at Brentwood there were 15 awards in medieval history at Oxford or Cambridge and the medieval history sixth grew to 28 boys. Peter was solely responsible for medieval history in the sixth form, and he was form master of upper sixth arts. Some of his students have remained in touch throughout his life, and several have spoken of the inspirational nature of his teaching. Jack Straw wrote that Peter was 'a truly brilliant history teacher. He had an infectious enthusiasm for his subject with which he inspired his students. He gave me a lifelong interest in the subject, which turned out to be incredibly useful when I was appointed Foreign Secretary in 2001.'

In the early 1960s, Peter applied to spend a year in America. His request was declined. However, in the summer of 1962, he was awarded a Chautauqua Scholarship. This allowed him to travel across the USA at the end of the summer, an experience that he greatly enjoyed and is documented vividly in his autobiography.

In 1964, after five years at Brentwood he was appointed senior history master at Bristol Grammar School. Then, in 1969, Peter was appointed headmaster of King Edward VI Five Ways School, a voluntary-aided grammar school for boys in the King Edward Foundation in Birmingham. Peter worked hard in his new role to rebuild staff morale and introduce new practices.

A couple of years into his role, Peter became reacquainted with Jill, whom he had first met at the wedding of their university friends, David and Sue Mole, ten years earlier. After a short time, they married in 1971. Their first daughter, Anna, was born in 1972, with Kate following three years later in 1975. Peter was an older father and very focused on his career and interests. However, he enjoyed sharing his passions with the family. Some of the happiest times they spent together involved going for long walks in the local area, or later on family holidays, often with the extended family to cottages in Yorkshire and the Lake District. We were lucky to live in the countryside, and all of us enjoyed pottering about in the garden, growing a wide variety of fruit and vegetables and caring for family pets, particularly guinea pigs and later ducks.

Peter moved to be headmaster at Chichester High School for Boys in 1974 and then principal of Price's Sixth Form College in Fareham, Hampshire, in 1979. The family moved to the village of Swanmore and settled into the local schools and community. Jill worked as a teacher, social worker and renowned lace bobbin-maker, and helped out at the local guide company. Peter enjoyed being an active member of the local church community. He was a lay reader, chair of the local primary school governors and of numerous local committees.

In 1984 his career took a different path when, following a reorganisation of local colleges, he moved to a national role. Peter became deputy chief executive of the School Curriculum Development Committee (SCDC), which involved a commute to London. Three years later SCDC was replaced by the National Curriculum Council (NCC) based in York. NCC had a high profile and for three years Peter travelled nationally and internationally, speaking to a variety of audiences. This was his last role before he had to retire as a civil service employee at 60. Having been somewhat of a workaholic, retirement came as a bit of a shock. So, unsurprisingly, Peter soon found a new role as an OFSTED inspector.

He finally retired from inspecting in 1998 and he spent the remainder of his retirement seeing his family, travelling, mountain-walking and running many local committees and groups. He was an active local historian and published four books on the local history of the parishes in the Meon valley. He joined the University of the Third Age and spoke to local history societies and other organisations. Peter was extremely active, physically and mentally until sadly he developed symptoms of Alzheimer's in his mid-eighties. He had to move to live in a care home but could luckily still recognise the numerous family and friends who visited him. He enjoyed being read to and, until almost the end of his life, he still managed to correct the pronunciation of anyone misreading a word. A teacher to the last! From the age of seven he had always loved history and in his final years returned to his first love.



CHARLES RICHARD (DICK) HORRELL MBE (1951) has died. His daughter, Sarah Madden, has sent in the following obituary:

'I was extremely fortunate because my work and play were really the same thing.' Dick Horrell, agronomist.

Dad was a man full of surprises. Born in 1930, in Cornwall, to William Richard and Marion Horrell, Dad was only five when his mother died. He lived on the family farm with his grandparents and his uncle until his father remarried in 1936, and considered his Uncle Douglas to be 'his hero and role model'. He always remembered the farm with great affection, enjoying the fact that 'there was no electricity on it and "Grandfer" Horrell still sallied forth in a pony and trap'. His love of agriculture started here.

Following school, he studied agriculture at Nottingham University, becoming one of Nottingham's first graduates following the 1948 grant of their charter. He moved on to Emmanuel College and then to the Imperial College of Tropical Agriculture (ICTA) in Trinidad to become an agronomist specialising in tropical agriculture.

He joined the Overseas Development Administration's (ODA) Colonial Agricultural Service, part of the government's Foreign, Commonwealth & Development Office, in 1953 and was posted in Uganda. He arrived in Uganda aged 23, one of four from the ICTA who

travelled third class on the *Dunnottar Castle*, enjoying three weeks' voyage followed by 36 hours on the train from Mombasa to Kampala, and was posted at Serere Experimental Station (Soroti). Here, under the care of a wartime Indian Army major, a noted agriculturalist and something of a disciplinarian who Dad describes as 'the making of me', his first tasks were: to buy a second-hand car, to set up house in a government bungalow, and to stock up with food, kerosene for the fridge and lamps, and wood to heat water. Then it was straight to work, called out by drumbeat at 6:30am every morning to report with the others to the major.

His brief from HM Colonial Service was to 'work in agricultural matters and help the people of Uganda achieve independence'. In his own words, it was 'a great privilege to be there to organise the first raising of Uganda's national flag on their agricultural station in 1962 and indeed to have been part of the movement to bring a quarter of the world's peoples out of British dependence to form more than 20 new nations'.

He met and married my mother in Uganda in 1957 and together they set off to do agricultural work around the world. Mum was a Yorkshire teacher until in 1954 she suddenly announced she was moving to Uganda to work for the Colonial Service, assigned to the Church Mission Society (CMS) at Ngora to set up and run a boarding school (Ngora Girls' School) for about 60 girls, including several daughters of local tribal chiefs.

In 1964 they transferred together, now with two children, to Bolivia, serving in Santa Cruz until 1967, then to Panama (1967-72), Honduras (1972), Brazil (1973-75) and back to Bolivia, where Dad headed up the *Misión Británica* (1976-82).

In Bolivia, the *Misión Británica en Agricultura Tropical* ran from 1963 with the aim of achieving greater food security for the region's people through more locally sustainable agriculture. Part of the team in its early years, he returned to lead the mission in 1976, having gained further insight into the region's agriculture through his work elsewhere. His view was that, of the many projects he had worked on during his career, this was the one that produced the most lasting results and the greatest sense of personal satisfaction.

In 1982 they moved back to Africa, living in Sudan (1982-84) and Nigeria (1984-87). Throughout Dad worked for either the ODA or the United Nations' Food & Agriculture Organisation (FAO) until he and Mum retired in Somerset, picking up as he left special recognition for his work in Uganda and Bolivia and, back in the UK, an MBE.

Reflecting on the many different places he was posted, he always felt that 'it was a wonderful thing to be able to work in agriculture in some of the world's poorest countries'.

Growing up with Dad meant there were always adventures of one kind or another. There were trips in jeeps down dirt tracks in the middle of nowhere, rivers to be forded and frequently stuck in. There were Andean mountains, Brazilian forests, cattle ranches and coffee plantations to visit, rivers to swim in, dormant volcanoes to climb. There were rumbling earthquakes to run from, piranha fish to catch, quicksand to avoid, tropical islands to explore. There were also interesting pets to play with. We had parrots to talk to, horses to ride, rattlesnakes in fish tanks, alligator eggs to hatch in washing up bowls. And

then, there were necessary skills to learn such as how to wring a chicken's neck or gut a dead sheep. In fact, my brother and I used to lock ourselves in the bathroom to avoid these: like adventures, we were never short of learning opportunities!

Back in Somerset and technically 'retired', Dad became a local district councillor and, after Mum died in 2005, set up house with a new partner, continuing his travels abroad on many holidays and adventures together. He has always remained a central part of our lives, with five grandchildren, a son in Malaysia, a daughter in London and a brother in Yorkshire. I will always remember him as a great storyteller, but then he had great stories to tell.

ANTONY PROUDMAN (1951) died on 5 January 2022. The following obituary, printed in the *Hampshire Chronicle*, has been sent in by his family:

Tributes have been paid to a scientist from Winchester 'who achieved so much in his life' after he died aged 88. Antony Proudman, whose work laid the foundations for modern computing and gaming, died on 5 January and his funeral was held earlier this month. His family and friends paid tribute to the 'extraordinary' grandfather. Friend Paul Appleton said: 'Anyone who ever met Antony Proudman would remark on a gentle and courteous man; what made him extraordinary, for someone who achieved so much in his life, was that this natural kindness would still be what first came to mind if they had known him, as I did, for 37 years'.

Mr Proudman won a senior exhibition to Emmanuel College, Cambridge, in 1951, to read mathematics and natural sciences, before going on to work at Standard Telephone & Cables, where he won the 1958 Telecommunication Engineering & Manufacturing Association graduate award; then a year later he joined the fledgling UK research arm of IBM in Hursley. By the early 1960s, in a small team, he had developed the effective forerunner to ROM (Read Only Memory), which not only underpinned IBM's redefinition of commercial computing at the time but also laid the foundations for today's personal computing and gaming technology.

In the 1970s, Antony's team anticipated another revolution, the internet, when they took over the European Labs Computer Network, which connected company and university computers across Europe and the US. Mr Appleton said: 'Antony would always insist that it was the refreshing culture of collaboration at IBM that made these technical achievements possible; but the wisdom to hire brilliant graduates must also have played its part. Antony Proudman may not be a household name; but it is very likely that every household that has access to a computer enjoys the technology that he and his team developed. He was certainly recognised for his work by IBM, who rewarded him, exceptionally, with two Outstanding Technical Contribution Awards, and by the British Computer Society, who elected him a Fellow in 1988.'

Mr Proudman was also keen on art and architecture, culture and society. In later years, as a trustee of Winchester Cathedral Enterprises, he was involved in the project to build

a new visitors' centre and, as an influential member of the City of Winchester Trust, he chaired the team that prepared its first vision statement.

Mr Proudman was married to Elizabeth for 63 years, and they had three children Kate, Hugh and James. Mr Appleton said: 'Those of us who were privileged to have been welcomed into that family knew a man whose generosity was matched only by his integrity. There seemed, to us, no artificial boundary between the scientist and the person; for his life, as for his work, his light will shine on for a very long time.'

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ROBIN JOHN SEYMOUR (1951) died on 27 March 2022. We reproduce here the following obituary sent in by his wife, Sheila, which appeared in their local village newsletter:

Robin grew up in Horsell, Surrey, with his parents and older sister. He attended Woking Grammar School and won a scholarship to Emmanuel College, Cambridge, to study English literature. He left school in 1950 and the following day began his National Service in the Royal Signals in Catterick before taking up his place at Emmanuel. In 1954 he began a successful career in the civil service as one of Her Majesty's factory inspectors, first in Doncaster, coincidentally just around the corner from where, many years later in 2010, his son Ian joined the local medical practice as a GP. Robin was later promoted to the Warrington, Wolverhampton and Birmingham areas. He met Sheila at the Birmingham office, where she worked as PA to the area director. In late 1966 he moved to Scotland on becoming district inspector for the Stirling area. He and Sheila married in Birmingham in March 1968 and settled in Dunblane, where Ian was born in 1969 followed by Catherine, who was born with Down's syndrome in 1971. The family moved to Goring in 1972 when Robin was promoted and was based in London. He had a variety of industrial safety posts before being appointed chief inspecting officer of railways early in 1988, just after the fire at King's Cross. He conducted many investigations, not least the major enquiries into the railway collisions at Clapham Junction in 1988, at Glasgow Bellgrove in 1989 and in the Severn Tunnel in 1991.

Robin loved living in Goring. In his early days here, he became a member of the PTA at Goring primary school. He developed his love of music further when he joined the Goring and Streatley concert band, shortly after it was re-formed in 1977, in which he played the tuba. He also played the valve trombone in the dance band that was started up by several members of the concert band, later to be named the Roy Bailey Band. He was an enthusiastic member of both bands until his illness began in 2018.

In retirement, Robin was able to resume his love of walking in various parts of England, Wales and Scotland. He and his friend, Derek Benbow, met every week and walked the Thames Path, the Three Castles walk and many other places together.

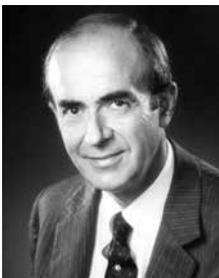
Robin was involved in many years of public service. Because of Catherine's disability, Sheila and Robin in 1972 became involved with the Down's Babies Association, which had recently formed in Birmingham. Robin became its first chairman and remained so until the organisation expanded, changed its name to the Down's Syndrome Association and moved to London.

Sheila, Robin and Catherine had much contact with Oxfordshire social services. In 1993 social services were setting up three carers' centres in Banbury, Oxford City and Didcot. Robin was invited to become a member of the steering group for the Didcot centre and became its first chairman when it officially opened in 1994. He later became company secretary. He was also involved in running person-centred planning courses with social services for the carers and support workers of people with a learning disability. He served on the Oxfordshire Partnership Board that was involved in working on the government strategy on 'Valuing people with a learning disability'.

It cannot be emphasised enough how much encouragement he gave to Catherine to live a full and independent life, supporting her in her leisure activities, particularly in her competitive swimming achievements both in the UK and abroad, as a member of Reading Cygnets Swimming Club and the Down's Syndrome GB Team.

Above all Robin was a devoted family man. He was a very supportive and loving husband, father and grandfather. In the many tributes received since his death, all commented on his kind, gentle manner and many achievements. He is very much missed.

The family would like to express their grateful thanks for all the messages of condolence they have received; and also to the staff at Lyndhurst and to Dr Simon Pettit and his registrar for their excellent care of Robin during his illness. He died peacefully at Lyndhurst, a few weeks after his ninetieth birthday, on 27 March, with Sheila by his side.



KEITH HARMAN WALLIS (1951) died on 17 March 2022. The following eulogy has been sent to us by his son, Bob:

Keith Harman Wallis was an only child, born on his father's birthday, 10 January 1932, in Streatham, South London. He spent his early years in the family house in Carshalton with his father, Edward, who was a chartered surveyor and architect, and his mother, Carola.

Their house was compulsorily purchased shortly after the start of the war and the Wallis family moved north to Hereford, where Keith's father spent his time rebuilding the munitions factory after it was bombed. From 1940 to 1945 Keith went to Hereford Cathedral School, taking his school certificate in 1945 at the age of 13. From 1945 to 1949 Keith lived with his parents in a second-floor flat in Ramsgate. Keith took his Higher Certificate in 1947 at the age of 15 and obtained a scholarship to go to Cambridge at 16.

Keith joined the RAF to do his two years of National Service before taking up his place at university. He used his experience from school to teach mathematics to the pilots and navigators. During this time Keith also became a Church of England lay reader in the Chester diocese. In 1951 Keith matriculated at Emmanuel College to study economics, obtaining a First in 1954. In his second year at Cambridge, while writing a paper on economics under communism to be presented to the Marshall Society, of which he was secretary, Keith travelled by train and bicycle to Yugoslavia, which at the time was under the dictatorship of Tito. There he interviewed a professor at the University of Ljubljana, who played his radio sufficiently loudly to ensure those bugging his office could not hear what was said.

On 1 August 1954 Keith started a job at Union Corporation in London in the intelligence department, at a salary of £510 per annum. By 1959 Keith was head of the department.

Keith was married to Margaret Eldridge on 22 October 1955 at King Charles the Martyr Church in Tunbridge Wells.

In 1967 Keith turned down an offer from South African colleagues for him and the family to emigrate to South Africa. He became managing director at Union Corporation. His work took him to many parts of the world though, as he pointed out, it was often only the inside of a plane, a taxi and a boardroom that he saw. By the end of the 1970s Union Corporation had been bought out in a merger by General Mining (a South African company). Among many directorships, Keith had added Capital & Counties, which was developing Covent Garden and was also busy opening shopping centres in Newcastle, Manchester and Thurrock. He retired from this role in 1998.

The job that was closest to his heart was as chairman of Geevor tin mine in Cornwall. The Wallis family has strong Cornish connections. In 1980 he hosted a visit by Her Majesty the Queen and the Prince Philip. When in 1985 the price of tin crashed and the mine was forced to close, Keith fought hard to keep it running, and the local MP praised him in parliament for his efforts.

In 1984, having retired from his role at Gencor (successor to General Mining), Keith and Margaret decided it would be a good idea to buy a derelict barn in seven acres of farmland near Penshurst in Kent. The garden at Abbotsmerry became their all-consuming project for the next 26 years. They created a wonderful garden, of which they were both proud and which they opened to the public to raise money for charity on Yellow Book Open Garden days. It was featured in *The English Garden* and in *Country Life*.

By 2010 they had to admit to themselves that they could no longer manage the seven acres at Abbotsmerry. They left the barn and moved to a five-bedroom house and a new garden design project in Langton Green. With reduced gardening demands on their time Keith and Margaret went on cruises to North Africa, the Caribbean, India and Singapore, and the Maldives. In 2017 they moved to a flat in Haywards Heath, before moving to Emerson Grange Care Home where Margaret died in September 2021. Keith is survived by two of his sons: Chris and Bob (the youngest, Ken, died in 2016), and four grandsons.

Keith had both integrity and an extraordinary and formidable business brain. As a person Keith was loyal to family, work colleagues and friends. He had a sense of duty and he never looked for praise or acknowledgement. He was widely read and a man of huge intellect but without any affectation.



TIMOTHY GEORGE BOOER (1952) died on 6 February 2022.

His wife, Eileen, has sent us the following obituary:

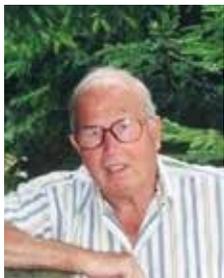
Tim was born in Croydon in December 1933. He went to Sutton Valence School, then to Emmanuel College and started work in the economics and statistics department at Unilever House in Blackfriars in 1956. This was where he met his wife, Eileen, who had come from Lancashire to work at Unilever as well, and they married two years later. They started their married life in a flat in Surbiton, close to the river. In 1962 they moved to Eynsford, with two-year old son Paul, where daughter Lynn was born a year later. Both children started at the village primary school, which then was just across the road. In October 1969 Tim and Eileen bought White Coppice on the other side of the river and, after some alterations, moved in there in 1970, remaining there ever since.

In January 1971, however, Tim was made the financial director for Hindustan Lever in India, and Tim, Eileen and Lynn all moved to Bombay. Paul had to remain in the UK at boarding school because of forthcoming key exams, but joined them in the holidays. This was a two-year spell and all then returned to settle back into Eynsford life again.

Tim worked for Unilever for 35 years and then as a freelance consultant for another 15. During this period Tim found time to become a trustee of the Eynsford village hall for 33 years, 17 of which he was the treasurer. His duties even included sandbagging the village hall in the 1987 floods! Tim finally retired in 2019 after having fallen ill with myeloma; however, he was appointed an honorary trustee for his remaining years. His major legacy as a trustee was to start the Eynsford Village Hall lottery to raise funds for a new village hall, but sadly he never got to see the hall built.

Holidays were important to Tim and he loved to travel, usually to France for three weeks each summer. He came to cruise holidays later on in life, but thereafter managed a river or ocean cruise as well, sometimes with the family along to celebrate a special event such as their sixtieth wedding anniversary, which was accompanied by a telegram from the Queen.

Tim spent his spare time in his beloved garden and with his family. He was very proud of his three grandchildren, David, Lucy and Helena, with family celebrations taking place at White Coppice. Over the years the garden evolved and Tim was always out each day doing a little bit until the myeloma took hold. His wish was to die at home where he could see his garden, be with his wife, and have the family close by.



MICHAEL LOVIBOND RICHARDSON (1952) died on 15 November 2021. His daughter, Sue Slijivic, has sent in the following obituary:

Michael Richardson, of Wheelbirks Farm, Northumberland, is warmly remembered by his friends and family. Michael was educated at the Quaker Bootham School, York. After school he attended Emmanuel College, matriculating in 1952, where he studied agriculture on a Latin scholarship. He played hockey and rowed for the college.

After university he enrolled in the National Service, where he was second lieutenant. He enjoyed his time competing in sailing and cross-country skiing, and representing the military at European championships. He met his wife, Jan, while in Zermatt in 1956. She was travelling from Australia with a group of nursing friends. They married in 1958 and went on to have four children, Ian, Sue, Hugh and Tom.

Mike was the fourth generation of the Richardson family to live at Wheelbirks Farm. Wheelbirks was set up by Michael's great grandfather in 1882, and his father Colin was the first farmer to bring Jersey cows to Wheelbirks. Michael was the person who pushed for the Jersey breed to be the main feature of the farm. They are still on the farm today, providing milk for the Wheelbirks Parlour Ice Cream. He was also a big advocate for unpasteurised 'raw' milk.

He was chairman of the National Farmers' Union in 1977 and went on to be president of the Jersey Cattle Society in 1984. After his retirement from the farm Michael was active in the local community: he supported the Royal Agricultural Benevolent Institution, served as president of the Stocksfield community centre and regularly attended Quaker meeting.

Jan died in 1988. Michael kept himself busy travelling and cycling, indeed riding an electric tricycle until he died in November.



PETER GORONWY SPENCER (1952) died on 30 October 2021. His family have sent in the following obituary:

Peter Spencer was six years old when war broke out and he spent the war with no fixed abode, following his father's postings when in the UK. Thus, Peter did not attend school until he was nearly nine, being taught to read by his mother out of books borrowed from libraries. Perhaps because of this, Peter valued education highly and his adult life was spent teaching in and then running prep schools. The boys he taught (and a few girls, including his three daughters) learned that effort, decency and determination were what mattered most.

His years at Emmanuel College remained important to him throughout his life. It was as an undergraduate that he met his future wife, Christine, to whom he was married for

64 years and with whom he worked in equal partnership in all the schools with which they were involved.

And then there was cricket. Never was the phrase ‘he had a good innings’ more truly spoken. Peter’s passion for cricket began at Cambridge but flourished during National Service in the RAF, where he was the station cricket officer and had his best-ever cricket year, playing 84 times in one summer and scoring over 2000 runs. He was a playing member of the MCC, receiving an award for playing over 100 matches for them: when he stopped, he was the longest playing member. Like many cricketers he liked statistics and his memoirs record that as an adult ‘I have played in 1473 matches, many of two days’ duration; scored over 21,000 runs, caught 846 opponents and stumped 646’.

Peter had a strong faith and, if heaven is as he trusted it to be, the wine will be the best, the Labradors exactly as they are on Earth, the wickets always smooth and true and, most importantly, no-one, not even St Peter, will call him by his first name until they have been properly introduced.

SIMON EWEN CRAWLEY (1953) died on 17 March 2020. His son Nick, has sent in a few memories of his life:

After his time at Emmanuel my father trained at Ridley Hall before being ordained into the Anglican church. He then served as a clergyman in Carlisle, Cinderford in Gloucestershire, Margate and Folkestone, where by his mid-forties he had led the two largest churches in the diocese of Canterbury. He then took a quieter posting in Patterdale in the Lake District before finishing his period of service at Culworth near Banbury. In retirement he and my mother lived in Craddock in Devon and then in Healaugh outside Tadcaster, Yorkshire. He loved playing golf and ‘messing about in boats’ and is deeply missed by all who had the privilege of knowing him.



DAVID LAWRENCE FRAPE (1953) died on 20 March 2022. His son, Michael, has provided this obituary:

David Lawrence Frape, PhD, CBiol, FIBiol, FRCPath, was a mammalian pathophysiological and a leading expert in human and animal nutrition. He was the author of the seminal work on the feeding, breeding, growing and working of horses, *Equine Nutrition and Feeding*. First published in 1986, there were three subsequent editions; the most recent was published in 2010. Since

first publication, it was and has remained, despite the passage of time since the last edition, the leading work on the subject and is widely consulted by the academic, professional and horse-racing communities. The measure of David Frape's achievement in writing a work of first-rate academic scholarship was the fact that he never held an academic post. He worked throughout his career as a research scientist in industry and subsequently as a consultant, until a few years before his death.

My father was born in Staffordshire, on 22 February 1929. Early in the Second World War he was evacuated to Canada. His father had fought in the Great War and believed that, if the German army invaded, it would win the war. Dad often recounted that he was on the ship that carried the country's and, in those days, the British Empire's, gold bullion reserves to safety in the United States. He also told how he and his friends had played cricket in the ship's dining hall. Evacuation to Canada had a profound effect on my father, most importantly in opening his eyes to a wider world and an international outlook that never left him. It also gave him a taste of the great outdoors.

On his return to England in 1944, he completed his schooling at King's School, Worcester (1944–47), where he played for the first fifteen as hooker. A period of National Service followed school, happily ending before the outbreak of the Korean War. He won a scholarship to read agriculture at Reading University (1950–53) and then attended Cambridge University (1953–54), where he completed a postgraduate diploma in agriculture. Despite being intensely academic and scholarly in approach, he was also deeply interested in practical solutions to problems facing humanity and therefore a more practical subject was chosen. He also made a lifelong friend in Norfolk farmer Roger Kidner.

Dad wanted to continue his studies but post-war Britain was not a fertile environment for budding research scientists and therefore he cast around for opportunities abroad, which led him to Iowa State University and a PhD in animal physiology. As at Cambridge, he made lifelong friends in the house he shared with fellow students from a variety of backgrounds including the son of a Russian émigré (Roman Bystroff) as well as citizens of Germany, Austria and Japan. The German had fought, albeit very briefly, in the Second World War. Dad's research work prospered, despite early setbacks in his experiments, which he overcame with his usual resolution and determination. Having completed his PhD, he was awarded a post-doctoral fellowship to research goitre. Outside the lab, he took the opportunity to develop his love of mountaineering. On his return to the UK, he chose to go into industry rather than academia. In some ways this was a strange choice given Dad's academic predisposition, but he was interested in making a practical impact on the world around him.

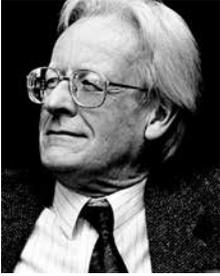
In 1963, he married Margery Hopewell, a biologist with a love of history. They had met through a shared love of the natural world and walking. In 1969, the family moved to Suffolk when he became head of Spillers research unit at Kennet. In 1979 however, Dalgety won a contested takeover of Spillers, and in the early 1980s Dad chose to go it alone as a consultant scientist. In that guise he became research director on the board of CANTAB Group Limited and chief scientist of Clinical Science Research Limited.

While working as a consultant physiologist, he started work on the first edition of *Equine Nutrition and Feeding* and wrote numerous scientific papers including on the white rhinoceros and giant panda. He also lectured widely both nationally and internationally and was the external examiner of the faculty of veterinary medicine at University College Dublin (1991–96). He was consulted on a wide range of human and animal nutrition matters both at home and abroad by a variety of clients including the government of the Sultanate of Oman and the late Linda McCartney, who wanted to launch a range of vegetarian dog food. He also acted as an expert witness both at home and abroad, especially in horse-doping cases. Lead contamination of pasture land in Cyprus was a particularly challenging case, given that the land in question was along the border of this notoriously divided island.

In 1998, Dad was elected a fellow of the Royal College of Pathologists, the acme of his career. In the autumn of his career, he took on roles that enabled him to contribute to society, although he had already given hugely to many colleagues, friends and the wider community. He worked with Robert Cook to resurrect with considerable success the moribund East Anglian branch of the Royal Society of Biology (then the Institute of Biology) and was a consultant to Papworth Hospital and board member of the West Suffolk Hospital, among other roles. But his most significant contribution was the founding of the journal *World Agriculture*. This was a colossal undertaking given that it was run from a PC in Dad's study. The journal publishes papers on the interaction between population growth, resources, the environment and climate change. More recently, my father began work on a book on diet, disease and human health. Although he had made considerable progress on the book with the assistance of Robert Cook, he had not completed it at the time of his death. Robert and I will ensure that it is completed and published in due course.

Dad's outside interests included classical music (especially Beethoven), rugby, swifts (*Apus apus*) and gardening. Dad's approach to most things was analytical, serious and industrious, but also deeply binary. If something was not important to him, it merited little if any interest and therefore he was one of the worst-dressed men, whose culinary skills left much to be desired. His values were those of the Enlightenment. Empiricism, rationalism and internationalism guided his life and he was appalled by prejudice and populism. In the way of the pre-war generation, he respected authority, hid his emotions and was immensely modest. A devoted husband of Margery, he was a reasonably committed Anglican and played his quiet part in the local community in Mildenhall. It is not too much to say that with Dad's passing the world is a poorer place. He lived an examined and committed life and will be missed by many.

He is survived by his wife Margery, son Michael and grandchildren Lawrence and Sofia.



ANTHONY WILFRED BRADLEY (1954) died on 20 December 2021. The following obituary has been sent to us by his son, Richard:

Tony Bradley, who has died, aged 87, of idiopathic pulmonary fibrosis, has been described as one of the greatest constitutional lawyers and thinkers of his generation and ‘a giant of public law in the UK’ whose work has benefited generations of lawyers. An undergraduate at Emmanuel in the 1950s, he became a Fellow of Trinity Hall, Cambridge, then professor of constitutional and administrative law at Edinburgh University for over 20 years, and the author of successive editions of *Wade and Phillips* (subsequently *Bradley and Ewing*), the key text book in the subject, before starting a second career as a barrister at the age of 55.

Tony was born in Dover, Kent, in 1934 to a nonconformist family where his father ran a dyeing and dry-cleaning business whose machinery was housed in the White Cliffs. His father was a keen amateur magician and a member of the Magic Circle. His mother was the daughter of missionaries, born in the Boxer Rebellion in what is now Wuhan. At Dover Grammar School he was known as ‘Prof’ because of his love of studying, and this turned out to be an uncannily accurate prediction of how things turned out for him. After National Service he won a scholarship to study history at Emmanuel, but switched to law. Of the 100 law students in his year just three were women, and the course was dominated by Latin and Roman law. At university he threw himself into making music, playing his beloved viola in chamber music with Emmanuel friends. He graduated First Class with distinction in his BA degree in 1957, followed by another First Class with distinction in his LLB degree the following year. After the completion of his solicitor’s articles of clerkship with the town clerk in Reading, Berkshire, he came third in the country in the final examination of the Law Society in 1960.

Music remained an abiding passion and it was in a Bach choir in Reading that he met Kathleen Bryce, a nurse who later became a health visitor. They married in 1959 and enjoyed a very happy lifelong partnership. Best man at their wedding, John Geale was also an Emmanuel graduate.

Tony returned to Cambridge as a lecturer in law and a Fellow of Trinity Hall in 1960. In 1966 he went on secondment as a visiting reader to Tanzania where, with several other distinguished ex-pats, he taught in the law faculty at what became the University of Dar es Salaam. In 1968, at the very young age of 34, he was appointed to the chair of constitutional law at Edinburgh University, which he held with distinction for the next 21 years. He became well known to successive generations of Edinburgh students, many of whom themselves became distinguished politicians, academics, judges and legal practitioners. He became even more widely known as the principal author of what began as *Wade and Phillips’* textbook *Constitutional Law*. With Tony at the helm this became *Constitutional and Administrative Law* with 1977’s ninth edition. Meticulously researched, this classic textbook is now in its

seventeenth edition with his co-author Professor Keith Ewing. Tony's academic distinction was recognised by the award of an honorary LLD from Edinburgh University in 1998.

During his time in Edinburgh, Tony was dean of the faculty of law for a three-year term. Beyond the university, he engaged actively in matters of law and administration. He was a member of both the Stodart and Montgomery committees on local government reform. From 1985 to 1991 he edited the journal *Public Law*. He was chair of the Scottish Civil Liberties Trust, the Edinburgh Council for the Single Homeless and St Mary's Music School. In his mid-fifties, when his four children had all left home, he opted for a change of direction. After commenting on and analysing the law for so many years, he decided to put what he had learned as an academic into practice.

Tony was called to the bar in 1989 and was invited by Sir Stephen Sedley to become a member of his chambers, Cloisters. Having been one of the youngest law professors, he became one of the oldest junior barristers. Among the highlights of his career at the Bar was representing the Chagos islanders, who had been forcibly removed by the UK Government from their homes on the Indian Ocean archipelago to Diego Garcia in 1971; in 2008, he acted as junior to Sir Sydney Kentridge. An earlier landmark case involved a courtroom battle in 1993 against the home secretary, Kenneth Baker, over the deportation of a teacher to what was then Zaire (now the Democratic Republic of Congo), who was still pursuing an asylum claim in the UK. The House of Lords eventually found that the home secretary and his officials were in contempt of court by unlawfully removing the teacher, establishing the principle that ministers are subject to court orders and that enforcement proceedings can be brought against them.

Tony's distinction at the bar was recognised when he was made an honorary QC in 2011. His many distinguished appointments included being a UK member of the European Commission for Democracy through Law ('the Venice Commission') and the first legal adviser to the House of Lords Committee on the Constitution from 2002 to 2005.

He wrote more than 150 academic articles across seven decades: his first publication appeared in the *Cambridge Law Journal* in 1961 and his last in the *Connecticut Law Review* in 2021 shortly before he died. He took to the newspapers from time to time to criticise the excesses of government, most recently to criticise the Johnson administration's failure to respect parliamentary democracy. In the 1970s and 1980s he played an important role, through the Economic & Social Research Council, in the promotion of socio-legal studies. His sage advice was often sought and freely given, and was respected across the political spectrum. He regularly appeared before House of Commons select committees on issues of the constitution, parliamentary privilege, fixed-term parliaments and the implications of a written constitution. The SNP's Joanne Cherry, a former student, described Tony as someone whose advice 'politicians should aspire to follow' while Tory MP Bill Cash described him as 'the greatest constitutional authority we have in this country'.

A strongly committed European, he supported numerous good causes, many of them concerned with the promotion of civil liberties and social justice. Moving to Oxfordshire in

later years, he became very involved with the reception of asylum seekers. Tony regularly played the viola in string quartets, in the Edinburgh Symphony and, more recently, in the Abingdon Symphony Orchestra.

Tony is greatly missed, not only by his wife Kathleen, their four children, Richard, Elizabeth, Lucy and Charlotte, and six grandchildren, but also by his former colleagues and many friends and admirers.



DAVID MORRIS THOMAS (1954) died on 27 May 2022. We reproduce here an extract taken from the eulogy given at his thanksgiving service by his son, Richard:

David was born in 1934 in Cheltenham, Gloucester, to parents Rosamund and Morris, who had met at Cambridge in the late 1920s and were married in 1932. Morris was a chemistry teacher at Dean Close School and a preacher at the local congregational church, following a family tradition that went back several generations in their Welsh homeland. David's brother Denis was born in 1938 and the family moved to South Croydon in 1944, to 86 Warham Road, just the far side of Whitgift School.

David started secondary school at Whitgift, with Morris taking up the post of chemistry teacher there. His brother Denis also went to Whitgift four years later. David enjoyed playing hockey at school, helping to establish hockey as one of the regular termly sports in addition to rugby. He was also involved in the school scouts and started his hobbies of collecting many different things, something which he enjoyed and progressed throughout his life.

David left school in 1952 for a period of two years' National Service, as was the requirement then, initially as a lance bombardier in the Royal Artillery. Driving lorries was a large part of his activity, and he used to joke that they gave him a British driving licence on his discharge without his ever having taken a driving test.

In 1954 he went up to Emmanuel College, Cambridge, the same college that his father had attended, where most of his time seemed to be taken in playing and writing about hockey and having an extensive social life. He was most proud during his time there of being a reporter and then editor, for a year, of the university sports magazine, *Light Blue*. Again, he met a group of lifelong friends there, known as the Piglets, who have continued to meet and socialise on a regular basis ever since.

After graduating he managed to secure a job for the Shell International Chemical Company, where he remained for his entire working life. Then, at some point in the late 1950s, David met Avril, who was a ballet teacher at a convent school in East Grinstead. David and Avril were married in June 1960, when they set up house in 5 Bennetts Way, Shirley. Their daughter Jacquie followed a year later in 1961 and a son, Richard, completed

the family in 1962. A few years later the family moved house in the summer of 1966 to 16 Sanderstead Hill, which would be the family home for the next 50 years.

David and Avril had a lovely set of friends in the area, the 'Young Marrieds', a group of couples who got together once a month at each others' houses for socialising, entertainment and food. When it was his turn, Dad became known for setting cryptic and tricky puzzles and quizzes, about which everyone would openly moan but secretly thoroughly enjoy playing.

16 Sanderstead Hill is just across the road from Sanderstead United Reformed Church, the proximity of which was to have a big influence on family life. David renewed his involvement with the scouts at the eighteenth Purley troop, becoming scout leader, establishing the new venture scout unit, then finally rising to group scout leader, as well as being one of the prime movers behind the building of the new scout headquarters in Farm Fields. In his spare time, David also played bridge locally and for the Shell Social Club, Lensbury; he continued to play regularly and also teach bridge at a club into his mid-eighties.

David took early retirement from Shell in the late 1980s to devote himself to coin- and stamp-collecting almost full time. He and Avril purchased a timeshare on the Algarve, where they spent two fortnights a year, in spring and autumn, for the next 25 years, thoroughly enjoying their time out there.

He also spent more time playing golf, which he much enjoyed, both the playing and the nineteenth hole. He ran the Eclectic Competition at Duke's Dene Golf Club in Woldingham for a number of years. Avril and David also loved to visit their children's families and spend time with their grandchildren: Avril when they were small, and David particularly once they could grasp the intricacies of his many board games.

As Avril and David got older and less mobile, they moved to a lovely apartment up at Sanderstead Court, next to All Saints Church. Unfortunately, after some years together there, Avril had to move to Cranmer Court a few years ago for specialised care. David continued independent living with family support until he had a few falls late last year, leading to some periods in hospital with infections and respite care, all of which took their toll on his health. Even so, it was unexpected when he passed away at the end of May.



MICHAEL WILLIAM WELFORD PERRETT (1956) died on 17 May 2022. We have received the following eulogy from his son, Steve:

Michael William Welford Perrett was born on 4 May 1935. His father Captain Maurice Perrett, a veteran of the First World War trenches, was a widower who had two children, Maurice and Marjorie, from his first marriage. They were very much older than Michael so he was raised like an only child. His beloved half-sister Marjorie was very dear to Michael though, and his later pride in her son Geoffrey continued to the end of his life.

Born to Maurice and Marion, Michael's earliest days were in Richmond, North Yorkshire, but the family was to move many times with his father's civilian occupation, that of bank manager. It was something of a nomadic childhood for Michael, with homes in Bristol, Cheltenham, Reading and eventually Newcastle.

Along the way Michael was sent to Bloxham boarding school in the Cotswolds, where he flourished both academically and also in the field of sport. He was the first pupil to secure an Oxbridge place in the history of this modest public school and was also captain of sport.

Michael was called up for National Service, where he passed out as an officer and was posted to Hong Kong for a year. He represented the army at boxing during his time in service, was also a good rugby and tennis player, and went on to be a good athletics all-rounder. During his years at Emmanuel College, Michael read law, in which he excelled (with a 3rd!), not bad considering the other distractions: it was at the end of his first year at Emmanuel when he was home in Newcastle that he met Anne for the first time. She was still in the upper sixth at school and the meeting was on the courts at Jesmond Lawn Tennis Club. Anne had another year to complete at the Central High School, Newcastle, before travelling down to continue her education at Westfield College in London. Luckily by this time Michael had been given his twenty-first birthday present, a handsome and speedy MGTD in British racing green, which could quickly burn up the miles between Cambridge, London and Newcastle. Michael and Anne were married in Wylam parish church on the River Tyne in August 1961. They celebrated their diamond wedding anniversary (their sixtieth) last summer, surrounded by their ever-increasing family.

On graduating Michael found that continuing with law and taking articles was an expensive road. Instead, his father fixed him up at Price Waterhouse in Newcastle, where he could train in accountancy. There began five years of misery as Michael was not naturally a numbers man, though this training stood him in good stead in the future. Anne and Mike began their married life in a rented flat in High West Jesmond before moving to a semi-detached in Gosforth, Newcastle. Their first son Antony was born and shortly afterwards they made the move down to the North-West, where Mike had secured a new position at a business based in Macclesfield. Their second child was daughter Diana, who was born in Southfields Maternity Home in Bowdon in 1967, the same venue for the arrival of their third child the following year, their son Stephen.

Michael enjoyed being a father and there were many wonderful family holidays when the children were little, usually camping, or staying with Anne's Mum and Dad in the Lake District or with his parents in Hexham, both places that Michael loved. Mike had a lifelong love of camping and he and Anne travelled all over the UK, often to Scotland. As they graduated from canvas to the caravan, he never lost that love and has passed his camping passion on to at least some of his children and grandchildren.

By the mid-1970s Michael was working as a management consultant and was posted to Belfast and Glasgow, which meant, for him, too much time away from home. He made the decision to draw a line and took up a new position closer to home. He worked within

Manchester city council housing department, which gave him much more time with his family. When, at 54, Mike was offered an early retirement package, he took it. It coincided with Anne being appointed head teacher at a school in Stockport and also with Anne's dad, Archie, moving in with them. Mike effectively became Anne's wing-man, a full-time carer and house husband; it also meant that when Di and Simon began their family, Dad was available to help and support his daughter. He was very hands-on with James and Becks, and gave Di vital help when she couldn't get out and about. Mike was also proud grandpa to Antony and Isabelle's children, Emily, Natalie and Madeleine, and to Stephen and Vicky's Millie and Max. James and Cat have also made him a very proud great grandpa to Zoe and Isla. There is plenty of fruit on this family tree, and with Becks engaged to Matt and other partners joining the get-togethers, the family continues to expand. It was very special for the whole family to come together to celebrate Anne and Mike's diamond wedding anniversary last year and for Mike to have been at home to enjoy his eighty-seventh birthday with his family only two weeks ago.

Michael had lots of interests in his life. That early love of sport, from rugby and boxing to tennis and athletics, continued into his prime. Anne and Mike both played tennis at Bowdon 'Posh', where he was first team captain at one point, though Anne describes him as 'an unorthodox player'. They were founder members of Bowdon squash club, where they played 'tennis on a squash court', said Anne. The sports clubs brought with them a rich social life and many friends, some of whom are here today, from the days of very active sportsmanship to the last years of Hale village bowling club, where Mike very quickly made friends but became 'their least committed member'. When Anne and Michael found themselves a little past tennis and squash, they rekindled an early love of golf. They had played together way back when (pre-children) and they began again by joining Heyrose golf club and enjoying golfing holidays in Scotland.

They had become more adventurous in their travels once the children were more independent. Holidays as far afield as Bali and six weeks in New Zealand were in contrast to their ongoing love of camping in the UK. They travelled all over Europe, often staying with friends.

We cannot speak of the passions in Mike's life without mentioning wine. It was the common thread running through many of the cards sent to the family this week. That and the twinkle in his eye, his naughty sense of humour and his love of the double entendre.

Mike was a wine enthusiast. He and Anne were founder members of Trafford wine club, founded 40-odd years ago. He became very knowledgeable on the subject, believing the wine cellar to be an absolute essential when looking for a new house. In later years his collection was meticulously logged and labelled, probably after years of missing bottles as the kids grew up and pilfered. Wine was a factor in the holidays they chose and the many dinner parties they enjoyed with friends.

Michael's pride in his children shone. He admired their guts, bravery and determination, and he passed on his values to them: integrity, honesty and the ability to progress in

life without stepping on others were key values he was eager to encourage in the next generations. He will most certainly have worried at times about their choices and direction, but his concern came through as support and pride in them as self-starters. He rarely judged and never wanted to hold them back, just stood beside them or perhaps at times behind, for them to lean on.

Michael died on 17 May 2022 at home, which is just where he wanted to be. He reached the age of 87, he enjoyed a long and fulfilling marriage with Anne, was a proud and loving dad, grandpa and great grandpa. He slipped away peacefully at the end of a good life full of love, laughter and family.



GERALD CECIL (BUNNY) LALOR OM OJ CD (1957) died on 22 August 2021. The following obituary has been sent by his family:

On Friday 5 December 2014, Gerald (Bunny) Lalor visited Emmanuel College specially to pay homage to his supervisor Dr Emyr Moelwyn-Hughes, with whom he published three papers in *Journal of the Chemical Society*. It was a disappointment to find there was no grave to visit. However, feeling very attached to Emmanuel College, Gerald expressed a desire to visit again.

Cambridge had made such an impression on him even though his stay was only one year. He was very touched that only Emmanuel College sent him a card on his eightieth birthday. On August 22 2021, Professor the Honourable Gerald Lalor passed away and with his passing Jamaica, the Caribbean and the world lost one of the most innovative and energetic scholars and activists for science and technology.

During the heyday when Jamaica was a leading exporter of logwood, Professor Lalor's earliest research and innovative projects concerned work in industry on dyes derived from logwood. His genius produced a compound that was extremely profitable. This discovery manifested itself in his University College of the West Indies MSc thesis, 'A physico-chemical study on haematoxylin and haematein: the colouring principles of logwood' in 1957. He became famous locally and overseas when his thesis was published in 1959 in the *Journal of the Society for Dyers and Colourists*.

Opportunities opened and Bunny arrived in Cambridge on a Leverhulme Colonial Scholarship, having been granted a year's leave by his employers, the West Indies Chemical Works Ltd, of Spanish Town. His good luck showed in his being assigned to live in 4 Master's Lodge during his year at Emmanuel. The Master, Edward Welbourne, did not live in the Lodge, so the bedrooms were allocated to students.

Indeed, Emmanuel College can be proud to have had a key role in helping to make Bunny Lalor a giant of a scientist in both academic and public spaces, a significant figure locally and internationally emerging out of about ten science graduates of the newly

minted University College of the West Indies (UCWI). We should mention that the 1951–53 Farquharson Memorial Award from the UCWI principal enabled Bunny, who was very deserving, to finish his undergraduate studies when he was desperately short of money. This experience made him very committed to finding financial resources to support students and developmental projects in his beloved Jamaica and the region for the rest of his life.

Bunny married Noelle Madeline Cameron and was a family man and a great role model for his children, Richard, Donna, Robert and Mark. Mark, the youngest, praised his father in these terms: ‘he always provided a good support system and made sure we all got a good education. He also ensured that we all strove to be the best that we could and provided counsel at all times. He was not one that that was full of words and partying but a great father figure and a great role model for all his children.’

Bunny Lalor was particularly grateful to Cambridge for giving him that special added value that went into creating Professor the Honourable Gerald Cecil ‘Bunny’ Lalor, Order of Merit (OM), Order of Jamaica (OJ), Order of Distinction in the rank of Commander (CD), MSc, PhD, fellow of the Caribbean Academy of Sciences (CAS), fellow of the Institute of Jamaica (FIJ) and fellow of the Jamaica Institute of Management (FJIM). He retired in 1996 from the post of principal and pro-vice-chancellor of the University of the West Indies, Mona, but continued his career for several years as director-general of the International Centre for Environmental & Nuclear Sciences (ICENS), which he had established.

Professor Lalor was not just an outstanding academic but was also active in public service. As a longstanding member of the board of Jamaica’s most prestigious media house, the RJRGleaner Communications Group, chief operating officer Christopher Barnes noted that Lalor would be sorely missed: ‘He always felt that *The Gleaner*, as the newspaper of record, as a key influencer of development for Jamaica, needed to play the role of promoter of science and the need for its integration into all facets of societal development. One needn’t look too far to find evidence that he was indeed right.’ Barnes called Lalor a ‘true nation-builder’.

However, it was primarily his teaching, research and development work at the University of the West Indies that engaged Professor Lalor’s immense talents. He was committed to his students’ progress academically as well as personally. Eight students have completed PhD degrees and eight have completed Masters’ degrees under Professor Lalor’s supervision. One of them, Dr Carlisle Boyce, wrote: ‘As our leader, Bunny was constantly vigilant for new potential research areas and consequently viewed any barriers the team encountered as opportunities to expand our capabilities. This strategic deep thinking made such an impression on me that in my own leadership career at 3M, when confronted with some really tough issues, my default was: what would Bunny do in this situation? Bunny successfully pushed the envelope with little disturbance, if any, on the status quo.’

Gregory Roberts, a former president of the Guild of Undergraduates at the UWI Mona tells his story in *The Gleaner’s* tribute to Professor Lalor: ‘Given the fact that I spent three

years being an antagonist of Professor Lalor's, I feel as qualified as any to share some insights into the man ... From his pioneering research as a young scientist studying the logwood dyes, to setting up the region's first centre for nuclear sciences, to bringing the internet to Jamaica, Professor Lalor was visionary. In 1994, very few could perceive the extent to which access to information would change the world. Professor Lalor saw this with unparalleled acuity and openly said that the university had to lead the charge into this new era. It may take a generation of historians to unravel the contribution of Professor Gerald "Bunny" Lalor to Jamaica and the Caribbean.'

Dr Luz Longworth, former executive assistant to Professor Lalor and later the principal and pro-vice-chancellor of the UWI Open Campus adds: 'Professor Lalor's brilliant work in his field is enough for us to recognise his stellar contributions to the society, but I would be remiss if I did not also highlight his humanity and care for his students and staff. These were characteristics that pulled us all to him in a network of support and commitment to the various initiatives he produced at rapid-fire pace. He insisted on ensuring that students had modern facilities for study and accommodation, and that his staff felt engaged in and a part of all his projects. His standards and expectations were high, and we strived to meet them at all times. He was, however, an understanding and tolerant leader, supportive and encouraging to his many students, and a humanist with a very soft heart. Some of my fondest memories of him are tied to the turbulent times in his tenure as principal, where he would quietly support the students' causes even when they had barred us all out of the campus! He would always tell me, "It's their university after all". His willingness to seek common ground in negotiations and always to make decisions that were in the best interest of the students and staff have guided my own leadership style throughout my career.'

In his tribute to Professor Lalor at the memorial service held in Jamaica on 2 September 2021, Sir Hilary Beckles, vice-chancellor of the UWI, captured the essence and character of Professor Lalor: 'We are in celebration of a life, over 60 years of service to an institution and to a region. As we reflect upon this journey and this contribution, we recognise that therein lies an excellent and ethical contribution. A colleague who was visionary and adventurous, representing the best of the UWI enterprise. A journey from student to principal to strategic thinker and transformative activist. If it can be said that it was Sir Arthur Lewis, our first vice-chancellor, who rescued the regional university from the political failure of federation, it was indeed Professor the Honourable Gerald Lalor who prepared the UWI for the future. He saw the future and he saw the future with clarity and performed as a magnificent architect.'

Professor Lalor had a voracious appetite for reading, keeping his finger on the pulse of his field and continuing his research and writing even well after his formal retirement in 1996. His research yielded 114 papers published in refereed journals. However, he also had the ability to identify societal needs, to fill the gaps while making the UWI relevant to meet practical aspects of life by taking on the challenges of rapid changes for Caribbean people. His winning charm, quiet dignity, quick wit and friendly demeanor were all important natural assets for executing his vision successfully.

Dr Conrad G C Douglas has recalled Lalor's deep knowledge, understanding and foresight to see the solutions to numerous Jamaican social and economic development problems, based on atomic science: he has left us a solution 'where Jamaica's sustainable development, with extremely low environmental footprints, could be substantially achieved through the application of nuclear energy'.

As we pay tribute to this extraordinary scientist, academic, university leader and member of Emmanuel College, we can but echo the words of vice-chancellor Beckles: 'This was no ordinary man. This was no pedantic professor. This was a visionary far ahead of the curve.' May he rest in peace while his work continues to drive material benefits for his people.



ROBERT JOHNSON (1958) died on 28 February 2022. His son, Niall, writes:

Born in Burton-on-Trent in 1938, Robert Johnson was educated at Burton Grammar School. Following National Service that took him to places as diverse as Leuchars and Berlin, he read modern languages at Emmanuel and earned a starred First. His academic career took him to St John's Oxford, the University of Newcastle and the University of Southampton. In 1969 at the age of 31, he was appointed professor and head of school at the School of Spanish & Latin American Studies at the University of New South Wales. He served there until the age of 62, when illness forced early retirement.

He married Enid Catherine Redbond (Newnham) and they had four sons, Christopher, Hugh, Niall (Sidney Sussex 1996) and Piers, before divorcing. He remarried and this second marriage produced his only daughter, Lara. Following a renal transplant, he enjoyed a further 18 years of life in Sydney before rapid deterioration following a fall. He died in Sydney on 28 February 2022.



DAVID KIRBY (1958) died on 7 October 2021. The following obituary has been sent by his son, Richard:

David Kirby, a former Emmanuel student and Cambridge University cricket captain, passed away on 7 October 2021, aged 82. David attended St Peter's School in York, where he spent five years in the first eleven, the final two as captain. He also played in the Minor Counties Championship for his native Durham, as well as representing the school at rugby, hockey and squash.

He read modern languages at Emmanuel between 1958 and 1961, and also spent three years in the university cricket side, captaining the 1961 team, which included two future England captains, Tony Lewis and Mike Brearley. After each

summer term, David played for Leicestershire in the county championship and became their last-ever amateur captain in 1962.

He was offered the chance to return to Cambridge in 1963, but chose to accept a teaching position at his old school, where he taught French and German until his retirement in 2001. However, David's association with St Peter's lasted even longer, as he remained master in charge of first-eleven cricket until 2012, some 43 years after taking on the role. Among the 100s of young cricketers who passed through his care was the current England batsman, Jonny Bairstow.

David is survived by his wife Anna, his two children and seven grandchildren.



PETER TIMOTHY MARSH (1958) died on 4 January 2022. We have been sent the following obituary from his wife, Amanda:

Peter Marsh was born in Toronto, where he spent the first 22 years of his life. His parents were Margaret and the Revd Henry Hooper Marsh, later to become bishop of the Yukon. While not gifted at any sports, Peter enhanced his academic achievements at the University of Toronto School by excelling in school drama, performing as the Mikado among other roles. In 1958 he set forth, by ship, across the Atlantic for the first time, to pursue postgraduate studies at Emmanuel College. His first meal there imprinted itself indelibly on his memory: a salad consisting of a lettuce leaf and an inchworm, liberally drenched by mistake with custard! Despite that baptism, Cambridge suited him well, especially given its proximity to London, where he could indulge his love of music and art. He gained his PhD from Cambridge in 1962. Friendships made at Emmanuel have lasted to this day.

Returning to Canada, Peter's first teaching post was at the University of Saskatchewan, where he was instructor and assistant professor of history between 1962 and 1967. A lucky encounter there with British historian Asa Briggs led to his spending a period in Oxford as a visiting Fellow at All Souls. Peter was appointed as an associate professor of history at Syracuse University in New York state in 1967, rising speedily to be chair of the department of history 1968–70. What an incendiary time to become chair! Peter was not drawn to go down the university administration route, greatly preferring to teach and undertake research. While his early field of research was based on church history, he gradually moved to a wider sphere of nineteenth- and twentieth-century British history and then to international political economy. He became professor of history at Syracuse in 1978 and professor emeritus upon retirement in 2000. He was director of the Syracuse University Honors Program 1978–86 and designer and director of the Andrew W Mellon Foundation project for the integration of liberal and professional education, 1984–86. He was the resident chair of the Syracuse University Program in Florence in 1987 and 1988, a period that cemented his interests in European history and culture, as well as producing more lifelong friendships. Subsequently,

he was appointed professor of international relations and coordinator of the Maxwell undergraduate teaching grant for courses on 'global community' and 'current issues in the United States'. He was president of the Middle Atlantic States Conference on British Studies, 1994–96, and a Leverhulme Fellow in association with the University of Birmingham, 1996–97. He received an Honorary LittD from the University of Cambridge in 1995 and was granted an honorary professorship at the University of Birmingham in 1997. He was a fellow of the Guggenheim Foundation in the USA. It is clear from the number of letters that Peter received from past students that he was long remembered as an outstanding teacher and mentor.

Peter's principal publications included *The Victorian Church in Decline: Archbishop Tait and the Church of England, 1868–1882* (Routledge & Kegan Paul and University of Pittsburgh Press, 1969), *The Discipline of Popular Government: Lord Salisbury's Domestic Statecraft, 1881–1902* (Harvester Press and the Humanities Press, 1978; republished by Gregg Revivals, 1993), *Joseph Chamberlain, Entrepreneur in Politics* (Yale University Press, 1994) and *Bargaining on Europe: Britain and the First Common Market 1860–1892* (Yale University Press, 2000). His biography of Joseph Chamberlain is widely recognised as the definitive study of the man who made Birmingham 'the best governed city in the world', founded the University of Birmingham and, on the national stage, became Secretary of State for the Colonies during the Second Boer War (1899–1902). Both Joe's sons entered politics, with Neville famously becoming prime minister 1937–40.

Researching for the Chamberlain biography led Peter to a deep and lasting friendship with several members of the Chamberlain family. Further publications connected to Joe, his family and his estate in Birmingham led to the publication of *The Chamberlain Litany: Letters within a Governing Family from Empire to Appeasement* (2010) and, with Justine Pick, *The House Where the Weather was Made: A Biography of Chamberlain's Highbury* (2019). Peter was honoured to give the centennial lecture on the hundredth anniversary of the charter of the City of Birmingham in 1989.

Peter was always deeply interested in music, theatre and the arts, and was, like his parents before him, a very keen birdwatcher. Spending time on both sides of the Atlantic he had to build up a double list of species to recognise, and seemed pretty much expert in both. His musical tastes were very wide-ranging. While in Syracuse he would regularly head down to New York City for a weekend of opera at the Met. Joe Chamberlain's Birmingham beckoned with the City of Birmingham Symphony Orchestra, and when Peter was thinking about retirement he decided to spend at least half his time in England. He bought an apartment in Birmingham's Jewellery Quarter in 1997, a 15-minute walk from the new Symphony Hall where he regularly heard the CBSO under Simon Rattle.

When he returned to Canada from Cambridge Peter married Margaret Watts, herself the daughter of a bishop. With her he had three children. Stephen, the eldest, teaches in Trochu, Alberta, while Andrea is director of corporate, foundation and government grants at Goucher College, Towson, Maryland. Susan is instructional designer at Molloy College on Long Island (an expert in online learning, which has come in very handy these past Covid-19 months). Peter's second wife, Konstanze Baumer, died in 1992.

After coming to live (at any rate part-time) in Britain, Peter met Amanda; they married in 2001 and Peter's residency became permanent. While always a city boy, his involvement with the natural world was a big feature too. Finding a home in Kings Norton, on the edge of Birmingham but connected by rail to the centre as well as by road to the Worcestershire countryside and beyond, made a perfect fit for the city boy and the country girl.

Peter was almost immediately involved as a governor, soon chair of governors, of a small secondary school attached to the inner-city church at which they had been married. With the enthusiastic support of the then head teacher and encouraged by the then schools minister Lord Adonis (who told Peter that he was 'one of my historical icons' after reading *The Discipline of Popular Government*), Peter and the head teacher David Gould set out, with the support of Ark Academies, to convert the school into an academy, achieving a new building for it as well as establishing a sixth-form. Ark St Alban's Academy, based in one of the most deprived urban areas in Britain, is today remarkably successful in sending its pupils on to universities and other higher education establishments. Still a Church of England school though one with a majority of Islamic students, all are encouraged to learn as much as they can about their own religion and also about the religions of their fellow students. A notable memory is the occasion when the Christmas story was told to us from the Qur'an. Helping the academy into existence, Peter thought, was one of the most important actions with which he had been involved. He published *Faith in the Inner City: A History of St Alban's School and Academy* (2013) to coincide with the move to the academy's new building.

As well as his three children and granddaughters Lisette, Caroline, Jessie (Susan and Lyndon) and Maggie (Andrea and Jason), Peter is survived by his beloved sister Mary in Ottawa 'who has always been in my corner' and by Amanda. All three children, together with Lisette (and her boyfriend) and Caroline were able to visit Birmingham in the late autumn when Peter came home from hospital. That was a very precious time for us all.

'A man of great human qualities and public virtues, he leaves an outstanding legacy of achievement and an abundance of wonderful memories.' Stephen Wycherley



MICHAEL ANTHONY CLIVE HOLE (1959) died on 29 October 2020 as reported in last year's *Magazine*. His wife, Rita, has sent us the following obituary:

Clive was born Michael Anthony Clive Hole on 7 September 1940 to Kenneth and Dorothy (née Hayworth). He had three siblings: Rea, the eldest sister and Jill, also older than he was, while his brother Peter was younger. As a child Clive spent five years of the war in Grasmere and there he went out in a friend's rowing boat. He said he was fascinated by the water, by its movement. Clive started rowing regularly aged 15.

He went to Cambridge University and studied natural sciences (embryology, anatomy and physiology) at Emmanuel. He wanted to be a doctor and also considered being a pilot as two uncles were, and a third had fought in the war. At Cambridge he tried for the rowing crew but was not chosen: his favourite seat was stroke.

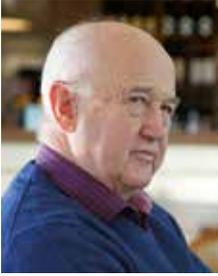
Clive got a third at Cambridge and went on to become a teacher. He taught geography, maths and history at Sandroyd School in Wiltshire for three years. He then taught at the school of medicine in Cardiff for a few terms. Next, as a supply teacher, he taught biology at Tulse Hill Comprehensive School in Lambeth, London. Clive said this was his most challenging job as he had a posh accent while the pupils did not! While there he rowed at Quintin boat club in west London.

Clive admitted that he lost his focus at this time and, unsure what to do, he saw an advert in a newspaper for a primate research institute in Kenya and adventurously spent four months there! On his return he spent three years teaching biology at St George's College, Weybridge, Surrey. He continued rowing and would coach at Cambridge at least once a year. Clive was even an Outward Bound sailing instructor one season on the Moray Firth.

In 1972 he came to Durham to teach biology at Durham School and naturally he joined Durham Amateur Rowing Club and coached rowing. He taught at the school until 1980 and lived at Brown's Boathouse from 1976 to 2000. With Paul Lishman and Eric Whiteley he formed Brown's Boathouse Ltd, operating pleasure boats. Their fleet began with the *Dunelm 2*, an open-river cruiser, and was later joined by the *Prince Bishop* in 1989. Eric and Paul built wooden racing eights, fours, pairs and sculls to a very high standard. The *Prince Bishop* was built in Norfolk and designed by Clive to fit through the bridges. When Milburngate shopping centre was built, there was a demand that the boathouse be modernised, so it was sold and is now a pub.

Clive was instrumental in forming the Three River Serpents Dragonboat Club in the late 1980s. Chris Kenyon, a fellow DARC rower, liaised with the Hong Kong tourist board, which wanted rowers from Great Britain to represent the country in the dragonboat world championships. Hong Kong donated a teak dragonboat to DARC so that the crew could practise. Clive was the helm and Peter Duncan, of *Blue Peter* and *Duncan Dares* fame, joined the crew, spending a week in Hong Kong for the championships. There was much press coverage and it was televised on *Duncan Dares* in May 1985. Clive was an integral part of the club, helming the serpents to many victories in his colourful clothes and straw boater! He travelled extensively with the Serpents, competing in China in 1992, India in 1994, South Africa (Serpents won!), twice in Canada and again in China in 2000 at three locations (Beijing, Hangzhou and Xiamen). The teak boat stayed at DARC for about four years and was then used by the Tynemouth Tsunamis, a club in Blyth, and by the Hartlepool Powermen.

Clive said that he first met Rita in 1989 and they got together some ten years later, and that Rita has looked after him ever since!



ANDREW JOHN FARQUHAR JONES (1959) died on 15 February 2022. His family have sent in the following obituary:

Andrew John Farquhar Jones passed away after an unexpected short illness on 15 February 2022. He faced his short time in hospital with the stoicism and good humour that marked his life, joking with hospital staff and putting on a brave face for his family while imparting words of wisdom right to the end. From the many messages of condolence the family have received, one theme runs strong: Andrew was an intelligent, fun-

loving person who worked hard and played hard. He was loyal, kind and generous, and extremely proud of his children and grandchildren.

Andrew was born on 9 March 1939 in East Molesey, Surrey, just before the outbreak of the Second World War. He was the second child of Arthur and Marion. During the war Andrew's father worked for the ministry of food in Colwyn Bay, Wales, where Andrew first went to primary school. After the war the family, with older brother Tim and younger sister Gina, began the first of several moves resulting from their father's work. While living in West Byfleet, Surrey, Andrew attended Dane Court prep school. By the age of 10, the family had moved to Chesham Bois in Buckinghamshire; from here Andrew attended Merchant Taylors' School. A determined and independent boy, each day he would cycle to Amersham station, take the train to Moor Park and then walk one mile to school. Having a great spirit of adventure, Andrew would spend many summer holidays travelling independently by train to visit his grandparents in Barton on Sea, where he learned to sail. He had a lifelong love of boats and the sea, and they featured heavily in his artwork in later life. By the time Andrew was 12 years old his family had moved to Bramhall, Manchester, and he and his brother Tim were sent as boarders to Rydal School back in Colwyn Bay. Andrew did well at school, although he may not have been the easiest of pupils: as a friend recently commented, 'one of Andrew's endearing characteristics was that he was never reluctant to express his opinions in an authoritative manner, when he knew absolutely nothing about the subject being discussed!' It was at Rydal that Andrew found his love of rugby and cricket, two sports he followed with great enthusiasm throughout his life.

Andrew got a job with the Manchester sales office of ICI as a school boy, working there for two years. The company went on to contribute to the funding of his studies at university. Having passed the entrance exam to Cambridge he went to Emmanuel College, where he studied economics. It was at Emmanuel that Andrew became great friends with Tim Bennet, Mike Kershaw and Pat Dronfield, with whom he shared his mischievous sense of humour. They remained lifelong friends and furnished the family with many amusing anecdotes of his time as a student!

After graduation, Andrew returned to working for ICI and became their sales representative for the North-West. It was at this time that the most important event in his life occurred: he met his future wife, Pat, at the Wilmslow rugby club. They married

and, following a promotion within ICI to the position of sales control manager at the alkali division in Northwich, moved to Davenham in Cheshire, where their children, Rebecca, Sarah and Daniel were born. Andrew was a proud, loving and supportive father who always followed his children's lives with enthusiasm. He had a great sense of fun, enjoyed a song and a party, and became known as chief of the BBQ and master of the family choir to his four grandchildren.

It was while living in Cheshire that Andrew's thirst for adventure was rekindled. Having transferred from home sales to exports, he travelled throughout East and West Africa, encountering scorpions in his bed in Sierra Leone, travelling to meetings on dugout canoes in Ghana and surviving scary encounters in war-torn Nigeria. He described the people he met on his travels as cheerful, industrious and clever. It was no surprise then that, given the opportunity, he and Pat decided to accept a transfer to ICI South Africa. The family lived in South Africa for many years, where Andrew was a popular, hard-working friend and colleague. He left ICI after a couple of years and went on to work for a local company, Protea Industrial Chemicals, where Andrew was equally popular and successful. A former colleague referred to his time working with Andrew as the most enjoyable in his entire career. Meetings were frequently held in the local pub, known by Andrew as 'the branch office': this informal atmosphere allowed ideas to flourish and successful working relationships to grow. While living in South Africa, he made many wonderful friends who continued to party with him throughout his life.

After a happy and exciting time in South Africa, Andrew and Pat returned with their family to the United Kingdom. They settled in the picturesque village of Clavering on the Hertfordshire/Essex border. It was while living here that Andrew set up his own businesses: first Nesby Maritime Trading based in London, then Britstar Chemicals based in Stansted Mountfitchet, and finally Diamond Chemicals based in Clavering. Andrew enjoyed being his own boss and built in time to develop other interests, the most significant being the restoration of the windmill in his garden.

Following his retirement, Andrew and Pat moved to north Norfolk, an area he loved. He loved nature and he loved the coast with its estuaries and boats. The gentle pace of country living suited him well and gave him ample opportunity to paint, a pastime he developed in retirement. He painted in acrylic, mostly from his heart and imagination, preferring his memory for his landscapes, botanical paintings and paintings of boats. Andrew was also an avid reader and a keen writer; over the years he chronicled many humorous family stories and work adventures, which continue to amuse his friends and family today.

Andrew was a vibrant personality: funny, intelligent, witty and loyal. He was loving of life, friends and family. He always felt life was to be enjoyed as much as possible, that friends and family were important and, after his diagnosis of cancer in his fifties, he never took a single day for granted. He contributed greatly to his family, his many friends and work colleagues. He lit up a room and engaged everyone he met. When in hospital he spoke of how lucky he'd been and said that he had been blessed. We were blessed to have

him in our lives. Death was certainly not what he had planned at this time, but he had a life well lived and was very loved. He was a brave man, a good friend, a loving husband, a wonderful father and grandfather, and he will be deeply missed. He is survived by his wife, Pat; his children, Rebecca, Sarah and Daniel; his grandchildren Benji, Archie, Lizzie and Monty; and his sister, Gina.

RICHARD JAMES SLESSOR (1961) died on 19 November 2021. We have received the following obituary from his friends, Warwick Hillman (1961) and James Thomas (1961):

Richard Slessor died suddenly on 19 November 2021, only a week after appearing on great form in a regular Zoom mini-reunion involving four lifelong friends from his Emmanuel days. Richard's equable and inclusive nature mirrored his secure upbringing in a comfortable and loving environment. His father was solicitor to the development corporation of Stevenage New Town, and his friends enjoyed occasional visits to their 'tied cottage', which was a spacious and elegant half of an old rectory on the edge of the town.

Richard was educated at Framlingham College and arrived at Emmanuel after working for some months in a bank in Brussels, which made us very envious of his facility in French. His biggest regret in life was having been sent away to prep school aged eight. It was surely with this in mind that, on our first evening in Barnwell Hostel, he invited all of us with rooms on his floor for coffee and the first of many long evenings dedicated to righting the world's wrongs. These evenings were notable also for forays into his incredibly eclectic record collection. An Ace of Clubs disc of Irish rebel songs was especially memorable, particularly because his closest friend was Donald Stewart, a proudly Protestant Ulsterman.

Richard's activities at Emmanuel were just as eclectic. He sang in the chorus of the Gilbert & Sullivan Society, played badminton for college teams and was a regular and often very funny speaker at the debating society. Politically he was marginally to the right of centre and developed his public speaking skills at the feet of a redoubtable lady called Mrs G Howard Cusworth, whose services were provided free to all University Conservative Association members, several of whom are now in the House of Lords. He also edited an edition of their termly magazine, using a battered old typewriter on which the 'r' did not work, as a result of which he became known to his friends as Ichad.

By the end of our second year, he had decided that he no longer wanted to be a solicitor and changed courses from law to modern European history, which was far more in line with his interests. His Tutor thought that this and his linguistic skills fitted him perfectly for a career in MI6 but, after learning at an interview in London of some of the unpleasant things he might be expected to do, he opted out and, being totally loyal to his Tutor, only told a group of friends, long after the man had died, at a friend's seventieth birthday lunch. His wide range of interests qualified him admirably for a place in Emmanuel's first team to participate in *University Challenge* in May 1964, though today's teams seem to know far more than he did. The team did, however, appear in the *TV Times* in one of the weeks that it was on.

On graduating, Richard taught for a year in up-country India for VSO, which gave rise to many hilarious letters, plus an occasion when he sent his Christmas cards at the end of October, allowing the recommended seven weeks to ensure their timely arrival, only to discover that they had been sent by airmail and were adorning his friends' mantelpieces on 1 November. He then took 66 days to travel back by bus, managing to get arrested, though rapidly released, as a spy while taking a photo of a bridge en route.

Thereafter, Richard spent 40 years in educational publishing. Much of his working life was spent in the Far East, including 14 years as publishing manager for Books for Asia, a Macmillan subsidiary, in Hong Kong and Singapore. He also spent seven years in Cheltenham, where he built up from scratch the arts and social science list for Stanley Thorne, a rapidly expanding educational publisher, long since swallowed up. It was then that he set up home in Winchcombe, where he became, when not in the Far East, something of a local celebrity. For many years he was chairman of the local history society and, after Radio Winchcombe acquired its 24-hour broadcasting licence in 2012, he had his own weekly radio programme: he spent an hour playing music from his still hugely eclectic collection and mused about the world's absurdities, of which as an ardent pro-European he found no shortage in recent years. He was also one of the regular presenters of their weekly programme on local current affairs.

Richard always enjoyed passing on his knowledge and experience, and spent several periods lecturing on publishing, both abroad and at West Herts College and Lancaster University. It was while working as a lecturer in business communication at Temasek Polytechnic in Singapore that he met his wife, Nella, who was first cellist in the Singapore Symphony Orchestra, of whose board he had become a member.

That first evening in Barnwell Hostel set the tone for our lifelong friendship. His hospitality was legendary, whether in Winchcombe, where we exhausted all the local pubs and sights several times over, or in Singapore, where he led us to evening food markets and temples we would never have found. He is deeply missed by a worldwide circle of good friends, whose lives he greatly enriched.

IRVINE PHILIP GORDON ALLAN (1964) died on 25 March 2021. His wife, Suzanne, has sent us the following obituary:

Philip was born in West Kirby, the second of four children. He was educated at Shrewsbury School from where he gained a place at Emmanuel College, 1964–67. He first read politics, changing to history. He became president of Emmanuel's debating society. Debate and political discussion were activities that engaged him all his life.

After leaving university Philip moved to London, working first at the Institute of Physics on their journal for 18 months and then for the publishing company Thomas Nelson. He worked for Nelson's academic division as commissioning editor in social sciences for four years. Given what the success rate demanded of him at Nelson's, Philip decided to

establish his own academic publishing company, producing textbooks in economics and social sciences. He had the backing of two eminent professors of economics, who wrote the first two texts published with the company's imprint. Thus, Philip Allan Publishers was established in the village of Deddington, Oxfordshire.

In the early years the company struggled until Philip started to publish educational magazines. The book list was sold to Simon & Schuster International in 1989. Ten years later the company acquired Updates Ltd, an educational conference provider. Trading now as Philip Allan Updates, the company expanded into textbooks for A-level and GCSE students as well as publishing magazines, running student conferences and providing teacher training courses. The company employed 50 people.

After 33 years, having built up and run his by now well-respected publishing house, Philip sold the business in 2006 to Hodder Headline. His main focus in retirement was charitable work. The contribution he made at the Leonard Cheshire Foundation took on a new direction with the establishment of Ryder-Cheshire Volunteers. The charity operated across several counties in the Midlands, helping disabled people participate in learning and leisure activities.

A kind, gentle and courteous man, Philip had a benign influence on whatever he participated in. His wife Suzanne and the couple's four sons survive him.



PETER THOMAS ASHLEY BOWER (1965) died suddenly on 1 March 2022. We have received the following tribute from his daughter Melanie and wife Anne:

Peter was born in Newcastle on 10 December 1946 to Thomas and Kathleen and went to school at Loretto in Scotland, where he donned a kilt; he continued to wear it at special occasions for many decades, until the pin could be loosened no longer. He then followed in the footsteps of his father, Tom, who had matriculated at Emmanuel in 1933. Peter went up to Cambridge in 1965 to read English literature under the guidance of Derek Brewer, though it is likely that he spent more hours in his first year playing pinball at the Burleigh Arms on the Newmarket Road than in the library! Peter also played a guitar and was the lead singer of a popular group called 'The Fix' while at Emma; the group played at many parties on the Cambridge social scene during those years; even when he wasn't singing for the group, he would play for his friends in his room in South Court or while floating down the Cam on a punt. Peter also enjoyed playing hockey for the Styx, who would organise matches against ladies' colleges that would always culminate in a party afterwards. During several summers, Peter held a job as a European guide for tourists, many of whom were young Americans. This prepared him well for the next stage of his academic achievements at the Wharton School of Business in Philadelphia.

Peter had a varied and interesting international career, first in Europe and then in the United States. He started his career in shipbroking, then retail, then as a management consultant for what is now the Boston Consulting Group. When a project took him to the US in 1978, he ended up spending the rest of his career there, running companies in aerospace structures and telecommunications in New England and, finally, in Florida. He managed businesses and projects in over a dozen countries and was well respected for his ability to bridge all cultures in his various leadership roles.

Peter made the wise decision to retire early, so he was able to enjoy thoroughly the last 20 years of his life playing golf, bridge, alpine skiing and travelling with his wife, Anne. He earned the certification as a master naturalist in Florida, participating in annual bird-counting surveys and maintaining a wild and beautiful garden that nurtured the local ecosystem of flora and fauna. Additionally, Peter expanded his collection of beautifully crafted antique firearms and was periodically published in aficionado magazines, having researched the origin and history of specific pieces, to the delight of historians and antique collectors throughout the world.

Peter was exceptional at building and maintaining friendships, so while travelling the globe regularly in his retirement there was almost always a friend from the past to visit or a new friendship to build. He continued entertaining friends at parties with his guitar throughout his life; in fact, his last night alive was spent jovially singing and playing for visiting Emmanuel friends and drinking Emmanuel College port!

Peter is survived by his second wife, Anne Bower, in Fort Walton Beach, Florida; a daughter Melanie Bower Calu and two grandsons, Tilo and Liam in Munich, Germany.



JOHN DRAYTON PICKLES (1967) died on 9 January 2022. We have received the following tributes, which were read at his funeral:

Tony Kirby said:

John's contributions to the local history of Cambridge and the county were many, in articles for the *Proceedings of the Cambridge Antiquarian Society* and the *Review of the Cambridgeshire Association for Local History*; most recently he had compiled a cumulative index to the latter. He will perhaps be best remembered for his two-volume edition of *Romilly's Cambridge Diary* (published by the Cambridgeshire Records Society), with footnotes and indexes giving perhaps the most comprehensive coverage of the great and good, and not-so-good, of mid-Victorian Cambridge we are ever likely to have: the volume is a fitting memorial to his infinite capacity for ferreting out the most obscure details. For 46 years he was the librarian of Cambridge Antiquarian Society, and custodian of its collection of books, periodicals, prints and maps. I worked with him closely on two

CAS projects: first, putting online the society's collection of maps of the county, which he was anxious should be made available to a wider public and, more recently, organising the 2019 annual conference on 'Cambridgeshire before 1939' as portrayed in photographs and films, where he was an invaluable colleague and produced a comprehensive handout for delegates giving full details of the films. At the time of his death, he had other research projects in mind, which I hope will be completed as a fitting tribute to him.

John was kindness and modesty personified: no query on local history, however abstruse, was too much for him, and an email would be answered almost as soon as it was sent! And over innumerable cups of coffee in the graduate centre or the Macdonald Institute we would have wide-ranging discussions, which almost invariably ended up talking about his beloved Yorkshire, whether the architecture of Saltaire, the Shipley Glen Tramway, the nineteenth-century Bradford 'establishment', or the destinations of Bradford day-trippers to the seaside in the context of the railway geography of the North of England.

I shall miss his fellowship, erudition and unfailing courtesy immensely, as will a wide circle of his friends in Cambridge and beyond.

Sian Porter said:

I thought rather than try to go through things in a biographical way I would simply take a moment to speak from the heart, to voice the messy gut feeling that today evokes. I think we all know that John was a collector of books. It was a bit of a compulsion that I, as a recovering hoarder of comic books, felt I did understand. Books brought him joy in each new discovery and they brought a certain degree of reassurance through their lingering presence. The volumes upon volumes perhaps represented information, experience and human life in all its varied forms still anchored to something solid and relatively organic. My theory is that John had a deep-rooted reverence for the way those words had obstinately survived in the physical world, long after their authors passed.

The scent of old books is distinctive, a powerful memory trigger for many. I found out it is caused by the volatile organic compounds from the books' make-up. Wood pulp and tanned hide break down into chemicals such as toluene or ethylbenzene, which have a lot in common with almonds, or else benzaldehyde and furfural, which share similarities with vanilla. These scents are a signifier of breakdown, of decay, but they are also sweet and comforting at the same time.

I feel as though John's loss, for me, may become a similar thing. For now, the grief is still too fresh; it hasn't quite matured yet. It's the sense of finding a book with the last few pages ripped away, an ending that came a chapter too soon.

But I have four decades-worth of hoarded moments stored in a library with no discernible filing system. They're kept in chaotic internal piles muddled up with shopping lists and the latest utility bills. There's a phone conversation about family here, an email chain back-and-forth about work there. A head poked round a kitchen door as he asked if he could lend a hand. An impromptu history lesson. Sitting together poking at a new

device refusing to cooperate. Twisting debates that would finish in a call to put the kettle on. Walking side by side as John did his distinctive forward-leaning stride, hands behind his back and cap fixed firmly to his brow.

The memory of him is a volatile organic compound found between layers of yellowed paper and disintegrating leather in my mind. And given a little more time I'm certain those memories will, like the scent of old books, be sweet and comforting whenever I choose to browse through them.

Andrea Porter said:

My cousin John was kind and generous, not only with money but also with something more precious, time and compassion. He was always unfailingly supportive. When my mother had dementia, he would always ask if there was anything he could do to help. When I broke my hip, he came miles in a taxi to see me. He would research things I needed to know when working on something such as family history or a book about a local young First World War pilot. When I mentioned that I couldn't find anything about my great uncle's death in the war, within a couple of days he had come back to me with details about his service record and even a photograph of the war cemetery that was his final resting place in Belgium.

He always wanted to know if there was anything he could do to help when he stayed with me, even down to trying to mow my grass once when gardening was not his forte, as his own back garden attested. A rotary electric lawn mower was to him an alien object spawned by the devil.

He loved books: they were to him a window onto the world and people from the past. These people and events mattered to him. John always had a book in his trusty clear plastic Cambridge University Library bag: the book and that bag would have been on his coat of arms had he had been awarded one; perhaps also a good fountain pen with a left-handed nib might have been on there too.

He loved books about the past in any shape or form but especially about the Victorian age. He wasn't the campaigning sort at all, but I think he was always a champion for our history, for it to be held as a precious thing. His work with the Cambridge Antiquarian Society showed that aspect of his life. He did find archaeology challenging and did sometimes adhere to the view of it being 'a series of low walls' and he couldn't get excited about a shard of pottery, but he would defend to the hilt the right of people to preserve what is our series of low walls and our shard of pottery because they spoke to who we were and therefore who we are as a species and what we might become.

He read fiction, but he loved things that opened up obscure and forgotten past lives or places. I think that is why he loved cemeteries so much; there he could find ordinary men and women where the very existence of a gravestone could literally mark their passing through this world. He loved the adventure of finding them.

Once, when we were in Bath, he discovered where Frederic Weatherly was buried. Weatherly was an English barrister who wrote the lyrics to *Danny Boy* and many other

songs including *Roses of Picardy*, popular during the First World War. He had written a piece for the *Oxford Dictionary of National Biography* on him and so we searched this rather overgrown cemetery for him and eventually I heard John's little huzzah from a plot in a far corner. 'I've found the old boy', he said, 'He could do with a bit of a tidy up', and John started to push back brambles with his bare hands and to pull out weeds.

He was thrilled when, on holiday in the North East, he found a headstone with an inset photograph of a racing pigeon and another with a steam train etched on to it, and yet another with a rock guitar. He thought they would say something to future generations about who we were just as much as the sentimental Victorian kneeling weeping angels and the impressive stone monuments for the rich. He wasn't a snob about cemetery furniture, as he called it. His perfect holiday involved good secondhand book shops (he found Waterstones far too boring), a large undocumented Victorian cemetery and excellent tea shops with perfect light scones and cake. In Hay-on-Wye we found all three things and it was his Shangri-La. However, he also loved a good beach and would examine pebbles of all kinds as if looking for a rare fossil. He could also scramble up quite steep hills and cliffsides with a surefootedness that was astounding for a man in his seventies.

During these recent Covid-19 times he was in my support bubble, and he would enjoy coming over quite regularly. His usual routine of visiting his office in the Haddon Library or going to the Central Library and Cambridge University Library disappeared and he found this difficult, but his books were his constant companions and they never deserted him during the times when Covid-19 was at its worse.

He would often bring me books that he had found in his treasure trove or that he had recently found that he thought I or Sian my daughter might like. Sometimes I would find little slips of paper inside them on which he had written things just because he needed to comment on something, almost as if he was speaking to the book and apologising for how someone had let it down. These comments included, 'Good book greatly spoiled by an editor who had no grasp of punctuation' and 'Why the hell the editor let the author ramble on for two chapters instead of getting to the point defeats me' and, my favourite, 'Shambolic apostrophes'.

He was very private about some areas of his life and amazingly open and funny about others. I could tease him about his book obsession and he even joked about it himself. However, he was like a magpie drawn to facts and texts that no-one but he would have seen as glittering treasure. He could also make very left-of-field connections between texts that others failed to make. He told me he could not really understand why some situations, such as travel, public speaking or meeting unknown people, made him so paralytically anxious but he had come to accept that it was what it was, and you managed as best you could.

I think he often failed to see his own immense worth to others as a trusted and much-loved friend, and I think he never fully grasped how loved and respected he was by those who knew him well, even when they told him that. He was a very unassuming man, but this did not stop him reaching out to others if he felt he could help them and speaking up if he felt something needed to be said. He always strived to do the 'right thing'. What I want

to remember about him most is his enthusiasm for small things and the way his eyes used to light up when a good Chelsea bun was on his plate, or an unknown second-hand book shop appeared in the distance, or a literary or small biographical mystery was solved.

He touched many lives by his acts of kindness and, like a stone tossed into a pond, each of those acts created ripples that spread further and are still spreading today.

He was a loyal friend, brother, brother-in-law and cousin. He was kind, generous to a fault and a true gentleman. I think it would be fitting to describe him using that famous phrase from Chaucer's *Prologue* about the Knight. He was a perfect, gentle knight. He had to fight the dragons of anxiety and at times depression for a great deal of his life but he won those battles against those monsters or kept them at bay as best he could.

This poem, written by him, sums up his view of life and the last two lines demonstrate how he lived his life: he made a covenant, a promise to himself that those he loved would receive his help and support wherever or whenever he could. He will be missed.

Father and Son

If with this will or hand I might deflect
 Each injury, or by all means protect
 Your happiness and hopes in time to be,
 I would do so in sleepless ministry,
 Yet, since uncertain Nature disallows
 Much force to parents' prayers or kindred's vows,
 I leave these lines. Read them when I am gone,
 Part of my last and cautious benison.

Who lives may not escape the victim's part,
 Soreness of spirit, bruising of the heart,
 Dull hours of pain, the enervated frame,
 Affections lost, grown lame or thrown to shame.
 Such is man's part – but such is not his whole;
 Chance in its thousand shiftings formed his soul
 To perish with the flesh yet while they last
 In love and need to other lives bound fast.
 Chance moves in innocence, oblivious
 Of our desire or what it does to us,
 And out of fear or faith some call it God,
 And say all shall one day be understood.
 I will not mock the dreams I will not share –
 To each his private sedative for care,
 To each the freedom openly to scan
 And guess the riddle of his little span.

I want this much for you: unfailing power
 To look at life beyond its present hour,
 To know man's follies, faults, and cowardice,
 His perjured promises, his briefest bliss,
 But at the end with honest eyes to see
 And with an understanding mind agree –
 Flawed as we are and futile, we must make
 Some covenant to ease each other's ache.

J D Pickles

© Taken from *More Verse Pamphlet* published 1988

[John gave substantial help to the college archives; see the Archivist's report in this *Magazine*. – Ed.]



WILLIAM RHYS POWELL (1967) died on 23 March 2022. His daughter Victoria, writes:

The son of a country parson, Canon Edward Powell and his wife Anne, William grew up in the idyllic Suffolk countryside in the post-war years. He was educated at Lancing College and Emmanuel College. After graduating in 1970, William began his career at the bar in London, joining Lincoln's Inn in 1971 where he practised criminal law. He served as MP for Corby and East Northamptonshire from 1983 to 1997 before finishing his career at Regency Chambers in Peterborough. William had a lifelong passion for history, particularly the long eighteenth century, as well as a deep interest in horse-racing, American history and politics. His friends will remember his wonderful conversation and ability to talk about almost any subject imaginable. William was a much-loved husband to Elizabeth and father to Sophie, Victoria and Natasha. He will be greatly missed by all his family.



JOHN HENRY ELLICOCK (1969) died on 12 May 2022. His wife, Wendy, has sent in a few memories of his life:

John was born in London on 17 June 1946 to an army family. He was educated at Watford Grammar School and the Royal Military Academy Sandhurst from 1965 to 1967, where he won the Sword of Honour. He served for eight years in the parachute brigade and two years in BAOR in Germany. He left the army in 1977 as a captain.

While in the army he spent three years at Emmanuel College studying engineering. He was president of university athletics and represented Great Britain as a high jumper in 1971 and 1972. While there he met Wendy (Newnham), who shared his interest in sport. July 2022 would have been their fiftieth wedding anniversary.

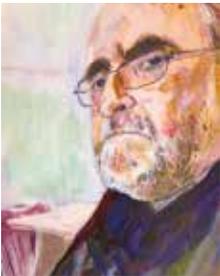
Upon joining Burmah Oil in 1978, after an MSc in industrial management at Loughborough, he was seconded to Castrol Australia for three years, then to Castrol Malaysia as chief executive, and then returned to Australia as chief executive. Upon returning to the UK in 1987 he was appointed to the main board of the Burmah Oil Company as chief executive of its chemicals division with 30 subsidiaries worldwide. In July 1990 he was appointed to run Burmah Castrol Europe, its largest division. After 20 years John retired from Burmah Castrol.

In retirement John helped many nonprofit organisations, schools and charities. He was a trustee of the Hawk Conservancy Trust near to Longparish in Hampshire, where he and Wendy lived for 28 very happy years, as well as chair of trustees at the village school when the school was rebuilt. He was also a trustee of Raleigh International and of ATRA, the Army Training and Recruiting Agency. Having moved to the Peak District of Derbyshire in 2015 to return Wendy to her roots and to be closer to their daughter, he gave advice to several local organisations and helped to establish many local swift groups.

John loved physical challenges and competed in the BT Global Challenge in 2000–01 as well as the Westminster-Devizes canoe race with his son, Mike. In 2006, he trekked from the Needles to Cape Wrath via Britain's mountains, camping wild most of the time.

John leaves his wife Wendy, two children and six grandchildren ranging in age from 4 to 18.

Ron Barrowclough



PETER FRANCIS VIGURS (1969) died on 18 February 2022. We have received the following obituary written by his friend, Professor Laurence Brockliss and a number of other Old Alleynians, Joe Hodgson (1969) and Ron Barrowclough, and Marilyn and Katy Vigurs:

Peter Vigurs, who was an undergraduate at Emmanuel from 1969 to 1972, had a successful and influential career as a museum curator and arts administrator in the Midlands. Peter's first job after leaving university was as keeper of fine art at Walsall Art Gallery, where in 1973 he was charged with working with Lady Epstein to arrange the permanent display of the Garman-Ryan collection, which she had recently donated to the gallery. Two years later he moved to Stoke-on-Trent to take up the position of keeper of fine art at the new city museum in Hanley. The gallery space was large, which enabled him, with Arts Council help, to host a number of significant exhibitions, including the first to be devoted to the complete set of Hockney prints. From Stoke, Peter moved again to become

the curator of Wolverhampton Art Gallery, where he built up from scratch a nationally important collection of British modernism, Surrealism and contemporary figurative art. While there, he also played an important part in establishing the Black Art movement in Britain by curating in 1981 the first exhibition in a public gallery of the works of Eddie Chambers, Keith Piper and other young and politically engaged artists of colour.

Whether recommending the purchase of art works or proposing an exhibition, Peter was always his own man. He backed his own judgement, even to the extent of courting controversy, and generally got what he wanted. In 1988 Peter made his final move when he returned to Stoke-on-Trent, first as director of the Potteries Museum & Art Gallery and then as Director of Leisure & Cultural Services. Now very much a pillar of the community, Peter used his position to promote and defend the value of the arts in the face of what could be quite strong opposition. But as an administrator with a wide brief, he no longer had the opportunity to propose and devise imaginative projects of the kind that had marked his earlier career. It was at Wolverhampton, he believed, that he had made his most significant contribution to the promotion of contemporary art. Peter worked with a number of leading British artists over the years. His favourite was the Australian-born, Cornwall-based sculptor, Barbara Tribe, and he helped her to catalogue her life's work shortly before she died.

Peter was born in Beckenham, Kent, to Marjorie and John, who was a lecturer in catering and taught hundreds of London chefs during his career. Peter was the middle child of three siblings. From primary school, he gained a scholarship to Dulwich College as a result of his performance in the Eleven-plus. His preference at the college was for the arts side: he had an admirable English prose style, demonstrated at its best in free composition. In September 1965, after O-levels, he joined History Remove. In the Remove and the sixth form, besides taking the standard three A-levels on offer (history, English and French), Peter also gave an early sign of the direction his life would later take by studying for art A-level out of school hours. Peter's particular contribution to the broader cultural life of Dulwich was in the field of music. He sang alto in the madrigal choir and was a central figure in the school orchestra. Initially a violinist, he was encouraged to change to the double bass to plug a gap, and thereafter that became his favoured instrument. But he was a talented musician, who could play a number of instruments to a high standard and had the gift of being able to pick up by ear any tune after one or two hearings.

After a short period working in Sotheby's book department, Peter went on from Dulwich to Emmanuel College in October 1969, where he read history in Part I. He had a limited interest in the discipline, however, and after two years changed to the history of art for Part II of the tripos. As at Dulwich, Peter's principal cultural activity outside his academic studies was music. As a double bass player, he was in great demand and he performed in many college orchestras besides his own, as well as the university's Symphony Orchestra and Musical Society. The latter's recording in King's College Chapel of Barber's *Adagio* with Peter on lead double bass was fittingly played at his funeral. Peter's commitment to

his instrument continued once he was settled in his future career, and he was a stalwart member of the North Staffordshire Symphony Orchestra.

Peter retired from his job as director of Stoke Leisure & Cultural Services when he was 50, but continued to serve the local community in different ways. For eight years he was a member of the Staffordshire Police Authority, and he played an important role in establishing and maintaining the Etruria Industrial Museum in a former factory that had made the paste for the Potteries' ceramic industry. Retirement also gave him much more time to devote to his two other great but unrelated interests: quizzing and the natural world. Peter was an enthusiastic rambler and birdwatcher, with a musician's ability to distinguish one bird's song from another. He was also a committed conservationist and towards the end of his life took part in an Extinction Rebellion demonstration in London.

Peter met his wife and steadfast supporter, Marilyn, a librarian, in the course of his first job at Walsall, and they had two children, Katy and Lindsey. Peter was a doting, non-judgemental father and grandfather, who presided over a loving and welcoming home. His family was the centre of his life and always came before his other interests. For Peter, retirement's greatest boon was that it allowed him to be actively involved in bringing up his grandchildren.

Both at school and university Peter had had a cluster of close friends. Two of his Emmanuel friends, Joe Hodgson and Ron Barrowclough, remained in touch with him throughout his life. Initially the three of them met sporadically in the Peak District for walks but, more importantly for Peter, for a protracted chat in a café or two. From the early 1990s there were holidays together at first in this country, then in France and Spain, and the walks became more frequent. For holidays Peter was the planner, booking transport and accommodation. Peter's weight limited the scope of walks but he always kept going, at his own pace. He would manage the steepest hills as long as he could recount an amusing anecdote or ponder a quiz question.

For Joe and Ron, Peter's humour was a constant delight. Whether it was walking in the Peak District, spending a holiday with him in Andalusia or enjoying a coffee and a cake with him in a café, one always came away thoroughly entertained. He was a top-class wit, his humour quick, light, fluent, imaginative. Their conversations with Peter were filled with quizzes and puzzles. On walks doing a quiz was the starting point for conversations on areas of interest to him: entertainment trivia, films, pop music and, importantly, sport and his team, Arsenal. Here he showed his amazing memory, with exact quotations from Shakespeare to the Kinks. He particularly liked devising intricate questions to tease others; he was a frequent contributor to Radio 4's *Round Britain Quiz*, who repaid him by often mispronouncing his name.

Joe and Ron's abiding memory of Peter is of a close friend who was at ease in any company, always genial and accommodating. Ron painted a portrait of Peter in later life that is published with this obituary.



JOHN NICHOLAS HORNER (1970) died on 11 May 2022. David Sprague (1971) writes:

John Horner died on 11 May and was cremated on 27 May, with a memorial service later the same day. There were two eulogies at the service, the first covering John's early years given by me and the second by Andrew Harper, once a colleague and subsequently a walking partner for the rest of John's life. The first part of this obituary is an expanded version of my eulogy, the second is Andrew's eulogy and the third is taken, with permission, from the Warwickshire County Council website, John having been a councillor for nine years.

John Nicholas Horner was born on 27 December 1951 at the Canadian Red Cross Memorial Hospital at Taplow to Raymond and Ruth (née Miller). He had an idyllic childhood in Stoke Poges, where he attended various local schools, including Ormiston School in Wraysbury where his mother taught. Often on Saturday mornings he and his sister Margaret would accompany their father to County Hall. His father was an engineer designing an extension to the London sewage works and was subsequently project manager of the Thames Barrier. This was when John's interest in engineering began. Summers were spent on his uncle's farm in North Yorkshire, where John became interested in farming and with which he was to become involved in later life.

At 13 he earned an academic scholarship to become a day boy at St Paul's School, London, travelling up by train every day. He became captain of school, played in the first rugby team, learned to row and was stroke of the first eight. I think John must have been somewhat strait-laced at school as one of his nicknames was 'The Policeman'. On one occasion the prefects would not toe the line so John confiscated their coffee-making equipment, which soon brought them to heel! From St Paul's John came up to Emmanuel in 1970 with a Shell engineering scholarship. John settled in well at Cambridge and became considerably less strait-laced, giving one of his crew mates 'advice' across a crowded Market Square with a coach's electronic megaphone!

I first met John 50 years ago when he was secretary of the Emmanuel Boat Club and invited me to come up to college early for a training camp. He was one of the first people I met at Cambridge, and this was the beginning of a lifelong friendship. John rowed in the Emmanuel first eight and one of the coaches described him as God's gift to the five seat. He rowed in the university trial eights but resigned from the squad because of injury. He was, however, fit by the summer and rowed in the May eight, where the crew went up three and performed well at Henley. In John's second year he was secretary of the boat club and represented the university in the winning Goldie crew. He returned from the University Boat Club to row in the college May eight, which again was successful, going up two places. This eight went on to win at Marlow regatta. This was followed by fireworks and the regatta funfair. One of the taller, fair-haired members of the crew, John Gosden,

was thought to be a Russian oarsman in his cerise blazer. After this the crew retired to their Henley accommodation, staying in a pub, The Bull, in Nettlebed. To the crew, the Marlow win and subsequent Henley campaign seemed like heaven on Earth.

John was captain of the boat club in his final year and, as I was secretary, we shared a set of rooms, F6, in Old Court. I have many happy memories of that year, starting with John sitting in an armchair at the beginning of each term directing his parents and sister, who had struggled up the rickety stairs, as to where things should be put, followed by tea and an enormous fruit cake. Plans for the warehouses surrounding St Katherine's Dock seemed to stay, apparently unexamined, on our dining table for most of the year. These were connected to John's final-year engineering project. Obviously this was successful as John satisfied the examiners sufficiently for him to study for a PhD in soil mechanics at King's College, London. During this year we had only one argument as I recall, quite remarkable for two fairly strong-minded individuals; in exasperation I hurled a carton of milk at him that missed, but burst showering milk everywhere. Elton John's *Yellow Brick Road* was a fairly constant soundtrack to our lives.

John, despite apparently putting no work into it, was an extremely effective boat club captain: the first eight went up four to fourth on the river and the second eight also went up four, and both crews were awarded their oars. At Henley the crew got through two rounds. In subsequent years John coached many Emmanuel crews, both men and women. He was one of the first to accept that women were now part of the club and to coach them. Many of the people he rowed with and coached who cannot be here today have shared their reminiscences. A common theme is 'Harder, longer, deeper', one of his coaching catch phrases that has apparently resonated through people's lives. Others have said: 'a gentle giant', 'a charming gentle and kind man', 'a great guy who was always cheerful', 'a wonderful supporter of EBC', 'a right fighter that you could always depend on', 'he will be missed, but legends live on'. At the University of London (UL) John rowed for the University Boat Club (ULBC) at Henley in the Britannia Challenge Cup, where the crew were knocked out by the eventual winners. The following year John became captain of ULBC and once again I joined him there. Initially he was in the second eight with others who were disappointed not to make the first eight. One of his crewmates reports that John was a tower of strength and held the crew together. After the Head of the River race it was realised that reselection was necessary. John, with others, was promoted to the first eight. That this was the correct decision was shown by the crew winning the Ladies' Challenge Plate at Henley with John, as predicted years before, rowing at five. This crew was widely thought to be one of the best UL crews to that date. Again, during John's captaincy he didn't seem to do that much but the club was incredibly successful, also winning the Prince Philip Challenge Cup at Henley. This pattern of John's succeeding without apparent effort was to be repeated throughout his life.

While rowing was important to John at UL, this paled into insignificance compared to meeting Lucy Glover. John, as captain of the boat club, was elected president of the

Sports Council. It was thought somewhat strange that John represented horse-riding on the Council; Lucy was a rider and they married in 1982!

After UL, John worked for Southern Water as a civil engineer. He was responsible for the river embankments downstream from London through Kent. He claimed that it wasn't until there was a massive embankment collapse that he understood the implications of his thesis. This was titled 'Centrifugal modelling of multilayer clay foundations subject to granular embankment loading'.

He moved to Anglian Water in 1983. While there he applied to do an MPPM (now referred to as an MBA) at Yale. Having been accepted by Yale, he was sponsored by Anglian Water to do the two-year course. He and Lucy took their eldest son to America for two years. At Yale students were typically allowed to do one teaching assistant post during the course, provided that one was top in the subject. Due to the fluctuating pound and having to provide for a young family, John managed to assist on six courses in the two years he was there. He returned to Anglian, but shortly after he returned to America to work for Marakon Associates, this time with two children. After 18 months of interesting but intense work, John stopped to reconsider the importance of family life. He strongly felt that nothing was more important than his children, and that work should be considered a means-to-an-end in providing for the family. The support he gave to them throughout their life, offering advice, regardless of whether they asked for it and supporting them in any way he believed fit, were central to his thoughts and actions.

Andrew Harper writes:

I feel deeply honoured to have been asked to speak about my dear friend John. Thank you, Lucy and family, for giving me this privilege.

John and I knew each other for more than half of our respective adult lives, beginning in the 1980s, including when we were both working at BP's London office, then enjoying a stronger relationship when we were expats together at BP's European headquarters in Brussels, from spring 1990. I remember a special camaraderie in the first few months, living in small hotels while trying to settle into our new jobs *and* meanwhile sorting out permanent accommodation so that our families could join us. After that, we spent a lot of family time together both in Brussels and then back in the UK.

John progressed from BP to National Power, coming here to Warwickshire, first Henley, then Stratford, before finally settling at Austons Down, the family home for the last 18 years, where Lucy and he ran a thriving, up-market, bed-and-breakfast business. He undertook a lot of consultancy work, particularly in energy, but at the same time seized the chance to indulge his love of the countryside and things rural and to develop a closer knowledge of farming. John began a new career in local government, first as a member of Stratford district council, then from 2013 of Warwickshire county council, where he represented Arden division. As a councillor, I believe John was driven by a desire to do the right things for the right reasons and certainly to serve his constituents to the best of his ability, albeit

sometimes I think his family wished he might focus a bit more on tasks closer to home! He was scheduled to begin a year as chairman of the county council, which he would doubtless have performed with distinction.

John and I became much closer in the last ten or so years, principally because we did a number of walking holidays, just the two of us. We walked the coast-to-coast trail, from St Bees in Cumbria to Robin Hood's Bay in North Yorkshire, and sections of the Pennine Way. Those days together gave us plenty of time to chat, to discuss mutual interests, to be 'grumpy old men', to put the world to rights, and especially really to open up to each other, which I'm convinced did us both good: I know I have benefited from it.

One of John's traits was that he was always optimistic about timings. I experienced this a number of times and I'm told it took even his family many years to learn his language: a five-minute task meant two hours; a couple of days meant a couple of weeks! But he was a great one for doing everything himself, and actually was annoyingly good at most things.

I learned something about timing from John, about the benefit of taking things more slowly sometimes. I can remember occasions on our walks when, after breakfast I would be eager to set off towards our next destination, while John would be relaxed and happily chatting with our hosts, about the B&B trade and how to make a success of it, particularly if we were staying on a farm, and most especially if there were sheep!

John wasn't an easy man. For sure, he didn't always suffer fools gladly; sometimes, what he really thought of people, issues or situations became rather too apparent! Often, with a slightly impish look on his face betraying his sharp sense of humour, he enjoyed being deliberately provocative. He was sometimes elusive; he could be detached and aloof and this was off-putting for some people. I experienced it, but the quality time that we spent alone together made all the difference. Let's not forget: John was a clever-clogs, one of the brightest men I've ever known. We've heard about his academic record. I was certainly in awe. One couldn't fail to be impressed by his intellect, as well as by his breadth of knowledge and his ability to speak with confidence about so many topics.

John was a strategic thinker, not a tactician. He could so often see the big picture, be quick to discern the heart of a problem, and to devise what he thought was the best, rational solution. He was not so good at manoeuvring or compromising to achieve an outcome, and his frustrations would sometimes get the better of him. He was also impatient about inefficiency and waste, especially where public money was involved. He was most definitely not PC and I've no doubt that he caused headaches among his colleagues on numerous occasions!

The last walk John and I took together was for just a couple of hours in Hampshire, barely four months ago. We started thinking about the Monarch's Way, walking the route that King Charles II took as he fled after defeat at the battle of Worcester in 1651. In time, John would have produced an Excel spreadsheet, proposing daily mileages, approximate times and potential B&Bs. He was very good at that.

Tragically, it's not going to happen. But I will do that walk at some point, in John's memory, and if any of his family would like to join me, for all or part of it, they'd be welcome.

John was at heart a kind and thoughtful man. He was sensitive, trustworthy and always a source of wisdom and good advice. His commitment to whatever he was doing was never less than full. So, it's no surprise that latterly he felt tortured by his growing disability.

John's love for his family was at the centre of his being. He was totally committed to them, supportive, viewing his role as that of chief breadwinner, but willing to take a back seat when it felt right. He'd do anything he could for them. God bless you, John, may you rest in peace and rise in glory.

The Warwickshire county council website announced:

Warwickshire county council members, officers and leaders from across the political spectrum, have united to express their profound sadness and sympathies at the news of the death of Councillor John Horner, Conservative ward member for Arden Division. Sadly, Councillor Horner died on Tuesday 10 May 2022 aged 70 after a very short illness. He has been a long-standing and well-respected servant to Warwickshire and its residents, being first elected to the county council in 2013 and also serving as a member of Stratford on Avon district council.

He was the chair of the county council's pension fund investment sub-committee, and an active member of the staff and pensions committee and the audit and standards committees, as well as holding the role of vice-chair of the council in the past municipal year.

Councillor Horner has lived in Claverdon for 18 years and will be remembered fondly as a passionate advocate for his local area. One of his many achievements during his time in office was the creation of the quarterly Arden parish clerks and chairs meeting. This group plays a key role in supporting and championing the interests of the local community. He was also instrumental in agreeing a range of community grants to a wide variety of charities, community groups and worthy causes in the Arden division.

Horner is survived by his wife Lucy, four children, Christopher, James, Emma and Simon, and his four grandchildren, Joshua, Phoebe, Imogen and Isla, with two more on the way.

Councillor Izzi Seccombe, leader of Warwickshire county council, said: 'I am deeply saddened by the sudden death of John, who has been a dedicated local councillor and a highly valued member of Warwickshire county council. During his time on the council, John has been a member of cabinet and chair of scrutiny, and his intellect and ability saw him serve for several years on the Warwickshire staff and pensions committee. I will personally miss him for his intellect and humour, which made him such an important member of the Conservative group.'

Warwickshire county council chief executive, Monica Fogarty, said: 'I had the privilege to work with John throughout his time on Warwickshire county council. He was a fantastic champion for his local community and a great ambassador for local government as a whole. John's intelligence, warmth and passion were a huge asset to this council, and he will be sorely missed by all who knew him.'



JOHN MICHAEL HENNEBERRY (1971) died on 28 July 2021. The following article appeared on the University of Sheffield, Department of Urban Studies and Planning website:

We are saddened to report the death of our colleague Professor John Henneberry.

John grew up in the Lake District and went to school there. From there he went up to Cambridge, initially to read economics but, fortunately for those of us who have worked with him, he transferred to land economy for the second part of the tripos, graduating in 1974. He then came to Sheffield to take a two-year MA in town and regional planning and was sponsored by Manchester local authorities. He then worked in Manchester on the community land scheme and also did some part-time teaching at the Manchester Building College. This interest in teaching was one of the reasons why John returned to Sheffield, where he took up a lectureship at Sheffield Polytechnic (now of course Sheffield Hallam University).

There John blended his teaching with research and, importantly, his connections with government and the development industry, enabling him to see the key relationships between theory and informed and grounded practice. He qualified both as a chartered planner and as a chartered surveyor, a rare but really important combination. He also did important research with findings that had critical lessons for public policy. To recall just two pieces of work: first, a study of the relationship between transport investment and property values and, second, the lessons to be learned from the practice of impact fees policy in the USA for capturing land value and for mitigating the external costs of development on infrastructure needs, an interest initially sparked by his work on the community land scheme in Manchester.

Over time, John's exploration of the theoretical underpinnings of our discipline and profession grew. He was keen to explore critically and analytically how economic instruments could be used to achieve planning outcomes, not the least to produce more inclusive as well as more efficient cities and regions. He was also keen to examine how professional and organisational cultures, as well as economics, shaped development outcomes and reinforced regional inequalities. We at the University of Sheffield were thus delighted when he accepted our offer to join us, enabling him to spend more time reflecting on these critical issues and growing in both the breadth as well as the depth of his knowledge skills and understanding.

Those of us who had the good fortune and privilege of working with him benefited enormously by the way he used this growing disciplinary breadth and depth to explore a wide range of challenging theoretical and policy issues. His eclecticism produced real insights into the operation of land and property markets, enabling us all, policy makers included, to see things more clearly and differently. He broke disciplinary and professional boundaries and was strongly committed to engaging with research users.

The range of issues he tackled is formidable. A few examples include: continued work on land value capture, the equity implications of permitted development, new work on development and risk and on green investment and biodiversity, new work on developer behaviour and cultures, and most recently on the contemporary phenomenon of temporary land uses. This eclecticism is reflected in the wide range of those who funded his work including both the Economic & Social Research Council and the Engineering & Physical Sciences Research Council as well as many government departments. It is also reflected in the wide range of disciplines he embraced, working alongside botanists, hydrologists and psychologists as well as economists, political scientists, geographers, planners and landscape architects, impressing all colleagues with his keenness to work with them and to grasp debates in other disciplines. He was especially good at motivating colleagues and bringing them together to work on socially relevant research, a talent reflected in his appointment as visiting professor of political economy at the University of Keele.

As a result, John has a formidable list of star publications in the top refereed journals, key books and contributions to books, and major research reports for government departments. Alongside his own output, John sat on many editorial boards of journals, including as a lead editor; he was also editor of the major Royal Institution of Chartered Surveyors research series.

His research was rightly reflected in promotions to a readership in 1997 and a personal chair in 1998. It was also reflected in his election following rigorous peer review to major and prestigious national fellowships including those of the Royal Town Planning Institute and of the National Academy of Social Science. Alongside these accolades came prizes for outstanding papers and books.

But John was more than an extraordinarily outstanding scholar. He was also a very good citizen of the University of Sheffield, serving as head of department and dean, importantly when the Faculty of Architectural Studies merged with Social Science, all roles demanding energy, devotion, leadership, strategic thinking and diplomacy, attributes which John had in bucket loads. But, above all, John brought a very collegial approach, placing collective values and aspirations at the heart of his leadership roles.

And John was also a good citizen in his wider academic and professional spheres, sitting on the ESRC's grants board and chairing the Royal Institute of Chartered Surveyors' research committee.

So in mourning John's passing we have lost a gifted scholar, teacher and university leader; but above all, in remembering John's many achievements and gifts, we remember the way he so willingly helped all of us. More than anything else we will remember that John was self-effacing, modest, generous to all and someone who put service to others above himself. All of us, without exception, remember his many personal kindnesses to us, the way he would always be unfailingly patient with us and interested in what we did, always ready to give us advice which was, yes, challenging, but also constructive, balanced, and positive and right. He went out of his way to support us, whether the matter was

professional or personal. His whole selfless approach was an inspiration to all, including younger colleagues starting out on professional and academic careers. It was also why John was a great teacher and much admired by all his students.

All of us who knew John have been enriched by his presence in our lives. We know he will live on among us all in his legacy of thought and deed. Our world is a better place because John made it so. We have lost a good friend, someone who was a decent wise and honourable man. We are all the better for having known him.

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JEFFREY ROGER BIRD (1976) died on 5 August 2021 as reported in last year's *Magazine*. We have received the following obituary from his friend, Duncan Wilkes (1976):

My great friend Jeffrey Bird died, far too early, in August 2021. A much-loved husband, father, brother, son and friend, he leaves a huge hole in many lives but also an enormous legacy of practical achievements and indelible warm, indeed joyous, memories.

Jeff was born in Cowbridge in South Wales in 1958. He attended Cowbridge Grammar School, where he balanced academic work with playing sport at every opportunity, and it seems only studying after it got too dark to play outside or his sister Heather finally tired of bowling endless overs to him in the garden. He did, however, study enough to get a place at Emmanuel to read geography in 1976, which is where I met him in my first week at college.

I immediately encountered several of Jeff's characteristics: his friendliness, his persuasiveness and his Welshness. Within a couple of weeks, I found myself, despite an entirely Yorkshire ancestry, a member of the university Welsh society, playing centre for their rugby team and then on their 'tour' to London at the end of my first term. Four days, only one game, lots of drinking and singing, including in Welsh on rush-hour tubes.

He was one of the calmer, more mature, 18-year olds I have met. He was, I think, at ease with himself and able to be unworried by what other people thought of him without ever being in your face about it, in a way that is rare at any age and certainly when that young. As a result, he could pretty much get on with anyone, and spot and pour oil on any potential points of friction: particularly useful when captaining a cricket team or refereeing a rugby match in South Wales, but also in most other things. He was also intensely warm, loyal and loving to his family and friends: there was never any doubt that you could rely on Jeff in all circumstances, not least to cheer you up.

At the same time, he was able to make sure he got the right result. He had a drive to get things done and the tenacity to persist against obstacles, all carefully managed behind an easy manner and the ability to remain politely persistent, as evidenced many years later when he persuaded my wife to invest in a racehorse (while I wasn't listening). This ability

benefited everyone and everything with which he got involved and everyone to whom he committed. Even the racehorse was the source of a lot of fun, if not winnings!

All this was combined with huge good humour. Most of our time together was just great fun, whether it was playing cricket, watching rugby or just talking. Successfully driving a future first-class fast bowler to distraction, and out of the bowling attack, with his unique 'pixie' dance at the crease on our college cricket tour, repeated by popular demand in the Lanes in Brighton several hours and several pints later, was the tip of an iceberg of laughter.

He arrived at Cambridge absolutely determined to try anything and everything except perhaps working too hard. He and his compatriot Richard Thomas took on the task of finding and trying every single pub in Cambridge. He threw himself into college politics and of course became bar manager within a few weeks of arriving

We first met through rugby. As a Welsh fly-half in the mid-1970s Jeff naturally went straight into the first team at Emma, sight unseen with high expectations. We won our first few games, all in the final few minutes, all by close margins and all without the benefit of Jeff kicking a single conversion. He was hugely enthusiastic but it was not his best sport; so by the end of the season he had moved through to the seconds and then to refereeing, where he excelled and continued to do so after leaving college and joining the refereeing circuit in Wales.

Cricket was Jeff's chief sporting passion. He was an elegant left-handed opening batsman and a slightly – no, actually very – eccentric leg-spin bowler: as his long-term wicket keeper said at his funeral, he was either unplayable or unreachable. At Emma he played every game he could for the college and the Crusaders, then enjoyed our epic, post-exam college tours to Sussex. Once college ended we all went off to try to be grown-ups but Jeff wasn't done with Cambridge college cricket or with keeping his friends together on the pitch and so the Racing Club tour to Cambridge was born, and continues 43 years after we left college. Jeff was the driving force and, as with so many other things, he made it happen: he got the fixtures against the colleges, he got the players, he booked the guest house and of course without any debate or hesitation he was our captain. It may have been quite foolhardy in retrospect to set up a long-running sporting contest where the opposition players remain permanently around 20 years old but our players, largely unchanged, move through the years to 60 and beyond. Jeff did find some younger players to help after the first 20 years or so. We keep coming back and, through cunning and experience, we still win more than we lose, even though we can't catch, throw or run. Really an excuse to relive our youth, meet old friends and revisit some old pubs once a year, it is a gift that Jeff has given us all: it truly will not be the same without him, but we'll be back again this summer to remember him.

Jeff returned to Cowbridge to play a high standard of club cricket, to captain the first team and to continue as long as he was able to play. After that he became chairman and then president. As a result of course the club has new gates, new sightscreens, a new scoreboard, a revitalised junior section and has moved through the Welsh leagues to be

a top-tier team. He lived and breathed the game, and his real legacy is what he achieved once his playing days were over. He was always a natural captain on the field, but also off the field: a true leader, a man willing to give his time, expertise, opinion and physical effort, even when his health wasn't the greatest, and never to ask for anything in return. He was a committee member at Glamorgan County Cricket Club for 38 years, a board member at Cricket Wales, a member of the MCC and a key driving force behind the MCCU cricket programme at Cardiff University that continues to produce players for the first-class game.

Alongside cricket he also became involved with horses and racing. In conjunction with his brother-in-law, and with typical brio, he began to own and run horses in point-to-points and under 'rules'. His horses won proper races and to his great pleasure, after several attempts, his horse won the Dunraven Bowl, the acme for point-to-point in Wales. I know it's true: Jeff played me the recording of the race several times over the last few years.

It may sound as though Jeff did nothing but sports-related fun and games, but that was far from everything. He did get his geography degree despite all the sport. His energy, spirit and willingness to try things was immense. He was a very successful businessman over the years, progressing from the lad in the Hofmeister bear suit as a graduate trainee at Courage, to an MBA at Edinburgh and then home to work in the family business, R S Bird Ltd, with his sister Heather. He ran the business incredibly effectively, always looking for new ventures, partners and avenues to explore. The decision to redevelop his family's garden centre in the middle of Cowbridge into a large retail centre and to run the highly complex project from start to finish took real vision, courage and skill. Most would have just sold the site to a developer; not Jeff. He had never done this before, but had no doubt that he could do a better job than anyone else and retain control and ownership. He was right: he could and did, a formidable achievement.

Much of what he achieved happened after he was diagnosed with Parkinson's and subsequently with myeloma. He did not let either defeat him, slow him down or lead to even a scintilla of self-pity. He could still work and, if he couldn't play, he could watch, organise and encourage, and throughout he preserved his huge sense of fun. His regular emails to his friends with reports of either the performance of his horses or a match report of Cowbridge CC's most recent game were eloquent, even poetic, gems of cheerful nonsense. He also got his first tattoo at the age of 62, one of the more surprising WhatsApp pictures I have received.

But cricket, business, racing all paled into insignificance for Jeff in comparison to family. He married Andrea in 1987 and they were as rock solid and happy a couple as you could ever meet. Jeff was obviously smitten and devoted throughout their years together. Andrea gave tireless, unthinking support and love during the years of his illness. In recent years and especially in the last few months, they were both amazingly positive and optimistic, a testimony to the strength they gave each other.

Jeff also leaves a son and a daughter, Cadi and Elis: he was hugely, and rightly, proud of both. He was always able to recount an exploit or achievement they had attained whenever

you met him. They will miss him the most but he leaves us all who knew him sadder for not having at least another 20 years of fun but grateful for the memories he leaves us. And, finally, that unexpected tattoo: 'Do not go gentle into that good night'. The classic Dylan Thomas quotation. He didn't.

SOPHIE ANNA ROSALIND RADFORD (née MIDDLEMISS, 2002) died on 9 June 2021, as reported in last year's *Magazine*. The following tribute is based on the eulogy given by her father Nigel at her funeral:

Sophie was immensely deep and sensitive as a person. She was artistic, generous, and very, very loving of her children and family. She had one of the best minds of her generation. She won a coveted starred First in history from Emmanuel, a top Master's in international policy relations from the London School of Economics, and a string of other brilliant accolades at school and university.

She truly loved challenges to her intellect: she took a sheer delight in the hurdles posed by her global policy advisory work and during her years at the Foreign & Commonwealth Office. Of one such she enthused: 'I've got some super-interesting international stuff lined up...'. Of another: 'These people do post-conflict and counter-disinformation comms and policy development' (and in big capitals): 'SO INTERESTING'.

She had many other luminous sides. She had a great love for nature's beauty: sunsets over the new garden in Newton near Cambridge; planning a walkway with roses and wisteria; cherishing the red roses transplanted from her London childhood garden; admiring the new trees her husband, Andrew, was planting the January before she died: oak, hazelnut, cherry. Around her she loved artistry and colour; in childhood her colour sense produced paintings full of great rainbows. Her and Andrew's house was, is still, full of images of birds and living creatures, there for the girls. Her two older daughters, Eve and Martha, were invariably prettily and colourfully dressed, in bright, imaginative summer and winter outfits.

She had a mind open to the world. Sophie was no Little Englander; she loved Europe, wrote travel books about Belgrade and Moscow, and worked in Georgia, Russia and Kosovo. She had the intuitive skills and love of communication that made her a fine linguist: French, Russian, some German, and some Italian that she was learning the February before she passed away. Her love of foreign languages and places came through in all kinds of little ways: for instance, with National Childbirth Trust friends and families, where she devised week-by-week celebrations of the singing, costumes and foods of various nations.

She was also a truly very talented actor and director, whose life could have gone in that direction. At Godolphin & Latymer School, her secondary school in Hammersmith, she co-starred in a play about her beloved Jane Austen, later staged at the Edinburgh Festival. While at Cambridge she directed sparkling performances in the Arts Theatre of *The Master and Margarita* by Mikhail Bulgakov. And she had a deep and enduring love of William Shakespeare. By a strange irony, the day of her funeral was the funeral date in 1649 of

Shakespeare's daughter, 16 July. Sophie was so happy to give her girls a taste of theatre, with the puppet theatre in Evie's bedroom, and lots of fun improvisations and shows at home.

She was good at some physical and practical things too: her pet name among younger schoolfriends was 'Supersophes', and her Girl Guide Brownie tunic ended up crammed with 23 sewn-on Brownie badges. She was a tremendous swimmer, swimming 100 lengths of Chiswick Pool aged ten in a competitive challenge.

She was a very sensitive person: she felt loss very keenly. For example, after a disappointing political vote or the loss of a childhood pet (like a hen to a fox one time), she was as if poleaxed for some days. If something went badly, she seemed to feel it redounded on her.

Brought up, christened, confirmed and married in the Christian faith, she with Andrew took the girls to church and had Evie and Martha baptised. Recently when the vicar's sermon referenced words Evie had put into a picture of thought bubbles of Jesus in the desert, Sophie said with modest pride: 'It was rather brilliant'.

The great loneliness of the pandemic weighed upon her. But she counted her blessings, with friends in National Childbirth Trust groups, and staying in touch with old friends from Russia, school and other points in her life. She said of a family country wedding in May this year: 'It was glorious to be in society again, in the most bucolic of places'.

Urged to stay brave and strong through the pandemic, as she always was when a little girl, she replied: 'I am still brave and strong'. Like many mothers of young children, she looked for ways to stay in touch with her deeper intellectual and emotional sides, in her last months reading Tolstoy's *War and Peace* in, she said, 'an excellent translation, and feeling pleased with myself about it', watching TV's *Sacred Wonders*, taking the girls to see *The Nutcracker* and more.

In her extensive political engagement, she was openhearted, full of the values of freedom, working for two leaders of the Liberal Democrat Party and for several little-L liberal causes. She was compassionate: she said it was always important to meet up with two older family members, given how her mother Prisca had 'always kept an eye out for them and their relative isolation and vulnerability'.

Sophie wanted her feel for history to be infused into the children: the history of her parents' and grandparents' childhood, and photos and film, to be shown to the girls, of her and brother Ben when small.

She was a great planner: she had even planned for events on or after the day she passed away: cards and presents for the ninth wedding anniversary, Father's Day, Martha's birthday, Andrew's fortieth. Several extra suggestions were made for Andrew's presents, of which she said: 'I might store up the details of those ... for a big post-Covid party as a delayed fortieth, or his forty-fifth, or his fiftieth, or the tenth wedding anniversary, who knows?'

Her girls were so very, very dear to her: only a week before she died, she said, 'today we had a brilliant walk to the fairy wood in the village and back – Baby Iris slept eventually, and

it was lovely to do something with Evie and Martha'. She took delight in their musicality, taught them piano, enthused over Evie, as she said, 'doing great piano tunes'. Happiness was what she called 'sunshine time with the girls'. At the end she wrote: 'It's been a wonderful life'.

From Shakespeare's *Antony and Cleopatra* come the lines of an epitaph that fits her perfectly: 'So, fare thee well; now boast thee, Death, in thy possession lies a lass unparallel'd'.





Lists

The Fellowship

THE HONORARY FELLOWS

- 1979 **Professor Derek Curtis Bok**, BA (Stanford), LLD (Harvard). Formerly President, Harvard University
- 1985 **Michael Frayn**, BA, Hon LittD
- 1991 **Neil Leon Rudenstine**, BA (Princeton), MA (Oxon), PhD (Harvard). Formerly President, Harvard University
- 1999 **Peter Michael Beckwith**, OBE, MA, Hon LLD
- 2000 **Professor Sir John Michael Taylor**, OBE, MA, PhD, FRS, FEng. Chairman, the Web Science Trust; formerly Director-General of Research Councils and Director of Hewlett Packard Laboratories Europe
- 2001 **The Honourable William Lloyd Hoyt**, OC, QC, MA. Formerly Chief Justice of New Brunswick
- 2002 **Professor Lawrence H Summers**, BSc (MIT), PhD (Harvard). Formerly President, Harvard University
- 2003 **John Edward Meggitt**, MA, PhD
Professor Sir Roderick Castle Floud, MA, DPhil (Oxon), Hon DLitt (City, Westminster), FBA, FAcSS, FCGI, Member of the Academia Europaea. Formerly Provost, Gresham College
- 2004 **Professor Geoffrey Joel Crossick**, MA, PhD, FRHistS. Formerly Warden, Goldsmiths, University of London
Professor John Boscawen Burland, CBE, PhD, MSc & DSc (Witwatersrand), Hon DSc (Nottingham, Warwick, Hertford), Hon DEng (Heriot-Watt, Glasgow), FRS, FEng, NAE, FICE, FStructE, FCGI. Emeritus Professor of Soil Mechanics and Senior Research Investigator, Imperial College London
- 2007 **The Most Revd Dr Peter Frederick Carnley**, AC, PhD, BA (Melbourne), DD (Lambeth), Hon DLitt (Newcastle, Queensland, Western Australia), Hon DD (Gen Theol Sem, New York; Univ of Divinity, Melbourne). Archbishop of Perth and Metropolitan of Western Australia (1981–2005) and Primate of Australia (2000–05)
Griffith Rhys Jones, OBE, MA, FRWCMD, FRSA, Hon DLitt (APU, Cardiff, Essex, Glamorgan, UEA), Honorary Fellow (Bangor). President, Victorian Society; President, Civic Voice

- Professor Francis Patrick Kelly**, CBE, PhD, BSc (Durham), Hon DSc (Imperial College London), FRS. Professor of the Mathematics of Systems; formerly Master, Christ's College
- Professor Jane Carol Ginsburg**, MA (Chicago), JD (Harvard), Doctor of Laws (Paris II), FBA. Morton Janklow Professor of Literary & Artistic Property Law, Columbia Law School; Director, Kernochan Center for Law, Media & the Arts
- 2008 **Professor David John Drewry**, PhD, BSc (Lond), Hon DSc (Anglia Ruskin, Hull, Lincoln, Robert Gordon), FRGS, CCMI. Non-Executive Director (Natural Sciences), UK Commission for UNESCO
- Sebastian Charles Faulks**, CBE, MA, Hon DLitt (Tavistock Clinic/UEL, St Andrews, University of Hertfordshire), FRSL
- Professor Drew Gilpin Faust**, BA (Bryn Mawr), MA (UPenn), PhD (UPenn). Formerly President, Harvard University; President Emerita and Arthur Kingsley Porter University Professor, Harvard University
- David Travers Lowen**, MA. Honorary Secretary, Royal Television Society; Chair, Board of Governors, Leeds Beckett University; Deputy Chair, Committee of University Chairs (CUC); Chair, UCAS Council; Chair, the Emmanuel Society 1996–2013
- Professor Sir Eldryd Hugh Owen Parry**, KCMG, OBE, MA, MD, FRCP, FWACP, Hon FRCS, Hon DSc (Kumasi). Founder, Tropical Health Education Trust
- 2011 **Thomas Gerald Reames Davies**, CBE, MA, BSc Hon DLitt (Loughborough), Hon LLD (Swansea), Hon DUniv (Glamorgan), DL. President, Welsh Rugby Union
- Professor John Hopkins Lowden**, MA, PhD (London). Professor of History of Art, Courtauld Institute
- Professor Sir Peter Charles Rubin**, MA, MB, BChir (Oxon), DM (Oxon). Emeritus Professor of Therapeutics, University of Nottingham; Chairman, General Medical Council 2009–14
- 2012 **Andrew William Mildmay Fane**, OBE, MA, FCA. President, the Emmanuel Society
- 2014 **Professor Curtis Tracy McMullen**, BA (Williams), PhD (Harvard), Hon DSc (Williams). Cabot Professor of Mathematics, Harvard University
- Moirra Paul Wallace**, OBE, MA, AM (Harvard). Provost, Oriel College Oxford 2013–18
- 2016 **Professor Christopher Roy Husbands**, MA, PhD, PGCE (London). Vice-Chancellor, Sheffield Hallam University
- Professor Peter Robert Horsman Slee**, PhD, BA (Reading), FRHistS, PFHEA. Vice-Chancellor, Leeds Beckett University
- 2017 **Professor Yuk Ming Dennis Lo**, MA, DM, DPhil (Oxon), FRS. Li Ka Shing Professor of Medicine and Professor of Chemical Pathology, Chinese University of Hong Kong; Director of the Li Ka Shing Institute of Health Sciences
- Indrajit Coomaraswamy**, MA, DPhil (Sussex). Former Governor, Central Bank of Sri Lanka

- 2018 **Edith Heard**, BA, PhD (London), FRS. Professor of Epigenetics & Cellular Memory, Collège de France; Director-General, European Molecular Biology Laboratory
Andrew John Petter, CM, OBC, QC, LL.M, LL.B (Victoria), LL.D (Simon Fraser). President Emeritus, Simon Fraser University
- 2019 **Lawrence Seldon Bacow**, SB (MIT), PhD (Harvard), JD (Harvard). President, Harvard University and Professor of Public Policy
- 2021 **Dame Christina Caroline Lambert**, MA, QC. Justice of the High Court
Professor Conor Anthony Gearty, MA, PhD, Hon QC, FBA. Professor of Human Rights, LSE; Barrister, Matrix Chambers
Professor Susan Rigby, PhD, MA (Oxon). Vice-Chancellor, Bath Spa University

THE MASTER AND FELLOWS

We publish below for reference a list of the Master and Fellows as at 3 October 2022, indicating their college and university offices and the class of Fellowship currently held by each. The names are arranged in order of seniority. The date against a name is that of election to the Mastership or of first election to a Fellowship (of whatever class). Additional dates indicate that the person concerned ceased to be a Fellow for a time and has been re-elected.

- 2021 **Douglas McKenzie Chalmers**, CB, DSO, OBE, MA, MPhil. Master
- 1981 **Susan Kathleen Rankin**, MA, PhD, MMus (London), FBA. Life Fellow. Vice-Master; College Lecturer in Music; Professor of Medieval Music
- 2002 **Lord Wilson of Dinton**, GCB, MA, LL.M. Life Fellow. Formerly Master 2002–12
- 2012 **Dame Fiona Reynolds**, DBE, MA, MPhil. Life Fellow. Formerly Master 2012–21
- 1960 **Brian Arthur Thrush**, MA, ScD, FRS, Member of the Academia Europaea. Life Fellow. Emeritus Professor of Physical Chemistry
- 1964 **Anthony John Stone**, MA, PhD. Life Fellow. Emeritus Professor of Theoretical Chemistry
- 1966 **The Revd Don Cupitt**, MA, Hon DLitt (Brist). Life Fellow. Formerly Dean and University Lecturer in Divinity
- 1968 **John Francis Adams Sleath**, MA, PhD. Life Fellow. Emeritus Reader in Coastal Engineering

- 1970 **Alan Reginald Harold Baker**, MA, PhD (London), DLitt (London), FBA, Chevalier dans l'Ordre des Palmes Académiques, Honorary Member of the Société Géographique de Paris. Life Fellow. Formerly University Lecturer in Geography
- 1967 **John Robert Harvey**, MA, LittD. Life Fellow. Emeritus Reader in Literature & Visual Culture
- 1968 **Stephen Roger Watson**, MA, MMath, PhD. Life Fellow. Formerly founding Director of Judge Business School and KPMG Professor of Management Studies
- 1973 **Bryan Ronald Webber**, MA (Oxon & Cantab), PhD (Calif), Hon PhD (Lund), FRS. Life Fellow. Emeritus Professor of Theoretical Physics
- Peter O'Donald**, MA, ScD. Life Fellow. Formerly University Lecturer in Genetics
- 1974 **David Anthony Livesey**, MA, PhD, BSc(Eng) (London), ACGI, DUniv (Derby). Life Fellow. Formerly Secretary General of the Faculties
- Richard James Barnes**, MA, PhD, MB, BChir. Life Fellow. Director of Studies in Medicine
- James Edward Pringle**, MA, MMath, PhD. Life Fellow. Emeritus Professor of Theoretical Astronomy
- 1978 **Barry Alexander Windeatt**, MA, LittD. Life Fellow. Keeper of Special Collections in the College Library; Emeritus Professor of English
- 1979 **Ulick Peter Burke**, MA (Oxon, Cantab), Hon PhD (Brussels, Bucharest, Copenhagen, Lund & Zurich), FBA, FRHistS, Member of the Academia Europaea. Life Fellow. Emeritus Professor of Cultural History
- 1982 **Finian James Leeper**, MA, PhD. Life Fellow. College Lecturer in Chemistry; Professor (Reader) in Biological Chemistry
- 1984 **Steven Rowland Boldy**, MA, PhD. Life Fellow. Emeritus Professor of Latin American Literature
- 1984 **Keith Sheldon Richards**, MA, PhD. Life Fellow. Emeritus Professor of Geography
- 1985 **Stephen John Young**, CBE MA, PhD, FRS, FEng. Life Fellow. Emeritus Professor of Information Engineering
- 1988 **Christopher John Burgoyne**, MA, PhD (London), MICE, FIStructE. Life Fellow. Emeritus Professor of Structural Engineering
- 1986 **Nigel Jonathan Spivey**, MA, PhD. Official Fellow. Tutor; College Lecturer in Classics and Director of Studies; University Associate Professor of Classics
- 1989 **John William Grant**, MA, MD (Aberdeen), ChB (Aberdeen), FRCPath. Life Fellow. College Lecturer in Medicine; Consultant Histopathologist at Addenbrooke's Hospital
- 1990 **Michael John Gross**, MA, PhD. Official Fellow. Bursar; College Lecturer in Economics
- Nigel Peake**, MA, MMath, PhD. Professorial Fellow. College Lecturer in Applied Mathematics; Professor of Applied Mathematics

- 1993 **Robert Michael Henderson**, MA, BSc (London), PhD (London). Official Fellow. Senior Tutor; College Lecturer in Medicine; Professor (Reader) in Macromolecular Pharmacology
- 1984 **Stephen Phelps Oakley**, MA, PhD, FBA, Member of the Academia Europaea.
2007 Professorial Fellow. Kennedy Professor of Latin
- 1988 **Alison Sarah Bendall**, PhD, MA (Oxon, Sheffield), FSA, MCLIP. Official Fellow.
2000 Development Director; Fellow Librarian; Fellow Archivist; Curator of the Douglas Finlay Museum of College Life
- 1994 **The Revd Jeremy Lloyd Caddick**, MA (Cantab, Oxon, London). Official Fellow. Dean; Graduate Tutor; Praelector
- 1995 **Mark John Francis Gales**, MA, PhD. Official Fellow. Fellows' Steward; College
1999 Lecturer in Engineering; Professor of Information Engineering
- 1995 **Catherine Jane Crozier Pickstock**, MA, PhD. Official Fellow. College Lecturer in Theology and Director of Studies; Professor of Metaphysics & Poetics
- 1997 **Elisabeth Maria Cornelia van Houts**, MA, LittD, PhD (Groningen), FRHistS. Life Fellow. Honorary Professor of Medieval European History
- Jonathan Simon Aldred**, MA, PhD. Official Fellow. College Lecturer in Economics and Director of Studies
- 1998 **Florin Udrea**, PhD, MSc (Warwick), FEng. Professorial Fellow. College Lecturer in Engineering; Professor of Semiconductor Engineering
- 2000 **Julian Michael Hibberd**, MA, BSc (Bangor), PhD (Bangor). Official Fellow. College Lecturer in Plant Sciences; Professor of Photosynthesis
- Philip Mark Rust Howell**, MA, PhD. Official Fellow. College Lecturer in Geography; Professor (Reader) in Historical Geography
- Mark Andrew Thomson**, BA (Oxon), DPhil (Oxon). Professorial Fellow. College Lecturer in Physics; Professor of Experimental Particle Physics
- 2002 **Nicholas James White**, MA, PhD. Official Fellow. College Lecturer in French; Professor of Nineteenth-Century French Literature & Culture
- Corinna Russell**, MA, PhD. Official Fellow. Deputy Senior Tutor; Tutor for Admissions (Arts); College Lecturer in English and Director of Studies
- Robert Macfarlane**, MA, PhD, MPhil (Oxon), Hon DLitt (Aberdeen, Gloc). Official Fellow. College Lecturer in English; Professor of Literature & Environmental Humanities
- Catherine Rae**, BA (Oxon), DPhil (Oxon). Official Fellow. Assistant Graduate Tutor; Tutor for Admissions (Sciences); College Lecturer in Engineering; Professor of Superalloys
- 2004 **Lionel Alexander Fiennes Bently**, BA. Professorial Fellow. Herchel Smith Professor of Intellectual Property; Director of the Centre for Intellectual Property & Information Law

- 2005 **Richard William Broadhurst**, MA (Oxon), DPhil (Oxon). Official Fellow. Tutor; College Lecturer in Biochemistry and Director of Studies in Biological Natural Sciences; University Associate Professor and Assistant Director of Research in NMR Spectroscopy in the Department of Biochemistry
- John MacLennan**, MA, PhD. Official Fellow. College Lecturer in Earth Sciences; Professor of Earth Sciences
- 2000 **Francis Michael Jiggins**, MA, PhD. Official Fellow. College Lecturer in Genetics; 2009 Professor of Evolutionary Genetics
- 2006 **Okeoghene Odudu**, MA (Cantab, Keele), DPhil (Oxon). Official Fellow. College Lecturer in Law and Director of Studies; Herchel Smith Professor (Reader) of Competition Law; Deputy Director, Centre for European Legal Studies
- 2007 **Patrick John Barrie**, MA, PhD. Official Fellow. College Lecturer in Chemical Engineering and Director of Studies; University Associate Professor of Chemical Engineering
- Devon Elizabeth Anne Curtis**, BA (McGill), MA (McGill), PhD (London). Official Fellow. Adviser to Women Students; College Lecturer in Politics and Director of Studies in Human, Social & Political Sciences; University Associate Professor in Politics & International Studies
- Christopher Lyall Whitton**, MA, PhD, FRCO. Official Fellow. Deputy Praelector; College Lecturer in Classics and Director of Studies; Professor (Reader) in Classics
- Alexandre Joseph Kabla**, PhD, MA (ENS Lyon). Official Fellow. Tutor; College Lecturer in Engineering and Director of Studies; Professor of Mechanobiology
- 2008 **Jonathan Sam Simons**, PhD, BSc (Aberdeen). Official Fellow. College Lecturer in Experimental Psychology and Director of Studies in Psychological & Behavioural Sciences; Professor of Cognitive Neuroscience
- 2006 **Julie Sylvie Marie-Pierre Barrau**, BA (Paris Sorbonne), MA (Paris Sorbonne). Official 2013 Fellow. College Lecturer in History and Director of Studies; University Associate Professor of Medieval British History
- 2010 **Anurag Agarwal**, MA, BTech (Bombay). PhD (Penn State). Official Fellow. College Lecturer in Engineering and Director of Studies; Professor (Reader) in Acoustics & Biomedical Technology
- 2011 **David Maxwell**, BA (Manchester), DPhil (Oxon). Professorial Fellow. Dixie Professor of Ecclesiastical History and Director of Studies
- Perla Sousi**, MA, MMath, PhD, BSc (Patras). Official Fellow. College Lecturer in Statistics; Professor (Reader) in Probability in the Department of Pure Mathematics & Mathematical Statistics
- 2012 **Alexander Sam Jeffrey**, MA (Cantab, Durham, Edinburgh), PhD (Durham). Official Fellow. Tutor; Financial Tutor; Tutor for Admissions (Arts); College Lecturer in Geography and Director of Studies; Professor (Reader) in Human Geography
- Laura Moretti**, MA (Venice), PhD (Venice). Official Fellow. College Lecturer in Asian & Middle Eastern Studies and Director of Studies; Professor (Reader) of Early Modern Japanese Literature and Culture

- Ayşe Zarakol**, MA (Cantab & Wisconsin), PhD (Wisconsin). Official Fellow. College Lecturer in Politics; Professor (Reader) in International Relations
- 2013 **Alexander Mitov**, MSc (Sofia), MA (Cantab, Rochester), PhD (Rochester). Official Fellow. College Lecturer in Physics and Director of Studies; Professor of Theoretical Physics
- 2014 **Christopher Alexander Hunter**, MA, PhD, Hon DSc (Ulster), FRS, HonMRIA. Official Fellow. College Lecturer in Chemistry; Herchel Smith Professor of Organic Chemistry
- Alexander Thomas Archibald**, MA, BSc (Bristol), PhD (Bristol). Official Fellow. College Lecturer in Chemistry; Professor of Atmospheric Chemistry
- 2004 **Ross Wilson**, MA (Cantab & UCL), PhD. Official Fellow. Tutor; College Lecturer in English and Director of Studies; University Associate Professor of Criticism
- 2015 **Katherine Emma Spence**, MA, PhD. Official Fellow. Tutor; College Lecturer in Archaeology and Director of Studies; University Associate Professor of Archaeology
- Dominique Olié Lauga**, MA (Cantab & Paris), BS (École Polytechnique), MS (École Nationale des Ponts et Chaussées), PhD (MIT). Official Fellow. Tutor; College Lecturer in Economics and Director of Studies in Economics & Management Studies; Professor (Reader) of Marketing
- 1993 **Alexandra Walsham**, CBE, PhD, BA (Melbourne), MA (Melbourne), FBA. Official Fellow. College Lecturer in History; Professor of Modern History
- 2017 **Thomas Sauerwald**, MA, PhD (Paderborn). Official Fellow. College Lecturer in Computer Science and Director of Studies; Professor (Reader) of Computer Science & Technology
- Bettina Gisela Varwig**, BM (London), PhD (Harvard). Official Fellow. College Lecturer in Music and Director of Studies; Professor (Reader) of Music History
- Emma Stone Mackinnon**, BA (Harvard), MA & PhD (Chicago). Official Fellow. Tutor; College Lecturer in History and Director of Studies in History & Politics and in History & Modern Languages; University Assistant Professor of the History of Modern Political Thought
- 2019 **Robert Logan Jack**, MA, PhD (Imperial). Official Fellow. College Lecturer in Chemistry; Professor (Reader) of Statistical Mechanics
- Stacey Wing Law**, MA, PhD. Meggitt Research Fellow and Director of Studies in Pure Mathematics
- Amy Orben**, MA, DPhil (Oxon). Research Fellow
- Atakpa Peace**, PhD, BSc (Liverpool). Sir Alan Wilson Research Fellow
- 2020 **Jacopo Domenicucci**, PhD, BA (Sorbonne). Research Fellow
- Ingrid Invarsen**, BA (Oslo), MLitt & PhD (St Andrews). Research Fellow
- Paul Oliver Wilkinson**, MA, MB, BChir, MD, DCh, MRCPsych. Supernumerary Fellow. University Lecturer and Honorary Consultant in Child & Adolescent Psychiatry; Clinical Dean, School of Clinical Medicine

- 2021 **Peter Jeffrey Christopher**, MRes, MEng (Bristol), MSc (Open). Research Fellow
Timothy Luke Glover, BA (Oxon), MSt (Oxon), DPhil (Oxon). Research Fellow
Joseph Philippe Toussaint la Hausse de Lalouvière, BA, MA & PhD (Harvard).
 Research Fellow
Khuan Teck Matthew Seah, MSc, MBChB & BMedSci (Edin). Herchel Smith Teaching
 & Research Fellow in Medicine
- 2022 **Jennifer Russell**, MA, LL.M. Herchel Smith Teaching & Research Fellow in Law and
 Director of Studies
Ioanna Mela-Fyfe, PhD, Diploma (NTU Athens), MSc (Nottingham). Official Fellow.
 College Lecturer and Royal Society University Research Fellow
Fiona Amery, MPhil, BA (Exeter). Research Fellow
Harvey Dale, MSci (Bristol), PhD (Edinburgh). John Coates Research Fellow
Gonzalo Linares Matás, BA & MSt (Oxon). Research Fellow
Saite Lu, PhD, BSc (Ulster), MPhil (Oxon). Mead Teaching & Research Fellow in
 Economics
Elise Johanna Needham, BSc & PhD (Sydney). Research Fellow
Syamala Anne Roberts, MA, MPhil. Teaching & Research Fellow in German and
 Director of Studies
Jessica Taylor, BSc (Salford), PhD (Manchester). Roger Ekins Research Fellow

EMERITUS FELLOWS

- 1974, **David Stuart Lane**, BSocSc (Birmingham), DPhil (Oxon)
 1990
- 1996 **James Duncan**, MA, PhD (Syracuse)
- 1997 **David John Tolhurst**, MA, PhD
- 2000 **Lawrence Eliot Klein**, BA (Rochester), MA & PhD (Johns Hopkins); Director of
 Studies in History
Glynn Wynskel, MA, ScD, MSc (Oxon), PhD (Edinburgh)
- 2004 **Carolyn Susan Crawford**, MA, PhD
- 2007 **Rosy Ellen Thornton**, MA, PhD
- 2011 **Penny Watson**, MA, VetMD, PhD
Geoffrey Smith, MA (Cantab & Oxon), BSc (Leeds), PhD (NIMR), FRS

BYE-FELLOWS

- 2003 **Robert Daniell Sansom**, MA, PhD (Carnegie Mellon)
- 2004 **Jack Arnold Lang**, MA. Entrepreneur-in-Residence, Centre for Entrepreneurial Learning (CfEL), Judge Business School; Affiliated Lecturer in Computer Science
Simon Lebus, MA (Oxon). Formerly Chief Executive, Cambridge Assessment
- 2005 **Richard Godfray de Lisle**, MA, IMC
- 2011 **Stephen John Cowley**, MA, PhD. Director of Studies in Applied Mathematics; University Associate Professor of Applied Mathematics
- 2012 **Sylvia Richardson**, MA, PhD (Nottingham), DdÉtat (Paris Sud-Orsay). Professor of Biostatistics; Director of the MRC Biostatistics Unit
- 2013 **Ashley Alan Brown**, BS, MB (London), MD (London), FRCS. College Lecturer in Anatomy and Director of Studies
- 2014 **Stephen Ian Gurney Barclay** BA, MD, BM, BCh (Oxon), MSc (London). Director of Studies in Clinical Medicine; Clinical Professor (Reader) of Palliative Care
- 2015 **Ian Michael David Edwards**, MA. Partner, More Partnership
Baron Jean Christophe Iseux von Pffetten, MSc (Oxon), MSc, Dipl Eng (Strasbourg). Visiting Professor (People's University of China); President, Institute for East West Strategic Studies
- 2017 **Sarah Elizabeth d'Ambrumenil**, LLB (Cardiff). Head of the Office of Student Conduct, Complaints & Appeals, University of Cambridge
- 2018 **Shawn Michael Bullock**, MA, BSc (Waterloo), BEd, MEd, PhD (Queen's), MA (Toronto), PPhys. Director of Studies in Education; Professor of the History of Science, Technology and Education
Christopher Whitney, MA (Toronto), MBA (York). Director of Principal Gifts, University of Cambridge
John Charles Miles, BA (Durham), MA, PhD (Cranfield), FEng, CEng, FIMechE. Arup/Royal Academy of Engineering Professor of Transitional Energy Strategies
- 2020 **David Philip Inwald**, MB, BChir, PhD, FRCPC, FFICM. Director of Studies in Medicine; Consultant in Paediatric ICU, Cambridge University Hospitals NHS Foundation Trust
Joseph Enea Davighi, MA, PhD. Postdoctoral Research Associate, Department of Applied Mathematics & Theoretical Physics
James Fox, MA, PhD. Director of Studies in the History of Art
Deepak Jadon, PhD (Bath), MBBCh, MRCP(Rheum). Director of Studies in Medicine
- 2021 **Camille Lardy**, MA, PhD. Teaching Associate and Affiliate Lecturer, Department of Social Anthropology
David Hughes, BA. Director of Finance, University of Cambridge

Cassia Hare, MA, VetB, MRCVS. Clinical Veterinarian in Clinical Pathology, Queen's Veterinary School Hospital, University of Cambridge; Director of Studies in Veterinary Medicine

2022 **Abhishek Mehool Patel**, MA, MPhil

Muzaffer Kaser, MPhil, PhD, MD (Istanbul). Consultant in the Department of Psychiatry

Graham Walker, MA, LRAM. Director of Music

Jorge Reñe-Espinosa, BSc, MSc & PhD (Madrid). Director of Studies in Chemistry

Daniel J T McKay, MPhil, BA & LLB (ANU). Director of *Emma experience*

BENEFACTOR FELLOWS

2006 **John Edward Meggitt**, MA, PhD

Dorothy Meggitt

2014 **Edward Scott Mead**, MPhil, BA (Harvard), JD (Penn)

2018 **Margaret Betty Glasgow**, LLB (Liverpool)

2019 **Dhruv Manmohan Sawhney**, MA, MBA (Wharton)

Rati Sawhney

2021 **Grace Kong Freshwater**

Timothy George Freshwater, MA LLB

Anne Gertrude Martin, MA BA (Hull)

Thomas Martin, MA

2022 **Rakesh Patel**, MA

Fiona Susan Finlay, BSc (Bristol)

Robert Derek Finlay, MA

BENEFACTOR BYE-FELLOWS

2006 **Peter Michael Beckwith**, OBE, MA, Hon LLD

Robert Daniell Sansom, MA, PhD (Carnegie Mellon)

2009 **David John Brittain**, MA

Teresa Elaine Brittain, BA (Open), BSc, MSc (Colorado)

2010 **Tzu Leung Ho**, MD (Chicago), FACS

Stella Ho

Judith Margaret Beech, Dip (Central School of Speech & Drama)

Donna Brigitte McDonald

Kevin McDonald, OBE

2011 **Georgina Sarah Cutts**

Philip Nicholas Cutts

2012 **John Francis Ballantyne Marriott, BA**

2014 **Michael John Jones, MA**

2016 **Nancy S Milton, BA (Louisville), MS (Houston)**

2020 **Douglas William Meiklejohn Fergusson, MA**

Daniela Pozzi

Gilberto Pozzi, BA (Milan), MBA (Wharton)

Annabel Susan Malton, MA, PGCE (London)

Gerald Anthony Malton, MA, ARCO

2021 **Stefan Andreas Renold, MA**

Maria Christine Becker, Vordip (Passau), Dip ESCP

David Roger Land, MA (Cantab & Harvard), PhD (Harvard)

2022 **Richard Anthony Bladon, MA, MPhil (Reading), DPhil (Oxon)**

Elizabeth Cholawsky, MBA (Franklin), PhD (Minnesota)

Shazad Ghaffar, BA, MSc (London)

Syeda Matanat Mohsin, MA

Edward Hugo Darlington, PhD, BSc (Durham)

Kevin Roon, AB (Dartmouth), MA (Middlebury), PhD (NYU)

Simon Daniel Yates, MA

DEREK BREWER VISITING FELLOWS, 2022–23

Barak Orbach, BA (Tel Aviv), LLM & SJD (Harvard)

Roger Reed, MA, PhD, CEng, FREng

Jesse A Zink, PhD, BA (Acadia), MA (Chicago), MDiv (Yale), PhD

COLLEGE RESEARCH ASSOCIATES

2019 **Carmen Palacios Berraquero, PhD, MSc (Imperial)**

2021 **René Poncelet, BSc & MSc (Göttingen), PhD (Aachen)**

2022 **Aleksei Belyi, PhD (LMU Munich)**

The College Staff

ARRIVALS

Bursary

Petya Arseni, accounts assistant
Laura Boyd, human resources coordinator
Tabatha Robelou, human resources administrator

Catering

Amy Flood, food services assistant
Ahmed Hassani, kitchen porter
Sam Hines, function rooms coordinator
Brigden Jeffrey-Mann, coffee shop & bar manager
Jason Lopez Machado, function rooms coordinator
Alex Mappedom, senior food service supervisor
Andrew Marsh, chef de partie
Carlo Merolla, senior food service supervisor
Juan Moreno, function rooms coordinator
Donna Pilsworth, food service assistant

Development

Modhurima Hore, development assistant
Claire Williamson, personal assistant to the development director

Gardens

Jonathan Strauss, gardener

Household

Vrabka Atanasova, bedmaker
Wiktorija Belz, bedmaker
Anita Florczak, bedmaker
Sylwia Juszcak, bedmaker

Nora Marton, bedmaker
Mark Newling, household services assistant
Malgorzata Sommer, bedmaker
Gaetanina Sorrentino, bedmaker
Luiza Sztuba, household supervisor
Sherien Wamakulasuriya Fernando, bedmaker

Health & Safety

David Cook, fire, health & safety officer

Tutorial

Eve Cooley, tutorial events administrator
Anna Krupinska, tutorial & admissions administrator

DEPARTURES

Bursary

Shakila Ahmed, human resources administrator
Charlotte Humm, accounts clerk
Jane Kennedy, human resources coordinator
Laura McNulty, human resources administrator
Lisa Spendlove, senior payroll administrator (maternity cover)
Mary Watson, accounts assistant

Catering

Lakis Bazinis, chef de partie
Lindsay Foster, food services assistant
Carlo Merolla, senior food service supervisor
David Obidzinski, front of house manager

Johnathan Stevens, senior food service supervisor

Qiang Wang, kitchen porter

Development

Kate Hawkins, head of development operations

Rebecca Sharkey, development assistant

Emma Sullivan, executive assistant & office manager

Gardens

Christoph Keate, head gardener

Frantisek Kohak, assistant gardener

Health & Safety

Helen O'Halloran, health & safety officer

Household

Eric Balint, household services assistant

Kathleen Gibbons, supervisor

Attila Guba, housekeeper

Linda Hart, supervisor

Cheryl McManus, bedmaker

Filomena Maio, bedmaker

Terence Mullin, household services assistant

Ewa Perzan, bedmaker

Gaetanina Sorrentino, bedmaker

Laura Travaglini, bedmaker

Information Services

Michael Mulvihill, IS developer

Library

Catherine Ascough, assistant librarian

Victoria Chalmers, library assistant

Maintenance

Stephen Dye, electrician

Graeme Little, maintenance manager

David Saggs, electrician

Porters' Lodge

Peter Jenkins, fire safety porter

Tutorial

Helen Waterson, tutorial assistant

INTERNAL MOVES

Alejandro Martin Bel, from casual to food service supervisor

Odean Davids, from kitchen porter to food service assistant

Sam Hines, gate porter (from catering)

Maciej Kaminski, gate porter (from catering)

Academic Record

MATRICULATIONS

The number of matriculations during the academical year 2021–22 was 208. The names are given below.

Undergraduates

Amal Abdirahman

Harris Academy, London

English

Amy Adamson

Lowestoft Sixth Form College

Veterinary Sciences

Hibaak Aden

Brampton Manor Academy, London

Law

Sheikh Afzal

London Academy of Excellence

Medical Sciences

Juan Albin

Colegio Franklin Delano Roosevelt, Lima,

Peru

Human, Social & Political Sciences

Fabian Apostoaie

Notre Dame High School, Norwich

History & Politics

Aditi Arun Kumar

Henrietta Barnett School, London

Economics

Ellen Ashley

Latymer Upper School, London

English

Kaycee Barwell

Notre Dame Catholic VI Form College,

Leeds

Law

Bindi Batsaikhan

Gosford Hill School, Kidlington

Asian & Middle Eastern Studies

Concetta Baxter

Ricards Lodge High School, London

English

Adele Bayman

Lakes School, Windermere

Veterinary Sciences

Mia Becker

Vossius Gymnasium, Amsterdam,

The Netherlands

Natural Sciences

William Bennett

Brighton Hove & Sussex

Sixth Form College

Natural Sciences

Ebenezer Boakye

Mossbourne Community Academy,

London

Modern & Medieval Languages

Laura Boscott

Dame Alice Owen's School, Potters Bar

Natural Sciences

Maxwell Bowler

Worth School, Crawley

Engineering

Eloise Broadbent

Sir William Borlase's Grammar School,

Marlow

Natural Sciences

Nikolas Brown

Latymer Upper School, London

Mathematics

Leonie Brunning

St Thomas More Catholic School, Bedford

Medical Sciences

Jenna Buller

The Bishop's Stortford High School
Psychological & Behavioural Sciences

Orin Chapman

The London Oratory School
Human, Social & Political Sciences

Yilong Chen

Uppingham School
Mathematics

Charlotte Cheung McClure

The Latymer School, London
Medical Sciences

Zheng Yu Chow

Sha Tin College, Hong Kong
Law

Lewis Clark

Longdean School, Hemel Hempstead
Engineering

Freya Clarkson

James Gillespie's High School, Edinburgh
Medical Sciences

Joseph Conway

Blessed George Napier School, Banbury
Natural Sciences

Phoebe Cowhig

Tring Park School
Natural Sciences

Celeste Crosbie

St Paul's Girls' School, London
Natural Sciences

Shoshana Dahdi

Weald of Kent Grammar School, Tonbridge
History & Politics

Felix Daines

Redhill Academy, Nottingham
Engineering

Dominic Dakin

Birkdale School, Sheffield
Geography

James Darsley

Whitgift School, South Croydon
Asian & Middle Eastern Studies

Cara Day

St Albans High School for Girls
Natural Sciences

Suzannah de Vial

Clarendon Academy, Trowbridge
Theology, Religion & Philosophy of Religion

Grégoire Denjean

Dame Alice Owen's School, Potters Bar
Economics

Sasha Dhillon

Kendrick School, Reading
Mathematics

Harriet Dixon-Spain

St George's School for Girls, Edinburgh
Human, Social & Political Sciences

Jinu Dong

The University of Hong Kong
Engineering

Constantin d'Orléans

City of London School
Chemical Engineering via Natural Sciences

Jack Dust

Shrewsbury Sixth Form College
History & Politics

Joseph Duffy

Whitley Bay High School
Linguistics

Mia Eldor-Levy

University College School, London
Education

Rudi Ellis-Jones

Colyton Grammar School
Classics

Alistair Ferra

Dover Grammar School for Boys
Law

Elisabeth Franks

Dr Challoner's Grammar School, Amersham
Engineering

Kevel Gandhi

King's College London Mathematics School
Mathematics

Athena Ganesh

Streatham & Clapham High School
Veterinary Sciences

Archie Gent

Katharine Lady Berkeley's School,
Wotton-under-Edge
Law

Ashwin Gohil

Debden Park High School, Loughton
History

Anthony Gutsev

Westminster School, London
Natural Sciences

Ryan Hall

Lord Lawson of Beamish Academy, Birtley
Natural Sciences

Maggie Harding

Alexandra Park School, London
English

Matthew Haskett

Edgbarrow School, Crowthorne
Mathematics

Abigail Hastie

South Hunsley School, North Ferriby
History

Amelia Hayes

Wimbledon High School, London
Natural Sciences

Orla Hill

Mossbourne Community Academy, London
Engineering

Daniel Hilton

Ripley St Thomas Church of England
School, Lancaster
History

Eduard Hueffer

St Paul's School, London
Natural Sciences

Alice Ibbott

St Olave's & St Saviour's Grammar School,
Orpington
Geography

Thomas Ingleby

The Grammar School, Leeds
Modern & Medieval Languages

Eli Jay

The Latymer School, London
Mathematics

Emma Jennings

The Nelson Thomlinson School, Wigton
History & Modern Languages

Vignesh Kamath

John Leggott Sixth Form College,
Scunthorpe
Economics

Nathaniel Kemp

Harris Westminster Sixth Form College,
London
English

Catriona Knight

Oxford High School
Mathematics

Kate Lee

King's College School, London
Engineering

James Lester

The Judd School, Tonbridge
Economics

Perry Lewis

George Abbot School, Guildford
Engineering

Jiali Lu

King Edward VI High School,
Birmingham
Natural Sciences

Michael Luo

King Edward's School, Edgbaston
Medical Sciences

James McAllister

Charterhouse, Godalming
Engineering

Connor McAteer

Beverley Joint Sixth Form
Natural Sciences

Amelie McKenna

Stroud High School
Modern & Medieval Languages

Rosalind Mackey

St Francis' College, Letchworth
Natural Sciences

Robert McPherson

Harrogate Grammar School
Engineering

George Maddison

Magdalen College School, Oxford
Music

Srihitha Mannemela

Altrincham Grammar School
Medical Sciences

Eleanor Mansfield

Cheltenham Ladies' College
Medical Sciences

Daniel Maroto-Andresen

George Watson's College, Edinburgh
Chemical Engineering via Natural Sciences

Lucy Martin

Simon Balle School, Hertford
Geography

Isabel May

Chesham Grammar School
Music

Olivia Mitchell

Bradford Grammar School
History & Modern Languages

Joshua Moore Prempeh

Trinity School, Croydon
Architecture

Raphael Morter

Marling School, Stroud
Theology, Religion & Philosophy of Religion

Bei Ng

Hwa Chong Institution, Singapore
Human, Social & Political Sciences

Brendan Ng

Ying Wa College, Hong Kong
Natural Sciences

Peter Nix

Bradford Grammar School
Natural Sciences

Jun Ong

Saint Joseph's Institution, Singapore
Natural Sciences

Emily Orr

Beaconsfield High School
Engineering

Jino Osmani

Tehran International School, Iran
Computer Science

Ishaan Patel

St Dominic's Sixth Form College,
Harrow
Medical Sciences

Volodymyr Penzyev

Hampton School
Natural Sciences

Grace Pepper

St Hilda's Church of England High School,
Liverpool
Modern & Medieval Languages

Jack Pettifor

Colfe's School, London
Human, Social & Political Sciences

Louie Pietroni

Heathfield Community College
Computer Science

Muhammad Qasimi

Berkhamsted School
Human, Social & Political Sciences

Lucy Randall

St Olave's & St Saviour's Grammar School,
Orpington
Medical Sciences

Finian Reid

The King's School, Peterborough
Geography

Isabella Renfrew

Highgate School, London
Medical Sciences

Benjamin Reynolds

St Albans School

*History***Duncan Riley**

Knox Academy, Haddington

*Law***Linnea Roberts**

St Peter's Catholic School, Guildford

*Geography***Karthik Sadanand**

Royal Grammar School, High Wycombe

*Medical Sciences***Ryan Sandhu**

John Hampden Grammar School,

High Wycombe

*Natural Sciences***Neil Sardesai**

The Perse School, Cambridge

*Medical Sciences***Aurora Segre Carnell**

The Stephen Perse Foundation, Cambridge

*Medical Sciences***Nathan Seyoum**

Six 21, London

*Engineering***Zoe Shard**

Lady Eleanor Holles School, Hampton

*Classical***Kishan Sharma**

King Edward's School, Edgbaston

*Mathematics***Jesse Sharp**

Twyford Church of England High School,

London

*Philosophy***Sophie Shaw**

Our Lady & Saint Patrick's College,

Belfast

*Architecture***Yichao Shen**

Shanghai Pinghe School, China

*Natural Sciences***Genevieve Shrimpton**

King's High School, Warwick

*History***Caspar Slee**

Bishop's Stortford College

*Economics***Luca Smith**

Dulwich College, London

*Geography***Madeleine Smith**

Wymondham High Academy

*Natural Sciences***Rebeka Spalinska**

Akademeia High School, Warsaw,

Poland

*History of Art***James Steiner**

Sevenoaks School

*Computer Science***Amy Stretch**

Simon Langton Girls' Grammar School,

Canterbury

*Medical Sciences***Abiel Talwar**

Reading School

*Mathematics***Dewei Tan**

Raffles Junior College, Singapore

*Medical Sciences***Madeline Taylor**

Surbiton High School

*Classics***Hirushi Thenuwara**

Watford Grammar School for Girls

*Engineering***Maria Ticianelli Lopes**

Escola Suíço-Brasileira de São Paulo,

Brazil

*Natural Sciences***Artemiz Van den Broucke**

North London Collegiate School

Modern & Medieval Languages

Catherine Walch

Brockenhurst College
English

Yujun Wang

Dipont Education, Shanghai, China
Natural Sciences

Amelie Wilson

The Bishop's Stortford High School
Geography

George Winder

Bedford School
Natural Sciences

Poey Wong

S H Ho College, Chinese University of
Hong Kong
Economics

Madeline Wooldridge

The Tiffin Girls' School, London
Natural Sciences

Ffion Wright

Ysgol Calon Cymru, Builth Wells
Natural Sciences

Sebastian Wright

Bilborough College, Nottingham
Mathematics

Luhan Yang

Brighton College
Economics

Yen Yeap

Torquay Grammar School for Girls
Engineering

Gordon Yeung

S H Ho College, Chinese University of
Hong Kong
Education

Wai Ying

Diocesan Boys' School, Hong Kong
Mathematics

Zhuo Yu

The Portsmouth Grammar School
Mathematics

*Postgraduates***Elisabeth Ruth Aiton**

Durham University
*Master of Philosophy in Population
Health Science*

George Ioannis Alexandrou

King's College, London
*Master of Philosophy in History & Philosophy
of Science & Medicine*

Abdullah Altintas

Bilkent University, Ankara, Turkey
Master of Law

Kai Ren Ang

University of Warwick
Master of Philosophy in Management

James Rene Bailey

University of Central Florida, Orlando, USA
Master of Philosophy in Economic Research

Severin Baker

Durham University
*Master of Philosophy in Development
Studies*

Daniel Barabas

University of Sydney, Australia
Master of Finance

Gabriel Moshe Benaim

Open University of Israel
Master of Philosophy in Public Policy

Matthew John Bertenshaw

University of Dundee
*Master of Philosophy in Industrial Systems,
Manufacturing & Management*

Shelly Lynn Bibby

Georgia Institute of Technology, Atlanta,
USA
*Executive Master of Business
Administration*

Melanie Burgess

University of Northampton
PhD (Probationary) in Education

Sarah Elizabeth Chapman

Durham University
PhD (Probationary) in Pathology

Aric Chung Wah Chau

University of Bath
Master of Philosophy in Economics

Ashley Marie Cooper

Harvard University, Cambridge, USA
Master of Philosophy in Health, Medicine & Society

Erin Elizabeth Courville

Williams College, Williamstown, USA
Master of Philosophy in Transitional Biomedical Research

Holly Rachel Davies

London School of Economics & Political Science
Master of Philosophy in Theology, Religion & Philosophy of Religion

Aaron Dines

Lancaster University
Master of Studies in Applied Mathematics

Christopher Joseph Decker Dowd

Harvard University, Cambridge, USA
Master of Studies in Pure Mathematics

Christopher Francis Dunkin

University College, London
Master of Studies in Pure Mathematics

James Lewis FitzGerald

Williams College, Williamstown, USA
Master of Philosophy in Politics & International Studies

Chiara Alessandra Fulvi

London School of Economics & Political Science
Master of Philosophy in Finance

Tian Gao

Waseda University, Tokyo, Japan
PhD (Probationary) in Asian & Middle Eastern Studies

Ciara Brynn Hervas

Harvard University, Cambridge, USA
Master of Philosophy in Multidisciplinary Gender Studies

Frances Hisgen

Harvard University, Cambridge, USA
Master of Philosophy in World History

Tariq Kamal Hussein

University of Leeds
Master of Philosophy in Advanced Chemical Engineering

Tessa Hutchman

Anglia Ruskin University, Cambridge
Master of Education (PGCE) in Mathematics

Joseph Peter Hutton

University of Bristol
PhD (Probationary) in Pathology

Lazina Ibnat Zaman

Queen Mary, London
Master of Philosophy in Advanced Chemical Engineering

Alison Mary Johnston

University of Cambridge
Master of Education (PGCE) in Mathematics

Junghae Kang

Korea University, Seoul, Korea
Master of Corporate Law

Jason Kirkbride

University of the West of England
Executive Master of Business Administration

Zoltan Konder

Harvard Business School, Cambridge, USA
Executive Master of Business Administration

Timothy Andrew Lee

Imperial College, London
PhD (Probationary) in Divinity

Bernard Ngai Che Liu

London School of Economics & Political Science
Master of Philosophy in Technology Policy

Kyle Aaron McGregor

Yale University, New Haven, USA
Executive Master of Business Administration

Alice Olivia McKimm

Girton College, Cambridge
PhD (Probationary) in History

Emily Rose Malpass

Harvard University, Cambridge, USA
Master of Philosophy in Economic & Social History

Mohammed Ibn Rashad Memfis

Williams College, Williamstown, USA
Master of Philosophy in Anthropocene Studies

Samantha Clare Mitchell

Cardiff University
PhD (Probationary) in Psychology

Rowan May Morris

Durham University
Master of Philosophy in Population Health Sciences

Hanna Lynn Mularczyk

Harvard University, Cambridge, USA
Master of Advanced Study in Pure Mathematics

Hiten Mulchandani

University of Southampton
PhD (Probationary) in Engineering

Nariswari Khairanisa Nurjaman

University of Indonesia
Master of Philosophy in Public Policy

Sonia Nyarko

Williams College, Williamstown, USA
Master of Philosophy in American History

George Palmer

University of Oxford
Master of Philosophy in Modern British History

Toby John Payne

University College, London
Master of Philosophy in World History

Pauline Luise Pfuderer

University of Heidelberg, Germany
Master of Research in Cancer Biology

Salvi Porwal

Birla Institute of Technology & Science, Pilani, India
Master of Business Administration

Marya Zohara Rana

Williams College, Williamstown, USA
Master of Philosophy in Population Health Sciences

Tooba Rauf

Arid Agriculture University, Rawalpindi, Pakistan
Master of Philosophy in Education (EGID)

Emmanuel Robert

Institut de Hautes Études Internationales, Geneva, Switzerland
PhD (Probationary) in Politics & International Studies

Ava Elizabeth Robertson

University of the West Indies, Mona, Jamaica
Master of Philosophy in Population Health Sciences

Vanessa Maria Roser

Harvard University, Cambridge, USA
Master of Philosophy in Biological Science (Physiology, Development & Neuroscience)

Ben Saward

Heriot-Watt University, Edinburgh
Executive Master of Business Administration

Mario Karam-Aziz Shammas

University of Chicago, USA
PhD in Clinical Neurosciences

Sarah Christine Shi

Columbia University, New York, USA
Master of Philosophy in Earth Sciences

Casper Siu

Clare College, Cambridge
PhD (Probationary) in Genetics

Isabelle St-Hilaire

University of Ottawa, Canada
Master of Law

Joseph Seamus Toker

Harvard University, Cambridge, USA
*Master of Philosophy in Medical Science
(Oncology)*

Ikenna Uzoh

Nnamdi Azikiwe University, Awka, Nigeria
Executive Master of Business Administration

Siddhartha Verma

University of Lucknow, India
Master of Philosophy in Public Policy

Ryan Seth Walter

Stanford University, USA
Master of Business Administration

Jiahui Wang

Syracuse University, USA
Master of Business Administration

Zeyu Wang

St Edmund's College, Cambridge
Master of Business Administration

William Casey Wells

King's College, London
PhD (Probationary) in Land Economy

James McFetridge Wilson

Duke University, Durham, USA
PhD (Probationary) in Divinity

Yang Xinyi

Lanzhou University, China
*Master of Philosophy in Theology, Religion &
Philosophy of Religion*

*French Lectrice***Augustine Marguerite Regine Vivant**

École Normale Supérieure de Lyon, France

The number of students starting postgraduate courses during the academic year 2021–22 who had previously matriculated at Emmanuel as undergraduates was 40. The names are given below.

Daniya Baiguzhayeva

Master of Philosophy in English Studies

William Edward Benjamin Bishop

*Master of Philosophy in Biological Science
(Plant Science)*

Lauren Blake

*Bachelor of Medicine & Surgery:
Final MB Exam*

Thomas Brine

*Master of Philosophy in Biological Science
(Plant Science)*

Danielle Browne

Bachelor of Veterinary Medicine: Final Exam

Fiona Pachanida Burn

*Bachelor of Medicine & Surgery:
Final MB Exam*

Annabel Kathleen Cardno

PhD (Probationary) in Pharmacology

Yik Shun Chan

*Bachelor of Medicine & Surgery: Final MB
Exam*

Abigail Jane Cox

Bachelor of Veterinary Medicine: Final Exam

Samuel John Dutnall

Master of Philosophy in Polar Studies

Amy Elford

*Master of Philosophy in Biological Sciences
(Pathology)*

Alexander Evtushenko

PhD (Probationary) in Biotechnology

Olivia Fairhurst

*Bachelor of Medicine & Surgery:
Final MB Exam*

Lucy Kate Graham*Master of Philosophy in Medieval History***Broderick Rollo Haigh Haldane-Unwin***Master of Philosophy in Medieval History***Emil Sondaj Hansen***Master of Philosophy in Politics & International Studies***Hannah Catherine Scullion Horton***Master of Research in Physical Sciences: Nanoscience***Rowena Jennifer Jones***PhD (Probationary) in Medicine (Science)***Dominic Kirkham***PhD (Probationary) in Biostatistics***Abbeykeith Kugasenanchettiar***Bachelor of Medicine & Surgery: Final MB Exam***Max Alexander Langtry***Master of Research in Future Infrastructure & Built Environment***Alexander Latcham-Ford***Master of Philosophy in Social Anthropology Research***Alec Arthur Isaac Letten***Bachelor of Medicine & Surgery: Final MB Exam***Amindu Dheeravin Bandara****Madigasekara***Bachelor of Medicine & Surgery: Final MB Exam***Peter Bardwell Mumford***Master of Philosophy in Classics***Ellie O'Keeffe***Bachelor of Medicine & Surgery: Final MB Exam***Charles William Powell***PhD (Probationary) in Applied Mathematics & Theoretical Physics***Eleanor Reffin***Bachelor of Medicine & Surgery: Final MB Exam***Arkaprabha Saha***Bachelor of Medicine & Surgery: Final MB Exam***Daniil Olegovich Soloviev***PhD (Probationary) in Chemistry***Corin Edward Staves***PhD in Medical Science (MRC Epidemiology Unit)***Tokino Takahashi***Bachelor of Medicine & Surgery: Final MB Exam***Alethea Raelyn Yi Ling Tan***Master of Philosophy in Social Anthropology Research***Eliza Blue Tewson***Master of Philosophy in English Studies***Eliane Thoma-Stemmet***Master of Philosophy in Early Modern History***Tuhin Varshneya***Bachelor of Medicine & Surgery: Final MB Exam***Alex Rebekah Vayro***Bachelor of Veterinary Medicine: Final Exam***Cecilia Daisy Yearsley***Master of Philosophy in Classics***Ian Joseph Yorke***Master of Philosophy in Theology, Religion & Philosophy of Religion***Ziying Zang***Master of Philosophy in Music*

SCHOLARSHIPS, EXHIBITIONS AND PRIZES 2022

Bachelor Scholarships

Elections

R Calder, S M Dickens, N E Fletcher, H O King, A J R Lewis, L E R Speed, K L Tan

Windsor Bachelor Scholarships

Elections

M Cole, M S Dunn, Z Fu, F E R Hardyman, J I Kim, J G Lundie-Fallon, S B Sayers

Honorary Bachelor Scholarships

Elections

C S Baumöhl, J Chen, J L J Ee, D I Fricska, C K MacKenzie, Z L Ng, K M Shaw, E Woolhouse

Peter Morris Bachelor Scholarship

S E P Harrison

Adrian Martinez Scholarship

L L T Sikau

Senior Scholarships

Elections

G Adler (Davies), R Battle (Davies), J L A Buller (Ash), O M Chapman (Smith), C Cheung McClure (Prettejohn), O Cooper (Hunter), C Crosbie (Davies), D J Dakin (Smith), J Darsley (Ash), C E Day (Davies), G Denjean (Smith), J Dong (Frank Marriott), A Ferra (Porter), A Gent (Porter), C M Herkommer (Owen), M T Hilton (Ash), R J Hodgeon (Frank Marriott), E Hueffer (Davies), A Ibbott (Smith), T Ingleby (Saxelby), V H Kamath (Smith), E E Keily-Thurstain (Smith), C Knight (Braithwaite Batty), N Land (Davies), K Lee (Frank Marriott), J Lester (Smith), M Y Luo (Prettejohn), R A Mackey (Davies), R J McLeish (Hunter), L Martin (Smith), A Mason (Davies), R Morter (Dixie), S C Ng (Davies), P A Nix (Davies), J X Ong (Davies), V Penzyev (Davies), L Pietroni (G T Rogers), B L O Richards (Braithwaite Batty), N A Sardesai (Prettejohn), A E G Segre Carnell (Prettejohn), K D Sharma (Braithwaite Batty), Y Shen (Davies), G I Shrimpton (Owen), C Slee (Smith), A F Sutton (Prettejohn), D Tan (Prettejohn), A A Van den Broucke (Saxelby), H C Walton (Davies), T Ward (Davies), I J M West (Smith), G A B Winder (Davies), A K Yang (Braithwaite Batty), Y L Yeap (Frank Marriott)

Re-elections

E Allen (Braithwaite Batty), J R Anderson (Davies), A K Banerjee (Frank Marriott), B J Blaker (Smith), R M Caddy (Saxelby), T Cheetham (Frank Marriott), O E B Chitty (Smith), A Clark (Ash), M De Wildt (Braithwaite Batty), T M Driver (Welford-Thompson), M Johnson (Braithwaite Batty), A Kapoor (Hunter), A L Kowalska (G T Rogers), I Lee (Davies), X Li (Davies), J Liu (Frank Marriott), J Liu (Davies), E R Lovick (Welford-Thompson), H Y Low (Davies), V Manogaran (Prettejohn), B Mapes (Owen), S F Mobus (Prettejohn), J E Moll (Frank Marriott), L Pangaro (Owen), B M Risebrow (Braithwaite Batty), B L C Silva (Frank Marriott), L Sivaraya (Frank Marriott), O Stubbs (Braithwaite Batty), A Tripathi (Braithwaite Batty), B Walkowiak (Davies), W Wang (Saxelby), S Woodley (Frank Marriott)

Senior Exhibitions*Elections*

A Abdurahman, A Addinall, S A Afzal, J D Albin, F Apostoaie, E Ashley, K M Barwell, B Batsaikhan, C Baxter, M Becker, E A Boakye, M Bowler, N D Brown, R Caltagirone-Sykes, A F Cavender, C C C Chan, Y Chen, Z Y Chow, L S Clapham, F B Clarkson, J J Conway, C d'Orleans, F Daines, J Doust, J M G Duffy, H M A Duroseu, M Eldor-Levy, E A Franks, E Gande, K D Gandhi, A Ganesh, L J E Geake, A J Govan, R J Hall, M D Handley, M Harding, O Hill, R Holley, Y Hornsby, N L Hughes, J T Ingrey, E Jay, E C Jennings, G Johnson, D Kaddaj, N Kemp, P Lewis, A J Lim, J Lu, O N Mair, E Mansfield, D Maroto-Andresen, R J Mason, I May, J McAllister, C E McConnell, F McIntyre, A E McKenna, R E McPherson, G Maddison, J L Moore Prempeh, G E M Muldowney, V Muralidharan, B L Ng, S J O'Keefe, J Osmani, I K Patel, G E Pepper, T O Perkin, J A A R Pettifor, D Randall, L Randall, F S Reid, Z C Richardson, D Riley, L C Roberts, D Sadanand, R Sandhu, Z J Shard, J Sharp, S Shaw, E J Sissons, L Smith, R Spalinska, J A Steiner, A Stretch, E R Suissa, A M Talwar, E R Tapley, H Thenuwara, I C Thomas, C Walch, Y Wang, S F Wiginton, E Wilkinson, S M Williams, A Wilson, F M Wright, Z Y Yu, Z Zhang

Re-elections

T G Adolphus, A T Ampona, R H E Angus, L J Ashton, E Ball, J Ball, L E Barber, B Brown, J A K Brown, G H Butler, E M Cates, M Caulfield, L M Christou, Z M Daw, L DeBruin, E A R Dougans, J N Erlebach, L A R Evans, C Fairchild, K S Gill, B E Greenhalgh, J L Hepworth, J Hill, T Hill, J A Hindmarch, C J L Horne, J O Howell, P R Jennings, I Koos, E Koubeh, J Labeledz, C S Llewelyn, J M C MacConnachie, N Maniar, B Milsom, C D Newton, A J L Nguyen, B Nicholson, A A Odeyemi, E Parker, R P Patel, S Pindoria, D J Price, K S Proctor, P Raj, D A Reid, M N Reynolds, A J Richards, C H M Rowe, P C Shuker, H Sinjan, T R Smallcombe, O T Taylor, A Telford, N Usselman, T M Wait, A Williams, A D J Wilson

College Prizes

G Adler, M R Ahmad, E Allen, A Altintas, J R Anderson, A K Banerjee, R Battle, C S Baumöhl, D Birss, A Bispham, B J Blaker, D Boros, J Broadbent, J L A Buller, R M Caddy, R Calder, Z Cannon, T Cavan-O'Riordan, O M Chapman, T Cheetham, J Chen, C Cheung McClure, O E B Chitty, Z X Chua, C A Churchill, A Clark, J Clarke, M Cole, O Cooper, C Crosbie, D J Dakin, J Darsley, L M Davies-Jones, C E Day, M De Wildt, G Denjean, S M Dickens, J Dong, T M Driver, M S Dunn, J L J Ee, A Eltis, A Ferra, N E Fletcher, D I Fricaska, Z Fu, T P I Fung, A Gent, M G

Ghinn, D U Gibbons, M C Hardy, F E R Hardyman, A Hayward-Surry, Z He, M P F Hendriks, C M Herkommer, T A Higginbotham, M T Hilton, R J Hodgeon, J A Hoyle, E Hueffer, A Ibbott, T Ingleby, E Isaeva, L B Ismael, M Johnson, V H Kamath, A Kapoor, D M Karia, E E Keily-Thurstain, J I Kim, H O King, P Kirby, C Knight, A L Kowalska, N Land, J P Lane, K Lee, I Lee, J Lester, E M Levi Smythe, A J R Lewis, X Li, J Liu, J Liu, E R Lovick, H Y Low, J G Lundie-Fallon, M Y Luo, S M'Caw, C K MacKenzie, R A Mackey, R J McLeish, C Malcolm, J Mayer, B L Miller, F M Mann, V Manogaran, B Mapes, L Martin, A Mason, A S Mills, S F Mobus, J E Moll, R Morter, R G Murray, S C Ng, Z L Ng, P A Nix, J X Ong, L Pangaro, V Penzyev, C A Pickering, L Pietroni, N L Pullinger, H L Reade, B L O Richards, B M Risebrow, M G E Roach, S Samra, N Sant, N A Sardesai, S B Sayers, A E G Segre Carnell, K D Sharma, J Shaw, K M Shaw, Y Shen, R A Shiatis, G I Shrimpton, B L C Silva, L Sivaraya, C Slee, L E R Speed, I St-Hilaire, O Stubbs, E Sun, A F Sutton, D Tan, K L Tan, J H R Thompson, H W M Tong, A Tripathi, A A Van den Broucke, G Vides-Gold, O Vogt-Vincent, B Walkowiak, H C Walton, W Wang, T Ward, I J M West, G A B Winder, Y H Wong, S Woodley, E Woolhouse, G R Wyatt, A K Yang, Y L Yeap, D J R Yue

Named College Prizes and Awards

Abdul Aziz: C M Herkommer, B Mapes

Zainab Aziz: Z L Ng

Bokhari: N L Pullinger

Braithwaite Batty: L B Ismael, J P Lane, B L O Richards, O Stubbs, H W M Tong, G R Wyatt

Elisabeth & Derek Brewer: A Kapoor

Andrew Bury: Not awarded in 2021

John Clarke (Part IA): A E G Segre Carnell

John Clarke (Part II): Z Fu

William Coupe: W Wang

Robert Dobson: T Ingleby

M T Dodds: M De Wildt, A J R Lewis, G Vides-Gold

Glover: Not awarded in 2021

Hackett: J A Hoyle

Henderson: B Walkowiak

Albert Hopkinson: D Tan

Dick Longden: A Eltis

Colin MacKenzie: S F Mobus

Master & Tutors' Prize: L M Davies-Jones, E Sun

Odgers: A Gent

Pattison: T M Driver

Peake: C A Churchill

Herman Peries: D J R Yue

Quadling: M C MacConnachie, O N Mair

Bill Ray: A S Mills

Rodwell: A Altintas, I St-Hilaire

Peter Slee History Prize: G I Shrimpton

Edward Spearing: L Pangaro

Sudbury-Hardyman: M G Ghinn, E Woolhouse

H J & C K Swain: B L C Silva

Dr Arthur Tindal Hart: O Vogt-Vincent

Vaughan Bevan: C S Baumöhl

Wallace: Z X Chua, J Dong, M S Dunn, K Lee, C Malcolm, J E Moll, J H R Thompson, S Woodley, Y L Yeap

Olive Ward: A Bispham

Peter Ward: B J Blaker, G Denjean, V H Kamath, J Lester, C Slee

Sir David Williams: A Ferra

T J Williams: L J Ee

Herchel Smith Scholarships to Harvard 2022–23

E Tewson (2017), E Thoma-Stemmet (2018), N Wilson (2015), C Yearsley (2018)

UNIVERSITY AWARDS

Z X Chua

ANSYS-Granta Prize in Computational Engineering

T A Higginbotham

Buckingham Prize for the best Theoretical Part II project, Chemistry Department

C Malcolm

Civil Engineers Roscoe Prize for Soil Mechanics

A O'Leary

William Vaughan Lewis Prize

S Samra

Ricardo Prize in Thermodynamics

K M Shaw

Richard Perham First Prize

G Vides-Gold

George Aldridge Prize

William Vaughan Lewis Prize

B Walkowiak

Frank Smart Prize for Botany

D J R Yue

Wishart Prize

DEGREES

The following are the principal degrees taken by Emmanuel men and women during the academical year 2021–22.

PhD

Alexandra Elizabeth Allan

Promoting proportionate justice: a study of case management and proportionality

Theocharis Amanatidis

Designing user interfaces for fully autonomous vehicles: to speak, tap or press?

Alan Richard Bowman

Materials, methods and concepts for twenty-first century solar cells

Osama Brosh

*Transposable elements and the evolution of virus resistance in *Drosophila melanogaster**

Lucas De Oliveira Paes

Network hierarchies: nested hegemonies and the global-regional orchestration of order in international politics

Chris Hamilton

Secular dynamics of binaries in stellar clusters

Jennifer Frances Harris

Mirror, fragment, repetition: using metaphor to read twentieth-century French poetry in English translation

Ture Fabian Hinrichsen

Spectroscopic studies of charge dynamics in non-fullerene organic solar cells

Emily Anna Hoyt

Interdisciplinary approaches to achieve residue-specific protein modification

Jessica Koch

A comparative study of Urraca of León-Castilla (d 1126), Melisende of Jerusalem (d 1161) and Empress Matilda of England (d 1167) as royal heiresses

Qingping Geoffrey Ma

New insights into understanding urban traffic emissions using novel mobile air quality measurements in the Breathe London pilot study

Olivia Morley

Optical spectroscopy of HMX reaction regimes

Petra Páleníková

Biogenesis and function of the mitochondrial ribosome

Samuel Tudy Phillips

Facilitating the use of optimisation in the aerodynamic design of axial compressors

Alexander Leslie Richardson

Complete spatial safety for C and C++ using CHERI capabilities

Geoffrey Peter Roberts

The metabolic sequelae of oesophago-gastric resection

James Benjamin Ryley

Quantitative chemical analysis throughout the FC-CVD process as a route to reliable fibre production and research

Yerkebulan Sairambay

New media and political participation in the emerging era of Web 3.0: a comparative study of Russia and Kazakhstan

EdD

Karen Ottewell

Looking behind the writing: the design and implementation of a framework to provide transitional support for the development of written articulacy at PG level – a University of Cambridge case study

LLM

Abdullah Altintas

Pedro Lins Conceição De Medeiros

Junghae Kang

MCL

Morwenna Hall

MRes

James Benjamin Ryley
Gemma Elizabeth Swan

MPhil

Kai Ren Ang
Maurits Sebastiaan Bogaards
Tania Calle
Ziqi Dong
Mareike Sophie Druenkler
Jacob Eisler
Dounia Foster-Hall
Nicholas Cassara Goldrosen
Nathan Ram Grant
Charlotte Amelia Hampton
Eilidh Kathleen Hughes
Colin John Kaljee
Samuel Edward Lloyd
Maximilian Edward Long
Calum James McKay
Evan Cliff Mackay
Leila Isabella Nadezhda Mather
James Hunter Mitchell
Daniel Nigel Monteiro
Francis Aidan Newman
Yinying Peng
Russell Howell Reed
Alexander Liang Ren
Michal Tomasz Saniewski
Suiyi Tang
Selin Zeyrek

MSt

James Gemmell

MBA

Simon Shiu Pong Au
Janki Ramesh Bhimjiyani
Shelly Bibby
Holger Geyer
Natchai Kanathanavanich

Debdipta Kanjilal
Zoltan Konder
Steve Lutzmann
Nikhita Narendran
Dimitrios Paggitoulis
Michael Marvin Rees
Jonas Rimavicius
Stephen Jeffrey Scott
Mahmood Iqbal Shafi
Tariq Navid Shah
Yohsuke Takasaki
Meimei Zhao
Avi Simcha Zolty

MFin

Justin Sau Li Chan
Carlos Guillermo Lopez Moreira Vazquez
Toshiko Matsui
Ployroong Phanmeechaow

MEd

laomie Amber Malik

MB

Tanvi Acharya
Alexander Nicholas Bow
Ankit Chadha
Mahmoud Elbahnasawi
Victor Wei Qi Ho
Richard Anthony Johnson
Amol Joshi
Leo Christian Jurascheck
Dominic Manetta-Jones
Saskia Elizabeth Oakley
Freya Elizabeth Smith
Luke Andrew Mark Smith
Rebecca Aislinn Walshe
Patrick David Warren

VetMB

Sofia Chowdry
Victoria Rosalyn Leeman
Amy Victoria Radford

MMath & BA

James Broadbent
 James Stephen Peter Coe
 James Peter Lane
 Matteo Lyon
 Charles Anthony Pickering
 Rohan Andrew Alexander Shiatis
 Ho Wang Mervyn Tong
 George Robert Wyatt
 Daniel Jun Ru Yue

MEng & BA

Thomas Chan
 Zhe Xuan Chua
 Srivatsa Garg
 Daniel Umar Gibbons
 Hanna Lee
 Cara Malcolm
 Alan Marko
 Joel Mayer
 Benjamin Lawrence Miller
 Anna Sarah Mills
 Robert Ogilvy
 Sachin Niam Patel
 Shaanveer Samra
 Neelay Sant
 Maja Elisabeth Segger
 Emma Sun
 James Henry Robert Thompson
 Yuet Hong Wong
 Benjamin Wood

MSci & BA

Sophie Isabella Bennett
 Daniel Boros
 Zak Cannon
 Jiaqi Chen
 Jessye Clarke
 Dorottya Ibolya Friczka
 Jessica Mary Godden
 Megan Hardy
 Ziou He
 Mees Philip Franciscus Hendriks
 Timothy Alexander Higginbotham

Dheer Mahesh Karia
 Hein Alexander Mante
 Sebastian M'Caw
 Rosie Gillian Murray
 Kyungwook Nam
 Emma Pike
 Jonathan Shaw
 Kristina May Shaw

BA

Ehren Agarwal
 Jonathan Allsop
 Max William Altman
 Aaran Amin
 Hannah Elizabeth Back
 David Barbakadze
 Caroline Sonia Baumöhl
 Umm Habiba Begum
 Dorothea Birss
 Alexandra Bispham
 Alexandria Cerys Ann Bramley
 Anya Daisy Brown
 Samuel Jason Brown
 Uyen Tu Dan Bui
 Phoebe Rose Butler
 Rebecca Calder
 Annabel Cardno
 Tara Cavan-O'Riordan
 Abhinandan Chatterjee
 Benjamin Finlay Richard Chesser
 Catherine Anne Churchill
 Louisa Clogston
 Matthew Cole
 Lalie Louise Blandine Constantine
 William Frederick Pilbro Coupe
 Georgia Eleanor Cruse-Drew
 Lucien Miles Davies-Jones
 Kate Imogen Alice Devey
 Samuel Matthew Dickens
 Amy Dimaline
 Montgomery Stirling Dunn
 Jennifer Mary Dyson
 James Jun Long Ee
 Alfred Eltis

Wengiditie Uzoma David Eradiri
 Nicole Elizabeth Fletcher
 Ziruo Fu
 Tsz-Pui Issac Fung
 Molly Grace Ghinn
 Alexander David Golden
 Arul Gupta
 Francesca Elspeth Rose Hardyman
 Ambery Harris
 Emma Ceren Hassey
 Anna Hayward-Surry
 Andrew Hedges
 Anabel Joy Hindmarsh
 Luke Holland
 James Alexander Hoyle
 Erica Ruth Humbey
 Eleanor Kate Huddleman
 Elizaveta Mikhaila Isaeva
 Lucien Benedict Ismael
 Emma Victoria Kearney
 David Oliver Kempton
 Jee In Kim
 Philippa Kirby
 Olivia Lavigne
 Hakyung Lee
 Amy Joy Stratton Lever
 Etta Mae Levi Smythe
 Adam James Robin Lewis
 Jacob Gabriel Lundie-Fallon
 Finlay Garland Macgregor
 Calum Kenneth MacKenzie
 Catriona Isobel MacLeod
 Alexander McManus
 Francesca Mary Mann
 Jack Alfie Medlin

Daniel Newman
 Zi Ling Ng
 Jacinta Ji Ying Ngeh
 Anna Clare O'Leary
 Samuel Henry Pathmanathan
 Daniel Pluck
 Nicole Lauren Pullinger
 Adithya Rajeev
 Hazel Lily Reade
 Luke William Peter Ridge
 Michael George Edward Roach
 Olivia Robinson
 Eimear Eilís Rogers
 Nóra Ruzsiczky
 Katherina Samways
 Sarah Beth Sayers
 Abigail Ji Qing Siu
 Kathryn Patricia Skazick
 Lorna Ellen Reeve Speed
 Max William Howie Stockdale
 Keng Lar Tan
 Vishal Aksaj Rajan Thirupathirajan
 Alexandra Tsalidis
 Linus Max Curtis Uhlig
 Gabriella Vides-Gold
 Orli Leah Vogt-Vincent
 Jiaxin Wang
 Emily Reshma Woolhouse
 George Andrew Worrall
 Elizabeth Jennifer Wright
 Seren Cerys Grace Wyatt

BAO
 Rio Dow

Members' Gatherings

On 25–26 September 2021 the following were present at a Gathering:

The Master and Fellows

The Master, Dame Fiona Reynolds
 Dr Alan Baker
 Dr Sarah Bendall
 Mr Douglas Chalmers with
 Helen Chalmers
 Dr David Livesey
 Professor Nigel Peake
 Dr Kate Spence
 Dr Rosy Thornton
 Dr Penny Watson

Former Fellow

Dr Jeremy Wilkinson

Member of staff

Miss Nina Brookes

1981

Mrs Jennie Appleyard
 Dr Bridget Atkins
 Mr Michael Borrell
 Ms Mary Jane Brouwers (née Holmes)
 Mr Sean Byrne
 Ms Louise Delaye-Hand (née Marshall)
 Mr Stephen Finch
 Dr Dominic Gallagher
 Mr Robert Glen
 Mr Howard Green
 Mr Richard Gymer
 Mrs Penny Hawker (née Kapel)
 Mr Simon Hooper
 Mrs Stephanie Mason (née Broom)
 Ms Olive Murray

Mr Carl Newton
 Ms Melanie Nock
 Mrs Pippa Phillips (née Lowe)
 Mr Andrew Ridgeway-Brown
 Mrs Sandie Turner (née Etherington)
 Mr Andrew Wallace
 Mr John Whilde
 Mrs Clare Windsor (née Roberts)

1982

Ms Diana Ball
 Mr Steve Buck
 Mr Russell Buxton
 Mr Anthony Dixon
 Mr Adam Downing
 Mr Shazad Ghaffar
 Mr Nick Gibbon
 Dr Ty Glover
 Mr David Grimbley
 Mrs Melanie Gummer (née Aspinall)
 Miss Ann Halford
 Mrs Claire Hamilton (née Brewster)
 Mr Richard Haynes
 Mr Peter Jacobs
 Mrs Nicola Kerr (née Croucher)
 Mr Simon McCaskie
 Mr Julian Malton
 Mr David Matson
 Mr Paul O'Mahony
 Dr Nigel Peach
 Mr Mark Powderham
 Mrs Sian Rollings (née Whitfield)
 Mr James Rowley
 Mr Christopher Sharman
 Mr Peter Solomon
 Ms Michelle Still
 Mr Michael Stott

Mr Marcus Streets
 Professor Chris Tout
 Mr Iain Wanstall
 Ms Jane Wilson

1983

Mrs Amanda Ashby (née Horn)
 Mr Mark Binns
 Mrs Hilary Birt (née Cade)
 Dr Tim Brears
 Mr Simon Brickles
 Mr Phillip Corina
 Mr Patrick Cumming
 Mr Jeremy Featherstone
 Mr Ben Gamble
 Ms Nikki Graham
 Dr Emma Gray
 Mr Gary Guthrie
 Dr Rowena Hill (née Johnson)
 Mr John Hinton
 Mrs Claire Huckle (née Nelson)
 Mr Stephen Jennings
 Mr Jonathan Kingan
 Mr Bas Kundu
 Mr Ian Lewis
 Mrs Alison Logan (née Sheard)
 Dr Stephen Lord
 Mr Paul McCartney
 Mr Roger McDonald
 Mr Paul McMahan
 Ms Sarah Morris
 Ms Kate Murray
 Mr Bruce Neale
 Mrs Kay Pearson (née Newberry)
 Mr Philip Pearson
 Mr Mark Phillips
 Dr Kanchan Rege
 Professor Walther Schwarzacher
 Mr Chris Shaw
 Mr Tony Sherborne
 Dr Kevin Simms
 Mrs Tina Thomas (née Frost)
 Mr Warris Gianni

On 25–26 March 2022 the following were present at a Gathering:

The Master and Fellows

The Master, Douglas Chalmers
 Dr Alan Baker
 Dr Sarah Bendall
 The Revd Jeremy Caddick
 Professor Robert Henderson
 Dr David Livesey

Former Fellow

Professor James Davenport

Member of staff

Miss Nina Brookes

1973

Professor David Adams
 Dr Richard Bryan
 Mr Andrew Butters
 Mr Christopher Carr
 Mr Richard Chown
 Mr Leslie Crossland
 Mr Simon Farrow
 Mr Nick Fischl
 Dr Chris George
 Mr Jeremy Loynes
 Mr Ian Mashiter
 Mr Richard Maxey
 Mr Tom Parrott
 Mr David Phillips
 Mr Nicholas Prag
 Mr Peter Purdie
 Mr Peter Robinson
 Mr David Saville
 Mr David Taylor
 Dr Frederick Vitty
 Mr Kevin Watkiss
 Mr Geoffrey White
 The Reverend Stephen Wookey

1974

Mr Michael Blaylock
 Mr Charles Bott

Mr Brendan Brown
 Mr Eric Cook
 Mr Peter Counter
 Mr Cliff Dane
 Mr Robert Dore
 Mr Richard Fieldhouse
 Mr Peter Finlayson
 Mr Paul Fowler
 Mr Chris Hale
 Mr John Hamey
 Mr Chris Hammond
 Mr Michael Hardman
 Dr Paul Jennings
 Mr Simon Lang
 Mr Roger Lewis
 Mr Rory McGrath
 Mr Rupert Middleton
 Mr Stephen Mosley
 Dr Peter Norman
 Mr John O'Connor
 Professor Clive Osmond
 Mr Mark Ormerod
 Mr Bob Pattie
 Dr David Price
 Sir Robin Spencer
 Mr Brian Steemson
 Sir Stephen Timms

1975

Dr Gordon Aspin
 Mr Hamish Buckland
 Dr David Chapman
 Mr Paul Cooper
 Mr Iain Crossley
 Mr John Everard
 Mr John Forster
 Mr Steven Gilham
 Mr Tim Goodall
 Mr Keith Greenfield
 Dr Martin Illingworth
 Mr Tony Jeffrey
 Mr Chris Locke
 Mr Christopher Martin
 Mr Simon Newland
 Mr Alan Newman

Mr Keith Rushen
 Dr Paul Ryley
 Professor Tom Salt
 Mr Mike Turner

On 26–27 March 2022 the following were present at a Gathering:

The Master and Fellows

The Master, Douglas Chalmers
 Dr Richard Barnes
 Dr Sarah Bendall
 The Revd Jeremy Caddick
 Dr David Livesey
 Dr Kate Spence

Former Fellow

Professor James Davenport

Member of staff

Miss Nina Brookes

1989

Dr Neil Boynton
 Dr Victoria Brown
 Mrs Frances Button (née Adlington)
 Mr Guy Chambers
 Dr Jane Dennett-Thorpe
 Mr Ray Dogra
 Mrs Claire Edgar (née Murray)
 Mr David Evans
 Mr Matthew Evans
 Professor Daniel Freeman
 Mr Mark Gayfer
 Dr Boyd Ghosh
 Miss Samantha Glynne
 Mr Nick Grey
 Mr Matthew Griffiths
 Mr Jonathan Hancox
 Mr Patrick Hunt
 Miss Jillian Hurworth
 Ms Anna Jobson
 Mr Peter Kruppa

Mr Elliot Laurie
 Miss Sophia Linden
 Mr Graeme McPherson
 Dr Judith Matthews (née Mason)
 Dr Devesh Mewar
 Mrs Karen Nash (née Woolfe)
 Mrs Philippa Nesbit (née Dunthorne)
 Dr Howard Read
 Mr Simon Ryley
 Mrs Suzy Stephens (née Bowden)
 Mr Allan Taylor
 Mr Neil Thomson
 Dr Douglas Tulley
 Mr Peter Wake
 Miss Gillian Watson
 Mr John Weiss
 Ms Jo Woods
 Mr Simon Yates

1990

Mr Nick Allen
 Miss Judith Addley
 Mrs Abby Andrews (née Barnett)
 Mrs Faith Archer (née Dewey)
 Mrs Pamela Barker (née Staden)
 Mrs Diane Barnwell (née Chadwick)
 Mr Bob Brindle
 Dr Richard Clarke
 Dr Alison Cowan (née Taylor)
 Ms Ariane Crampton
 Miss Linda Dale
 Mr Robert Davies
 Mr Ruari Ewing
 Dr Pasco Fearon
 Ms Sarah Franklin (née Harper)
 Dr Polly Gillingham
 Mrs Nessa Green (née Hopfl)
 Miss Anna Gregory
 Mr Tristram Hambly
 Mr Richard Hardwick
 Mr Garrett Hayes
 Mr Thomas Heath
 Dr Rachel Hobson
 Mr Olly Hurd-Thomas
 Miss Emma Hyman

Dr Rachel Jordan
 Mr Stephen Jurgenson
 Miss Sarah Le Fevre (née Bradford)
 Mr Benjamin Lee
 Mr Damien Loynes
 Mr Ian McKenzie
 Mr Paddy Macmahon
 Miss Rachel Mace
 Dr Adrian Majumdar
 Dr Thamer Miles
 Mr Niall Murphy
 Mr Jason Noble
 Dr Caroline Pettigrew (née Jones)
 Mr Steven Poole
 Mr Jonathan Prentice
 Dr John Prowle
 Dr Mark Ransford
 Mr Thomas Rich
 Dr Anna Richards
 Miss Bella Saer
 Dr Lisa Sampson
 Mr Rahul Shah
 Mr Joel Silber
 Mr Simon Turner
 Mr Thomas Wade
 Dr Simon Woodbury
 Mr Dave Watson

1991

Miss Catherine Bann
 Miss Kate Barker
 Miss Esther Barrett
 Mr Morgan Bone
 Dr Matt Brown
 Dr Cathy Burton
 Ms Catherine Carlin
 Dr Joanna Carpenter (née Hicks)
 Miss Clare Copeman
 Mr Alan Cowan
 Miss Fiona Deans
 Mrs Emma Fry (née Leyland)
 Miss Jessica Halsey
 Mrs Pippa Heggie (née Thompson)
 Ms Henrietta Hill
 Mrs Clare James (née Cue)

Mr Nicholas Kind
 Ms Nicole Kleeman
 Ms Polly Lankester
 Mr Edward Leek
 Ms Vicki Lishman
 Mr Barry Mitcheson
 Miss Kristine Pearson
 Mrs Julia Paget-Brown (née Owen)
 Mr Tim Pirrie-Franks
 Mr Mini Rogers
 Miss Marianne Sampson

Dr Erik Sahai
 Ms Kitri Shah
 Mr Martin Sykes
 Mrs Jo Thomas (née Ware)
 Mr Andy Sheppard
 Dr Clare Turnbull
 Mr Peter Turnbull
 Mr Christopher Vincze
 Miss Jo Wallace
 Miss Ali Wilson

FUTURE GATHERINGS OF MEMBERS

Covid-19 led to the postponement of Gatherings in 2020 and March 2021, so the timetable for forthcoming reunions has been adjusted as below. Dates given against each Gathering refer to the year of matriculation and not of graduation.

March 2023	2008, 2009, 2010
September 2023	2000, 2001, 2002
March 2024	1992, 1993, 1994
September 2024	1984, 1985, 1986
March 2025	1976, 1977, 1978
September 2025	1967, 1968, 1969, 1970, 1971, 1972

Invitations will be sent a few months in advance of each Gathering to all members of the college who matriculated in the years shown, and for whom the college has a current address. If special circumstances mean that an invitation would be welcome to a Gathering other than the one for your matriculation year, please contact the Development Office.

Deaths

We are saddened to announce the deaths of many members and are very grateful to relatives and friends who have let us know. News of deaths received after 1 July will be recorded in next year's Magazine. The names are arranged in order of matriculation date and † denotes that there is also an entry in the Obituaries section. We would be glad to receive fuller appreciations of those whose deaths are only listed here so that we can publish an obituary in another year.

Douglas John Shone (1932)

Mom Rajawongse Tongtao Tongtaem (1933)

Denis Francis Hamilton Hunter (1936) – 16 August 1993

Donald Reginald Franklin Macdonald (1940)

Aryeh Leonard Newman† (1941) – 20 October 2021

John Gilbert Frankau (1943) – 2022

Brian Godfrey Luard† (1943) – 20 April 2020

Charles Peter Campbell (1944) – 31 August 2012

John Facer (1944) – 24 July 2022

Arthur George Morgan (1944) – 13 February 2022

John Alexander Bremner (1945)

Geoffrey Mawer Cooper (1947)

Roger Stanley Chapman† (1948) – 8 October 2020

Anthony Robin Blackwall Moulds† (1948) – 25 February 2022

Grahame Fermian Winfield Swan (1948) – 25 November 2021

Roger Percy Usherwood (1948) – 28 April 2021

William Owen Mavor (1949) – 14 May 2021

John Nevison Wilson (1949) – 15 January 2020

John Harrison Young (1949) – 2022

Bernard Francis Clive Burton† (1950) – 9 September 2021

David Arthur Ingham Goring† (1950) – 16 July 2021

Robert Michael Overton-Fox† (1950) – 22 October 2021

Eric Parrington Uphill (1950) – 22 March 2018

Peter Rodney Watkins† (1950) – 1 September 2021

Harry Henderson Boyd (1951) – 7 May 2022

John Edward Brant (1951) – 16 April 2022
Charles Richard Horrell† (1951) – 2021
Porter Martin Kier (1951) – 21 March 2022
Kenneth Leslie Litherland (1951) – 16 January 2017
John Lyon Maxwell (1951) – 16 December 2017
Antony Proudman† (1951) – 5 January 2022
Robert Neil Humphries Sackur (1951) – 18 March 2022
Robin John Seymour† (1951) – 27 March 2022
Hugh George Howard Stafford (1951) – 15 May 2021
Keith Harman Wallis† (1951) – 17 March 2022
Barrie Williams (1951) – 2021
Timothy George Booert† (1952) – 6 February 2022
Michael Lovibond Richardson† (1952) – 15 November 2021
Peter Goronwy Spencert† (1952) – 30 October 2021
John Anthony Magnus Wechsler (1952) – 25 July 2021
John Fergus Scott Anderson (1953) – 2021
Simon Ewen Crawley† (1953) – 17 March 2020
David Lawrence Frapet† (1953) – 20 March 2022
Anthony Wilfred Bradley† (1954) – 20 December 2021
Tom David Coates (1954) – 26 December 2021
Peter Holland Cox (1954) – 28 August 2021
Richard Travers Laurence (1954) – 16 June 2020
David Morris Thomas† (1954) – 27 May 2022
David Logan Lees (1955)
David Garbutt Barton (1956) – 23 August 2021
Richard Meyrick Clapp (1956) – 1 February 2021
Arthur Anthony Croker Poole (1956) – 30 July 2021
Robbrecht Anthony den Engelse (1956) – 31 August 2021
David James Hitchin (1956) – 6 July 2021
Jeremy Noel Thomas Howat (1956) – 3 February 2022
Michael William Welford Perrett† (1956) – 17 May 2022
Theodore Charles Stening (1956) – 7 August 2021
Shamim Saifullah Khan (1957) – 12 June 2022
Gerald Cecil Lalor† (1957) – 22 August 2021
Raymond Edward Thomas Long (1957) – 23 August 2019
Arthur Patrick James Preece (1957) – 19 August 2021

David William Dyson (1958) – 5 February 2022
Gordon James Iggleden (1958) – 2022
Robert Johnson† (1958) – 28 February 2022
David Kirby† (1958) – 7 October 2021
Peter Timothy Marsh† (1958) – 4 January 2022
Kenneth Reginald Thorpe (1958) – 20 July 2021
Rohan Harindra Wickramasinghe (1958) – 11 August 2021
Robert Anthony Jenkinson (1959) – 1 December 2021
Andrew John Farquhar Jones† (1959) – 15 February 2022
Peter Whittle (1959) – 10 August 2021
Richard James Slessor† (1961) – 19 November 2021
Edward John Carbrooke Burroughs (1962) – 6 April 2022
Christopher Blomfield Harrison (1962) – 10 January 2022
Roger Kay Matthews (1962) – 3 April 2022
David Murdoch Armstrong Campbell (1963) – 6 October 2021
Irvine Philip Gordon Allan† (1964) – 25 March 2021
Guy Costin (1964) – July 2021
John Richard Horner (1964) – June 2021
Peter Thomas Ashley Bower† (1965) – 1 March 2022
David Tudor Burton (1965) – 5 December 2021
Stephen Mackendrick Thompson (1966) – 27 July 2008
Harold Wilbert Hullah (1967) – 1977
John Drayton Pickles† (1967) – 9 January 2022
William Rhys Powell† (1967) – 23 March 2022
John Henry Ellicock† (1969) – 12 May 2022
Peter Hugh Skinner (1969) – 11 June 2022
Peter Francis Vigurs† (1969) – 18 February 2022
Eric Foot (1970) – 2021
John Nicholas Hornert† (1970) – 11 May 2022
John Michael Henneberry† (1971) – 28 July 2021
John McMullen (1972) – April 2022
John Henry Coates† (1975) – 9 May 2022
Sigismund Olanrewaju Lambo (1975)
Gerald Anthony Curry (1976) – 22 July 2021
Jonathan William Nicholas Nicholls† (1978) – 15 March 2022
Graham James Loveday (1979) – 12 October 2020

Michael Antony McPhillips (1981) – 17 March 2022

James Derek Smith† (1981) – 23 February 2022

Stephen James Burnell (1984) – 14 September 2021

Quentin Paul Vianney Fontana (1987) – 14 August 2021

Jonathan Paul Edward Preston (1990) – 14 November 2021

John Shelby Spong (1992) – 12 September 2021

Eileen Joy Sims (1985) – 12 June 2022

Joseph Michael Powell† (2001) – 7 July 2022

David Michael Palmer (2007) – 14 July 2021





Mespilus germanica,
common medlar



*Liriodendron
tulipifera*, tulip tree



Ginkgo biloba,
maidenhair tree



Koelreuteria paniculata,
golden rain tree



Platanus orientalis,
oriental plane



Sophora japonica,
scholar tree



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