

Emmanuel College

MAGAZINE 2023–2024



VOL CVI





Emmanuel College

MAGAZINE 2023–2024



VOLUME CVI

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 2025.

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/>.

General correspondence about the *Magazine* should be addressed to the General Editor, College Magazine, Dr Lawrence Klein, Emmanuel College, Cambridge CB2 3AP. The Obituaries Editor (The Dean, The Revd Jeremy Caddick), Emmanuel College, Cambridge CB2 3AP is the person to contact about obituaries. The college telephone number is 01223 334200, and the email address is magazine@emma.cam.ac.uk.

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.

Contents

vii Note on the Issue and the Illustrations

1 THE YEAR IN REVIEW

- 2 From the Master *by Doug Chalmers*
- 7 From the Senior Tutor *by Corinna Russell*
- 10 From the Bursar *by Catherine Webb*
- 14 From the Development Director *by Sarah Bendall*
- 18 From the Director of Emmanuel Experience *by Daniel McKay*
- 21 From the College Librarian *by Amy Leahy*
- 27 From the College Archivist *by Amanda Goode*
- 34 From the Chair of the Emmanuel Society *by Harry Hickmore*

37 VIEWS

- 38 ***The Gomes Lecture 2024***
- 38 The NHS of the Future and How We Get There
by Amanda Pritchard
- 54 ***Emmanuel Fellows Working in Medical and Healthcare Research and Teaching***
- 54 *Stephen Barclay* on Improving Palliative Care
- 56 *Andrew Conway Morris* on New Cures for an Ancient Problem, Pneumonia
- 59 *David Inwald* on Children's Intensive Care and Clinical Trials
- 62 *Muzaffer Kaser* on the Mental Health of Health Practitioners
- 64 *Matthew Seah* on Stem Cells and Osteoarthritis
- 67 *Nikita Sushentsev* on Approaches to Prostate Cancer
- 71 *Juliet Usher-Smith* on Risk Prediction in Clinical Care
- 75 Sixty Years of Cambridge Preclinical Teaching: Ten Years Receiving and
50 Years Dishing Out *by Richard Barnes*

81 *Emmanuel Histories*81 Cosmic Carvings: The Library Window Sculptures by *Amanda Goode*84 Winthrop Bell, Special Agent! by *Amanda Goode***91 *Emmanuel Experiences***91 Emmanuel College in the 1950s by *Geoffrey Halliday (1952)*92 Emmanuel Memories by *Michael Watts (1955)*96 Emmanuel in Antarctica by *Elena Cates (2019) and Finnian Robinson (2017)***105 NEWS**

106 Fellowship Elections

114 Fellowship News

114 News of the Master and Fellows

120 News of Honorary Fellows

124 News of Bye-Fellows

124 News of Benefactor Bye-Fellows

124 News of Emeritus Fellows

125 News of Former Fellows

126 News of Members

132 News of Staff

137 CLUBS AND SOCIETIES

138 Asian Cultural Society

139 Association Football Club

141 Badminton Club

144 Board Games Society

146 Boat Club

151 Christian Union

153 Classics Society

154 College Choir

157 Emmanuel College Students' Union (ECSU)

160 Film Club

162 Hockey: Memma

163 May Ball

165 MCR

168 Medicine & Veterinary Medicine Society

171 Music Society (ECMS)

- 174 Netball Club (Ladies)
- 175 Poker Society
- 176 Pool Society
- 178 Rugby Union Football Club: PESTRUFC
- 180 Sports Day: Emmanuel versus Exeter
- 182 Squash Club
- 183 Tennis Club
- 184 Thomas Young Club
- 186 Volleyball Club
- 188 Yarn Society

191 OBITUARIES

192 *Fellows & Former Fellows*

- 192 Brian Arthur Thrush
- 197 Christopher John Burgoyne
- 200 Robert Michael Henderson
- 202 Jack Arnold Lang
- 206 Deepak Jadon
- 209 Hugh William Dawes
- 210 Thomas Charles Buckland McLeish
- 214 Roy Pryce
- 216 John Franklin Ogilvie

218 *Members*

- | | |
|------------------------------------|------------------------------------|
| 249 Archer, James William | 218 Kirkup, John Robson |
| 284 Brooks, Henrietta Jane | 256 Laing, John Martin Kirby |
| 259 Brown, Philip Charles | 253 Lea, John Harold |
| 243 Day, Simon James | 234 Leffler, Christopher |
| 266 Dudgeon, Gerald Heath | 229 Mirams, John |
| 226 Evans, Charles Sydney | 238 Morland, James Patrick Gilmer |
| 227 Firth, Peter James | 244 Mountfield, Geoffrey Edwin |
| 229 Forrester, David Alton | 258 Orchard, John Charles Johnson |
| 261 Gilbert, Peter Sam | 251 Ortiger, Richard Henry Stephen |
| 271 Hancock, Timothy | 245 Phillips, Robert George |
| 280 Harmsworth, David James Edward | 262 Rice, Andrew Graham |
| 277 Hitchings, Russell Stephen | 269 Rothschild, Robert |
| 272 Johnson, Oliver William | 246 Rutherford, Paul Harding |

222	Tarris, Geoffrey John	232	Williamson, Charles James
241	Thurner, John Christopher		Francis Lloyd
219	Tillyard, Conrad Walter John	275	Williamson, Nina Rose
252	Turner, Michael Keith	248	Yarnell, John Roderick
223	Wheildon Brown, Timothy	264	Young, William Maxwell Benedick

286 LISTS

286 *The Fellowship*

286	The Honorary Fellows
288	The Master and Fellows
293	Emeritus Fellows
294	Bye-Fellows
295	Benefactor Fellows
296	Benefactor Bye-Fellows
297	Derek Brewer Visiting Fellows, 2024-25
297	Visiting Fellow
297	College Research Associates

299 *The College Staff*

301 *Academic Record*

301	Matriculations
311	Scholarships, Exhibitions and Prizes 2024
314	University Awards
315	Degrees

320 *Members' Gatherings*

320	Gatherings of Members
324	Future Gatherings of Members

325 *Deaths*

Note on the Issue and the Illustrations

Emma evolves, and this year's *Magazine* offers some evidence of that. The *Magazine's* main sections remain the same but there are telling variations that indicate change. In *The Year in Review*, four of the officeholders are reporting for the first time: Corinna Russell has replaced the late and much missed Robert Henderson as Senior Tutor; Catherine Webb has replaced Mike Gross as Bursar; Amy Leahy has replaced Helen Carron as college librarian; and Harry Hickmore has replaced Nicholas Allen as chair of the Emmanuel Society. In the 'Emmanuel Experiences' section of *Views*, we are used to reading reminiscences by members from the middle decades of the twentieth century; this year we have a report from two recent graduates about an Antarctic adventure with an Emmanuel point of origin. In *Clubs and Societies*, along with the old mainstays (from Association Football and Boat Club on), new collaborative initiatives have appeared, from the Asian Cultural Society to the Yarn Society.

The *Magazine* is a multi-faceted portrait of a dynamic institution and a repository of college history. It also offers readers the opportunity to learn more about what Fellows do in their lives as researchers. This year we took a cue from the Gomes Lecture, printed here as usual. It was given by Amanda Pritchard, chief executive officer of NHS England on the future of the NHS. This was a fitting opportunity to invite a number of the medics associated with the college to write an account of their research and work in medicine and healthcare. The topics cover palliative care, prostates, pneumonia and paediatric intensive care, among others. In addition, Richard Barnes, associated with the college for six decades, reviews his experience of 60 years of preclinical medical training.

Emmanuel people love the college and think of it as a place of great beauty. They are often thinking of the college's buildings and gardens. However, the aesthetic pleasures of the college are often small and inconspicuous. In this issue, for cover and section photographs we focused on these lesser beauties. The identity of some of them will be obvious, but a few are mostly hidden from view.

The front cover shows the pipes of the chapel organ; the inside front cover shows the duck head of the Head Porter's cane; the back cover shows some of the door hardware in North Court; and the inside back cover shows the stonework of S staircase, again in North Court.

As usual the editors are indebted to many students for their contributions about clubs and societies, Fellows for their reports and members for their memories. Many of the college staff assemble or correct material comprising the contents. Most notably, Carey Pleasance in the Bursary organises the obituaries. Others who have contributed materially include: Eve Cooley, Sonia Fresco and Anna Osipova in the Tutorial Office; Anna Battison and Michele Warwick in the Bursary; Mary Longford in Communications, Conference Manager Harriet Carey, Head Porter Stephen Montgomery, Head of Catering Matt Carter, and Head Gardener Brendon Sims. Finally, many members of the Development Office provide aid and information in the *Magazine's* production, including Jack Cooper, Claire Cosgrave, Diana Ewbank, Samantha Marsh, Linda Thomson and Chris Totney.

Lawrence Klein, *Editor*



The Year in Review

From the Master

I write this as my third year as your Master comes to a close: a significant milestone, as the majority of undergraduates who matriculated with me have now graduated. And, having shared their journey, I now have a more complete sense of how this place advances students academically while developing them for what follows in their life.

My overriding reflection is that the changes observed in our students from matriculation to graduation have been simply remarkable and that the college, through its particularly personal approach, has been a key reason why. The time-proven model of engaged student, Director of Studies and Tutor still works incredibly well. And for us it is enhanced by being placed within a community that is the right size for people to belong to and connect with in a physical place that helps those connections grow. The range of extracurricular activities and opportunities available strengthens those friendships, while providing our students with invaluable experience of working with peers.

None of the above is a surprise, and this *Magazine* records many of the stories and characters involved. But I would argue that the impact of the pandemic on those who have just graduated, not forgetting that they joined us from a very disrupted sixth form (and that is an example of British understatement), stripped things back and reminded us of the core elements supporting and underpinning each individual's academic journey while preparing them for what follows. The overwhelmingly successful outcomes that we have just witnessed prove that Emmanuel College continues to develop people well. Really well.

But such outcomes are also not a given. We cannot be complacent. They rely on engaged people who care, and a lot, lot more to get the alchemy just right. Navigating requires steady, insightful hands and this year we lost two Fellows who were such people. Both were deeply engaged with students until their untimely deaths: Professor Robert Henderson, our Senior Tutor, and Professor Christopher Burgoyne, the godfather of our engineers. Their years of counsel, leadership and

example have set a legacy for us to live up to, and we will. I personally will never forget Robert's wisdom, patience and unsung kindness to others. His description of Emmanuel as a college that was particularly personal captures us well and, as you will note from this and other articles, one that is now a core part of our narrative when asked to explain ourselves to others. Later in the *Magazine*, you will find tributes to both, along with those to others who played key roles in our college over the years: Professor Brian Thrush, Dr Deepak Jadon and Jack Lang.

Dr Corinna Russell, who was Robert's deputy, stepped up immediately and, after a formal appointment process, was selected as our next Senior Tutor. Having been a Fellow for over 20 years she knows the college extremely well and understands what is required to deliver our particularly personal approach. She has the steady, insightful hands required to steer us into the future. I commend her article, next in the *Magazine*, to you.

A more gradual change that has been growing over the past years has been undergraduate summer research project opportunities. Some years ago, Robert negotiated for Emma students to join the Harvard summer programme for research in science and engineering, PRISE. Recent years have seen seven or eight going across for nine weeks every summer. A similar relationship has developed with Williams College, with at least two students being invited to join a summer programme, SMALL, an acronym of the faculty founders, to investigate open research problems in mathematics. Next year we will be sending a couple of undergraduates to the Chinese University of Hong Kong (CUHK) for summer research placements. These research internships stimulate academic thought and growth while enabling students to explore whether a career in research is for them. This is an invaluable use of their time given the choices that lie in front of them. All of these opportunities have been enabled by gifts and we will keep looking for chances to establish more as part of our push to make internships more accessible.

With those opening thoughts, it is time for me to turn to the year in review. As a year, it built on the momentum of the previous one during which much of the impact of the pandemic was shaken off. As you will read, it has been a busy and successful one.

Freshers week always sets the tone, and this year's was very ably steered by ECSU and the MCR, who ran comprehensive freshers' events, while college 'parents' made every effort to ensure that those who came up felt welcome and familiar with college life. Together, they set up the year very effectively, with those coming up becoming part of our community quickly. As impressively,

the organisers reviewed how it had gone and, in consultation with our Senior Tutor, ensured that the programme for 2024–25 was tweaked to take account of those lessons.

It was also a year in which extracurricular sports continued to gain momentum. The Boat Club has sustained its attractiveness, with more than two-thirds of freshers crossing the foot bridge at least once and eight boats racing in May bumps. Lacrosse, netball, hockey, tennis, badminton and volleyball, to name but a few, are all active once again, with our lacrosse and netball teams winning Cuppers. These successes have been several years in the making. There are many articles later in the *Magazine* that will bring you the inside story.

We continue to recognise those who won Blues or Half Blues, and there were a lot, over 40, across the sporting field. The individual level of their sporting talent is remarkable and their time management arguably even more so. (And it's worth noting at this point that an Emma member, Freddie Davidson, won a bronze medal at this year's Olympics in the men's coxless four.)

It was also a year in which we started to see more student-run societies being established, the Poker Society being but one example. Our initial concern over such a society was eased when we realised that it was being run by a group of our mathematics undergraduates who were keen to teach others how to play in a structured way. They did so in the new underground function space, the 1980 Crew Room, proving my comment of last year that our students will use these spaces in ways that we cannot anticipate! When matches were played, the stakes were controlled in a manner similar to that of our in-house student quiz masters, who tended to use the new bar.

On the Fellows side, it has been another incredible year for much of their research: articles to come evidence that claim. I continue to recommend strongly that you read them in one go. That way one gets a feel for the range of research being undertaken here and why colleges play such a key role in interdisciplinary connections and collaborations within the university ecosystem.

For me, the other source of insight and advice has continued to come from our members. It has been a joy building and deepening relationships with members around the various lectures, recitals and dinners, and by correspondence. Travelling with Sarah Bendall to meet members in numerous cities far from Cambridge is always both informative and enjoyable. The strength of connection that people feel with Emmanuel remains striking. The stories are all different, but they help us build a sense of what made a difference to them while they were resident, and what matters to them today.

This year saw a very well attended lawyers' dinner in London, the first since the pandemic. As an event it brought together Emma lawyers from across the generations with current law students. In many ways it captured the intent of our Emmanuel Society, which puts on a range of such events, all advertised in *Emma Connects*. The Society is run by a committee who are engaged and passionate about strengthening friendships and the wider Emma network, while finding ways to help our current students explore potential careers. This year saw Nick Allen pass the leadership baton of the committee to Harry Hickmore after ten years. To say that we are grateful for Nick's leadership of the Society, through the pandemic and a lot more, is an understatement, to say the least. I learned a lot from watching him. Harry knows the committee well and has been spending a lot of time listening to members as he settles in. His article, later in the *Magazine*, captures his initial observations and thoughts.

It has also been the year in which Furness Lodge and Young's Court have been in full and constant use. Indeed, this year's freshers do not know of a time when these spaces were not available. The architectural design and brickwork continue to inspire and the spaces within them are well used, occasionally in innovative ways as mentioned earlier. What has also become clearer is that the centre of our 'hive' is now firmly in this part of college, unsurprising given the density of accommodation, the library, Fiona's, the bar and function spaces. Adding to this list next year will be a set of community gardens at the back of Park Terrace, an initiative brought together by Brendon Sims, our Head Gardener, to provide a growing space for students, Fellows and staff. It is already proving popular. Articles, such as the ones by Sarah Bendall and by Brendon Sims, later in the *Magazine*, will bring these places and initiatives to life for you.

The responsibility of making all of this practically possible remains with our Bursar. Catherine Webb is now well established and has nearly completed her review of our financial, administrative and operating functions: her recommendations so far have now been endorsed by our governing body. Those recommendations will enable us better to navigate the fiscal environment, which is becoming ever more challenging, while putting in place processes to start holistically looking at how we make our site more sustainable for those who follow. Her report brings all of this and much more to life for you later in the *Magazine*.

The world is continuing to change fast and we will need to keep adapting if we are to remain in the vanguard of Cambridge colleges, so I will close with a quick word about our future direction of travel. Emma Evolves, the development narrative for our college, has advanced since I first introduced it to you last

year. As you may recall, at its core are three big ambitions. The first is centred around the individual journey. We are pursuing it by progressing our reputation for accessibility, inclusion, support and academic excellence. This is our priority and one that our Senior Tutor is leading through a multi-phase tutorial review. The second concerns increasing the frequency of collaborations that foster the generation of new knowledge. This cannot be forced and must be organic. But we can engineer the serendipity that lies at its heart by providing more opportunities for interdisciplinary connections to occur within our academically diverse community: this is exactly what we are starting to do. For example, our postdoc community grows again this year, with clusters from the many Cambridge research centres focused on sustainability; connections with other groups, such as the Cambridge Conservation Initiative, are deepening. The third is to optimise all our facilities for the future world. Our intent is to advance this ambition by ensuring that we maximise the availability of our spaces, ensure that the technical tools required for collaborative and global research are on hand, and add to or update our extracurricular facilities: all in a sustainable way for those who follow. We know that we must be good ancestors. The first step, which will take place over the coming year, will be a period of consultation to identify, and prioritise, our physical requirements. The following years will define location and design before moving into a building plan that will probably be phased.

I hope this account will have given you an overview from the Master's Lodge. Enjoy the rest of the *Magazine*.

Doug Chalmers, Master

From the Senior Tutor

One of the unexpected pleasures of being Senior Tutor is the licence to go about and listen to many different stories. On any given day I have an excuse to ask a student pushing their bike through the gate what kind of a morning they have ahead of them, or to find out from the Porters' Lodge or the front-of-house catering staff how an event went last night. Directors of Studies tell me over lunch or tea what's on their minds, and the wider membership of the college share experiences from their own time in residence. It's a brilliant kind of entitlement for someone who *might* be turning into her mother.

One question for the receiver of all these stories is what they are telling me about Emmanuel as a community and a place of learning. As a self-determining body of the collegiate university, we have the privilege of selecting and admitting scholars on the basis of something more than a paper application. We all understand by now that the interview is by no means perfect as a selection tool, but one persuasive argument for its retention is the opportunity it provides, when adequately conducted, for an individual to be heard in their own words. Directors of Studies have a vested interest in hearing stories of passionate and tenacious engagement with the subjects they, too, love. Admissions Tutors prick up their ears for evidence of achievements heard against the background noise of circumstances. In 2024–25, as Emmanuel returns for the first time in five years to an admissions round conducted entirely in person, on the college site, we have the chance to resituate the interviews in something closer to our small-group teaching scenarios. The decision to do so came out of a consultation and vote by Directors of Studies, many of whom were motivated by the need for more agile and collaborative problem-solving exercises within the interview, as well as by concerns over rapid developments in AI and their implications for the integrity of the process. Feedback from those interviewed either online or in person at other colleges in recent rounds also indicated a broad preference for coming to Cambridge on the day; it was interesting to note that this was more marked among those from backgrounds not traditionally represented at the university. We're just beginning to recollect the immense collective effort that an in-person round represents, and the demands that it makes on every department of the college. This time next year I'll be able to tell you the tale of how it all goes this December.

Of course, the stories don't end with admissions. We do our best to ensure that applicants with ability and potential, regardless of background, 'get in', but how do we know that they're 'getting on' once they're here? Here, too, there's no substitute for an environment in which individuals are known, and accepted, as themselves but are also expected to continue to grow. Every year the staff and Fellows who assemble on Front Court to applaud the graduating cohorts processing out of the gate are marking progress made since arrival; often they will be catching the eye of a particular student, part of whose story they've shared. This is the kind of personal connection without which nobody thrives, but sometimes it's also helpful to set a different kind of account alongside these individual stories. Colleges and departments are increasingly well supported by the university in accessing information about the progress of each cohort of students, anonymously organised according to subject and year of their academic course, but also by gender, ethnic heritage where this has been disclosed, any disabilities declared at the point of matriculation, school type and age group. Where my forerunners in the Senior Tutor's office might have consulted informally circulated tables to compare exam results with other colleges, the university's Tableau server offers a high-level representation by which we can visualise any emergent patterns that tell us who may or may not be 'feeling the benefit' of their time at Emmanuel.

The university's most recent access and participation plan for 2025–29, approved by the Office for Students, commits to improving outcomes, from admissions to assessment to career progression, for students from groups where there are 'awarding gaps', or stark differences in the measures of academic and professional success. Here at Emmanuel, we have begun examining current evidence for what works in addressing these gaps in attainment, and asking how the very specific teaching, learning and welfare environment of a college might make a difference. As the narrator of George Eliot's *Middlemarch*, still one of the greatest guides to a community that has both provincial and wider significance, puts it: 'there must be a systole and diastole to all inquiry', a movement of attention between a focus on the local and individual, and on the broader horizon of events and social pressures. A college, positioned as it is between the stories lived by every one of its members and the larger narratives playing out in higher education, ought to be better able than many institutions to move between those planes of inquiry.

My immediate predecessor in this role knew well how to maintain that 'systole and diastole' between the particular and the general, though I suspect he'd have taken a dim view of such literary appropriation of anatomical terminology. Robert

Henderson always worked with the fair-mindedness that comes from an equitable oversight of all the available evidence, but his dealings – and his story-telling – never lacked attention to the untidier circumstances in which community life is lived. What we often call anecdote is typically a combination of circumstantial detail with a sense of its wider significance: Robert was a great anecdotalist. In his piece for this *Magazine* last year, he related a story about his first breakfast in a Cambridge college as a postdoc and remarked, 'Anyway, I am still here, 35 years later'. I'm not sure I'll ever quite get used to him no longer being here but he's undoubtedly, happily, part of our story.

Other changes have continued throughout the year: as we stand ready to welcome a new batch of Research Fellows, we wish farewell to Peace Atakpa, Harvey Dale, Timothy Glover, Joseph La Hausse de Lalouvière and Ingrid Ivarsen as they come to the conclusion of their Research Fellowships. The tutorial office has said goodbye to Marion Dorkings after over 22 years as a lynchpin of the team, and to Anna Osipova, whose steady hand as college registrar had navigated many complex processes on behalf of the students. In the admissions office, Lesley Shaw, a right-hand woman through 22 years of careful decisions, has taken her well-deserved retirement. Over 40 incoming first-year students took the trouble to write her a card to thank her for her support and wish her a happy next stage. This bodes well for their presence in college and speaks volumes of her contribution to their stories.

Corinna Russell, *Senior Tutor*

From the Bursar

The year started with students moving into Young's Court for a full year for the first time. Thankfully there has not been too much snagging needed to the residential accommodation, which is proving to be popular with them.

Michaelmas term saw the appointment of the new student bar managers and the election of new ECSU and MCR committees. This year we signed a cooperation agreement with ECSU, which aims to underpin relationships between college staff and the ECSU committee. Prompted by feedback from students we have improved our communications, with the Senior Tutor and me sending regular updates during term. We have also introduced a very well received new prescription repayment scheme, created a new quiet space and improved facilities in the reflection room.

Over the year we have been working to get our systems and processes right. I am close to completing the review of the college's administrative processes that the governing body asked me to do in my first two years in post. As a result, the Fellowship have agreed that I should appoint a director of operations, who will take on some of my line management responsibilities and create some extra senior resource to take on some of my day-to-day responsibilities and deliver on the governing body's desire to create a more resilient structure that will lead us into the future.

The HR team have already rolled out a new HR and payroll system to the college, and we have started a project to replace our end-of-life financial system. We know that getting one bill at the end of term, including rent and all meal charges, makes it difficult for students to budget, particularly given the increased cost of living, and we want the new system to offer more flexibility to students, including being able to pay as they go.

This year for the first time we asked students, staff and Fellows to complete an IT satisfaction survey. We had a great response rate, and it was evident how much appreciation people across the college have for the work of the information services team, including their prompt responses to queries and the effort they put into resolving any problems. The findings have fed into a review that the university information services are doing of the IT services and support offered by the college.

Over the last year we have recruited a new health and safety officer, who has been streamlining our processes and upskilling our staff. As far as I know, he

has not yet had a chance to do a risk assessment of the Fellows' rowing boat, which after a 20-year hiatus is now having regular outings from the boathouse and participated in the town bumps! There have also been several changes to the Porters' Lodge this year, and the team have faced a number of challenges with professionalism.

The opening of the swimming pool at the start of Easter term was delayed by the phenomenal amount of rainfall in Cambridge in spring and early summer. The maintenance department have done a fabulous job in restoring it, which looks beautiful and is getting very well used by all parts of the college community. Given the increasing popularity of cold-water swimming, we are considering keeping it open for the start of Michaelmas term 2024.

One of the final events of the academic year was the May Ball. We were fortunate that the committee were impressive, and took a responsible and diligent approach to the organisation of the event. I didn't attend as I prefer to be well rested just in case something goes wrong, but I received excellent reports from those who did.

Towards the end of the term, we opened our new community garden at the back of Park Terrace, which was inspired by the Head Gardener and who successfully bid for funding from the university. A member generously helped with the materials for the raised beds we created. The whole garden department have worked together to design and build the garden, learning lots of new skills in the process. We hope this will become another space where students, staff and Fellows can all meet together, a space that will enhance the wellbeing of our community.

As we approached the end of Easter term, the last governing body of the year was a key milestone for me as it is the meeting that approves the college's estimates for the coming year. Emmanuel is very fortunate compared with many other UK universities and indeed other Cambridge colleges. The bursary team have been able to maintain a strong and sound financial position throughout the year. But even so, the combination of fees that are fixed in nominal terms with increased costs has started to bite. We know that we have big new costs on the horizon as we start to consider the exciting challenges of making our older buildings as sustainable as possible and to consider how best to redevelop the area to the back of Park Terrace.

Once term had finished, the college rapidly shifted into conference mode, as we seek to earn an income to enable us to continue keeping costs down for our students. The conference business has been slow picking up after Covid, but

thanks to the work of our conference office this year, we have seen a welcome increase in bookings. This has meant that the transition from a place of study to a place of conferences has needed to be remarkably fast. I'm very grateful to the household department who have worked together to make this possible, even when at times it has felt like an impossible task.

We have also been completing the final stages of our new website, and by the time you read this, we hope it will have been launched. This work has been led by our communications officer, who has done an excellent job of working with the designers and web developer to ensure we have a product that better meets the needs of potential applicants. All existing services will be retained for Emma members, who should be able to access these seamlessly.

The work to refurbish Old South Court (or South Court, as it was known in my day) has continued apace over the summer and work on the first staircase will be completed in the autumn. I know that Old South Court can be a bit marmite, but its fans might like to know that the buildings manager has taken an approach that brilliantly retains and enhances the original features, while getting it ready for the future by connecting it with our new ground source heat pump. L staircase will be refurbished next, and in preparation for that the household department have been busy over the summer moving the Fellows who are currently based there.

Looking towards the next academic year, we have been setting up dates for the committees that ensure the smooth running of the college. Last year, our committee and accommodation manager attended and prepared papers for 50 committee meetings and produced approximately 68,000 words of minutes! Going into next year, we are making some changes to our governance, with the creation of a sustainability committee, which will oversee the development of the college's sustainability plan, and the separation of the finance and investments committee into two separate entities to ensure that we have the right focus on these important issues. To ensure our decision-making is as robust as possible, next year we will also be bringing members of our wider community onto some of our governance committees.

As the year draws to a close, I want to thank Brendon Sims, Lizzie Shelley-Harris and Harriet Carey, who will be stepping down as chairman, treasurer and secretary of the staff association at the end of the year. The staff association is a valuable forum for bringing staff together from across the college, and I'm looking forward to working with the new committee next year.

Finally, I want to mark the achievements of Thomas Jeffery (announced in last year's *Magazine*), Annette Gibson and Diana Lloyd, who have all received 25-year

long service awards. I also wanted to mark the retirements of three members of staff, Marion Dorkings, Christine Willis and Helen Carron, who between them have racked up more than 70 years of service to the college. It is thanks to the tireless contributions of staff across the college that we can offer such a personalised and high-quality experience to all of our students.

Catherine Webb, *Bursar*



From the Development Director

Sir Walter Mildmay and his reply to Queen Elizabeth I that 'I have set an acorn which, when it becomes an oak, God alone knows what will be the fruit thereof' has been very much in my mind this year. I have been working out routes for showing donors all they have helped us achieve in the development between South Court and Park Terrace; whichever way we walk round, we always stop to reflect on the beautiful lettering by the Cardozo Kindersley workshop that greets those entering through the pedestrian gate on Park Terrace. I normally leave through this entrance on my way to the railway station, and Mildmay's words stay with me during conversations with members and donors across the country. Then the discussions often move on to address the question, 'what's next?': what type of oak will Emmanuel be in the decades to come?

I always enjoy showing visitors round and hearing their thoughts as we tour the new facilities. I often start in Fiona's café where, in term-time and vacation periods alike, there's normally a range of people working, chatting and relaxing. Students, Fellows, staff and Emma members can all be found there, enjoying the light, airy space, the views over Chapman's Garden, Tyler's Garden and, of course, the coffee. The next time you're in Emma do look at the sundial in Chapman's Garden, again by the Cardozo Kindersley workshop, with the quotation from Julian of Norwich, 'and all shall be well and all manner of thing shall be well', that was given to be enjoyed from the café.

We then head to Young's Court, passing those working in the new individual study spaces and pausing to admire the stunning photographs of the oriental plane taken by and given to us by Scott Mead (1977). Young's Court attracts many favourable comments: guests like the bricks and the way the court feels contemporary but at the same time blends in with its surroundings. The gardens are maturing well and it has been exciting to see how they reflect the seasons: I hadn't realised that so many spring bulbs had been planted there. After admiring the new meeting rooms and the new MCR in Furness Lodge, we end up with the social facilities: the new bar – again, normally much admired – Mike's with its pool table often busy, and the 1980 Crew Room below, which is a popular venue for a range of events. Strains of music often accompany us from

the practice rooms above. There's a general feeling that the current generation is very lucky.

As we walk round, we talk about all that the new facilities have made possible. I have recently been proofreading the *Emmanuel Review* and this year's edition gives examples of how Emma Enables is making a difference. Thanks to your generosity, we have doubled our access and outreach team, who can now think over a longer term and work out how to raise both aspirations and attainment. The Emma Experience programme is developing well, providing opportunities to learn new skills, to enhance wellbeing, to think about one's place in a community and to explore careers. The Emma Enterprise competition started very well this year and we're looking forward to running an enhanced programme next year, focusing a little more on the educational benefits of taking part in forming a plan, putting it together and persuading others to support it. The new college research associates – postdocs – are becoming a key part of our community. We're looking forward to welcoming the next cohort in Michaelmas term.

On our return to Front Court, we pass the back of Park Terrace. The new community gardens taking shape there are often of interest; guests tend to ask how they'll be managed and the answer is 'by those who use them: we'll see!'. This part of the college needs attention: the most striking features of the area are the coach houses and outbuildings that form part of the Regency range of buildings, and they form a key part of our thoughts about the future.

Building on all that Emma Enables has achieved, we are now developing Emma Evolves which, similarly, will focus on three main areas. First, Emmanuel is a place of education, learning and research, and it is essential for us to concentrate on enhancing our particularly personal approach to the journeys of students, Fellows and staff. We must ensure that all can develop and flourish, academically and socially, and be able to make a difference both to life in Emmanuel and also to the wider world. Secondly, we will foster the generation and impact of new knowledge: we've made a start with welcoming college research associates and the enterprise competition, and there's much more we can do to 'engineer serendipity', as the Master describes it, and to work with the local Cambridge community.

And finally, as with Emma Enables, all of this has to be underpinned by ensuring we have facilities fit for the future. The new accommodation in Young's Court, and social facilities in Furness Lodge, in its extension and in Fiona's are a tremendous help, but there's always more to do. We must ensure that we're doing all we can to live in an environmentally friendly way, which is a challenge with historic buildings: we've made a start this year thanks to two of our research associates offering us the

chance to use Emma as a case-study for the Master's in the built environment that they run. The coach houses provide a wonderful opportunity in an ideal location to provide interdisciplinary meeting and working spaces, facilities for wellbeing and recreation, and even, possibly, more accommodation for guests and part-time graduate students. We're already talking to the architects who helped us with our master plan a few years ago about updating that and guiding us with what might be feasible in terms of buildings and planning. During the coming academic year we'll be drawing up a list of priorities so that we can then commission professionals to work with us to come up with a scheme.

There will be many opportunities for members and friends to join us in helping to realise this vision and we'll let you know more as our plans develop. In conversations, many people have expressed an interest in doing so and several already are. In the past year we've received donations and pledges of close to £4.9 million from nearly 1600 donors and we thank everyone most warmly. Over 1000 of our supporters are donating regularly, and these monthly or annual gifts provide us with a firm foundation from which to talk to others: all gifts, of whatever size, make a difference and 90 per cent of donations were under £1000. Legacies have also played a big part this year, with £1.34 million coming from those who decide to help the generations who follow.

We have been thinking hard in the Development Office this year about how we can best help the college realise its vision. Some of this of course relates to fundraising. We're keen to ensure we say 'thank you' as well as we can and to demonstrate the difference your support is making. So we're looking at how we report on the use of gifts, the events we hold for donors, at personal approaches through meetings and phone calls from students, and at the role of mailings. We also need to make sure that options around legacies are clear.

However, we're all members of the Emmanuel family and we're keen to strengthen and develop this in myriad ways. Several members help with their time, whether this is through giving careers advice (and this is an area we are developing), through service on the Emmanuel Society committee or our US 501(c)3 board, or through providing expert advice in particular areas. Our events programme remains very active and we want to ensure that those members who don't live near Cambridge or London can also feel connected and part of our community; it is always lovely to see an international audience at our meetings and talks on Zoom. Many members keep in touch with Fellows too and this year I particularly miss the counsel, wisdom and friendship of Robert Henderson, whose untimely death as Senior Tutor shocked us all.

The Master, his wife Helen and I have visited several countries this year: Hong Kong, Singapore, Sydney and Dubai in September; Harvard in October to represent Emma at the inauguration of the new President – we were the fifth oldest institution represented and without us, there would be no Harvard and no inauguration! – and we'll be on the East Coast of the USA this September. Everywhere, we held parties for Emma members and their families and enjoyed putting different generations in touch with each other. In addition, I visited Zurich and Geneva in May. Closer to home, we held a dinner in Liverpool in October and several events in London, and we are looking forward to visiting Edinburgh this autumn. Harry Hickmore (2011) has succeeded Nick Allen (1990) as chairman of the Emmanuel Society; we're hugely grateful to Nick for all he's done for many, many years, first as a committee member, then as secretary from 2003 and, since 2013, as chairman. We miss him, but Harry has made an excellent start and there's plenty in the offing.

Emma Connects, our fortnightly email, is very popular and I'm often asked, anxiously, for confirmation that it will continue. I can assure you that it will! Do make sure we have your email address if you aren't receiving it: it is a good way to keep up-to-date with college news and events. But the printed publications – newsletter, *Emmanuel Review* and *College Magazine* – are very much part of our communications programme; we don't want anyone to miss out.

Please do stay in touch and please come and visit when you can. Evenings at High Table are popular, either after a college event such as a lecture or music recital, or with a group of friends, or because you are in the area. Do let us know if you'd like to join us: the more notice we have the better and we'll do our best to accommodate you. As a member, you dine as a guest of the college; you are welcome to bring someone with you, for whom there is a charge. There isn't High Table on Saturdays, or on Sundays outside Full Term.

Our role in the Development and Emmanuel Society offices is to nurture college acorns and help them mature into Mildmay's oaks. You might be in touch with Claire Cosgrave (head of department), Jack Cooper and Chris Totney (events and communications), Holly Freeborn and Samantha Marsh (donor relations), Lizzie Shelley-Harris and Linda Thomson (data), or Diana Ewbank (my personal assistant) or me. We couldn't exist without you and we look forward to hearing from you.

Sarah Bendall, *Development Director*

From the Director of Emmanuel Experience

There's a palpable air of concentration in the Scriptorium. The presence of others is reassuring in the shared but separate endeavour of study and writing. Ideas beget words. Words follow words. Pen meets paper. Thumbs clack keyboards. Coffee is oft replenished and there is scant evidence, save a scattering of crumbs, of recently demolished scones. This is no congregation of the medieval monks from the Dominican priory who first inhabited the site where Emmanuel College now sits, but the weekly gathering of undergraduates and postgraduate students and the occasional Fellow for writing in silence together.

Scriptorium is one of the more popular initiatives of the Emma Experience programme. It has met through all seasons and in all weathers, the numbers swelling through Easter term and dwindling to a dedicated cabal on languid summer days. Whether the stern clergymen hanging on the walls are looking on encouragingly at the toil, or at the cakes below, remains in doubt. What is clearer is that the Emma Experience programme, now at the end of its second year, and first full academic year, has begun to establish itself in the rhythms of college life.

Emma Experience is still in start-up mode as we continue to experiment and to explore the best ways to fulfil our mission of encouraging and enhancing our four priorities: wellbeing, community, skills and careers. Our innovative co-curricular enrichment programme is tailored to meet the unique needs and spirit of the Emmanuel collegiate community. It is designed to complement our academic studies by educating the whole person, focusing on skills, perspectives and experiences that help our students and the college thrive. When the alchemy proves successful, the results are magical.

A key focus of our wellbeing programming has been to promote healthy habits. Throughout the year, we have hosted weekly personal trainer-led fitness sessions, guided workouts in the college gym, and the perennially popular candlelit yoga sessions. Frequent visitors have included our member Dr Gin Warren (1978), currently doing more postgraduate study, and her dog Delyth, who have generously donated their time to bring cheer to the entire college community. Other wellbeing initiatives have included sessions on improving sleep, nutrition for brainpower, mindfulness for managing study stress, and our first Digital Lent:

a collaborative campaign working with the Dean, assistant chaplain and chapel community to encourage college members to reconsider their relationship with technology and to be more mindful of how they spend their valuable time. We met several times in the Dean's set to reflect on our progress.

Our programme also aims to help students situate themselves and their studies within the broader contexts of our college, local and national communities. We have organised successful termly tours of the college gardens, led by Head Gardener Brendon Sims and his team, as well as local visits to see the special collections at the University Library and the Fitzwilliam Museum. A walking tour of Cambridge's women's history was another highlight. Early in the year, we were fortunate to take a group of students to tour the Houses of Parliament, where we had the opportunity to meet and speak with Lord Wilson of Dinton and Lord Parkinson of Whitley Bay (2001), resplendent in his Emmanuel tie, in Westminster Hall. We concluded the year with a volunteering day at Anglesey Abbey, working in the gardens. Additionally, there has been a strong lineup of talks, covering topics from the Puritan history of Emmanuel (Eloise Davies) to the adventures of ageing (William Randall).

From language learning to masterclasses on managing money and even water safety, we have sought to enrich opportunities for skill development at Emmanuel. Our skills programme included weekly lunchtime conversation tables in French, German and Spanish, led by students and bringing together undergraduates and postgraduates in the Hall. Whenever possible, we have drawn on the diverse talents of our members. For instance, alongside one of our weekly Scriptorium sessions, we welcomed back member and novelist James Aitcheson (2003), who led a masterclass on applying creative writing techniques to academic writing and offered one-to-one appointments with students to work on their writing. Other members who returned included Resham Kotecha (2007) to share her insights into public speaking and interview skills and Charles Dowding (1977), who led a workshop on his pioneering no-dig gardening techniques in the Paddock and delivered an eye-opening talk to a full lecture theatre.

Given the journeys of our students, careers programming has been an especially important aspect, culminating for the second year in Finalists' Day, filled with inspiring and practical talks about purpose, managing money, careers and advice from members on the next steps after leaving Emmanuel. The day was capped with a tremendous panel of recent Emma members, including Harry Hickmore (2011), the new chair of the Emmanuel Society, Leila Denis (2017) and Sabrina Singh (2017).

Finally, this year we welcomed Fiona Nunn as our inaugural Emma Experience deputy director. Fiona joins us from the University Careers Service, bringing with her extensive experience in business and higher education, particularly in careers and learning and development. Her weekly career coaching sessions, 'Fiona in Fiona's', held in the new college café, have already been invaluable to many students who have sought advice or discussed their future plans. Next year, she will be leading the Emma Enterprise competition and our internships initiative.

On the horizon is the new academic year. Emma Experience will continue to evolve, driven by our commitment to nurturing the whole person and contributing to the vibrancy and excitements of our collegiate community. We are excited to build on the foundations we've laid, embracing new challenges and opportunities with enthusiasm and creativity. Every step we take is guided by our charge to empower each member of our college to thrive personally and professionally. Knowing the support from the whole Emmanuel community thus far, I am sure that this collective endeavour will continue to grow from strength to strength.

Daniel McKay, *Emma Experience Director*

From the College Librarian

It has been a very busy and productive year for the library. The team have been working throughout the year to develop up-to-date collections to support teaching and learning, as well as to ensure that the library is a welcoming and accessible space for all users.

Student wellbeing has been at the heart of much of our work recently in the library; staff have been working with Tim Ellis, the college counsellor, on developing the wellbeing book collection, as well as offering new ways to unwind from studying, including jigsaws, sudokus, popular fiction books and board games. A weekly 'Tea@3' break has given students an opportunity to have a break from work for tea and biscuits, and has proved popular during the pressures of exam term. A new power-assisted door has increased the physical accessibility of the library, and the space has been enriched with plants generously furnished by the college's garden department.

The biggest change within the department saw former college librarian Dr Helen Carron retiring in December 2023. It was wonderful to spend time learning about the library with her, and I will always be thankful to her for sharing her wisdom about life in the college and the work of the library.

Donations

Our book collection has been growing, through current acquisitions and generous donations from college members. We acknowledge our appreciation and grateful thanks to everyone who has donated publications this year. Among our donors were: Professor Paul Adam (1969), Martin Atherton (1971), Robert Bolland (1968) who presented a collection of hardback editions of Russian classics, Eve Cooley who presented books from the library of Julie Gomm, the Revd John Drackley (1954), Michael Frost (1981), Robina Hodson who presented books from the library of Peter Hodson (1957), Grace Howat who presented books on South America from the collection of the Revd Jeremy Howat (1956), Judy Nagle (1987) who presented books from the library of her grandfather James McIntosh Young, Ian Reynolds (1961), James Rossiter (1988), Alice Strang (1992), Carol and Jonathan Such (1966), and Professor Barry Windeatt, Keeper of Special Collections.

The following presented copies of their own publications to the library: Professor Paul Adam (contributor), *Countryside History: The Life and Legacy of Oliver Rackham*



The library team, left to right: College Librarian Amy Leahy, Alison French, Luise Mervin, Clare Chippindale, Georgina Willmot

(2024); Dr Richard Barnes, *Karma* (2024); Mina Ghosh, *Hyo the Hellmaker* (2024); Dr Geoffrey Halliday, *An Altitudinal Study of the Flora of the Inland Mountains of South-East Greenland* (2019) and *A Flora of the East Greenland Central Fjord Region 70°N – 77°N* (2019); Bill Ozanne, *The Doom App: AI Takes Charge* (2024); Professor William Randall (and Matte Robinson), eds, *Things That Matter: Special Objects In Our Stories as We Age* (2024); Cynthia Wight Rossano, *Harvard and Cambridge: A Brilliance of Bells* (2023); Dr Penny Watson, ed, *Canine Hepatobiliary and Exocrine Pancreatic Diseases* (2024); Professor Christopher Whitton (and Roy K Gibson), *The Cambridge Critical Guide to Latin Literature* (2023); Dr Rachel Williams, *Tabernacles in the Wilderness: The US Christian Commission on the Civil War Battlefront* (2024); and Professor Barry Windeatt, ed, *Oxford Guides to Chaucer: Troilus and Criseyde*, second edition (2023).

The year has also seen the notable return of a long-loaned library book. The library's copy of A H Allcroft's *Earthwork of England* (1908) was rediscovered in the possessions of Keith Stewardson (1968). Before he passed away in September 2023, Keith confessed to his son Shaun that he had kept this well-loved book ever since his graduation as an architecture student in 1976. The library team were delighted to welcome Shaun and his family to the college to return the volume, which is now available again on the library shelves.

Special Collections

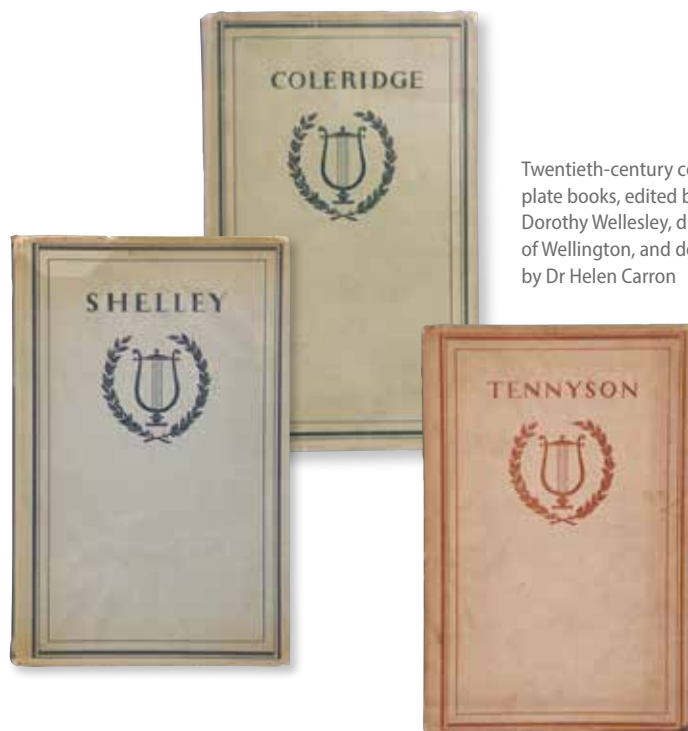
The library continues to receive many enquiries concerning the college's early printed books and manuscripts. The subjects of this year's research enquiries included: Peter Sterry's manuscripts; the New Testament in Hebrew and Portuguese; Claude Mauger's French grammar (1656); the 1501 Basle edition of Johann Froben's glossed Bible; Robert Morrison's *Dictionary of the Chinese Language* (1815–23); and the inscriptions of Henry Fitzalan, earl of Arundel (1512–80). The project to catalogue Hebrew printed books in Cambridge libraries has continued this academic year, and a specialist cataloguer has been producing detailed records of the college's early Hebrew books, one of the largest collections in Cambridge.

The college's copy of Erasmus's *Christiani Matrimonii Institutio* (Basle, 1526) has been on public display at the National Portrait Gallery as part of an exhibition on the lives of King Henry VIII's wives. The volume is unique in that it bears an inscription from Erasmus, dedicating the book to Katherine of Aragon in his own hand: 'To the Most Serene Queen of England, Erasmus of Rotterdam presents this as a gift'. 'Six Lives: The Stories of Henry VIII's Queens' was on display from 20 June to 8 September 2024.

At the end of 2024, another rare book will be on public display, this time at Cambridge University Library's exhibition on the collection of Thomas Erpenius (1584–1624). MS 219 is a copy of the seventeenth-century Malay *Hikayat Muhammad Hanafiyyah* and will be exhibited until February 2025.

Donors have further enriched our special collections holdings through their generous donations this year. Among the book collection of Peter Hodson, donated to the library this year, are several twentieth-century illustrated books on architecture and church design. Michael Hardman (1974) donated a three-volume edition of the *Statutes of the Cape of Good Hope 1652–1895* (1895). Professor Barry Windeatt, Keeper of Special Collections, donated a copy of *Four Hedges: A Gardener's Chronicle*, written and engraved by Clare Leighton (1936). This volume, published by Victor Gollancz, details the story of the author's garden in the Chiltern hills and is illustrated with Leighton's own engravings.

Dr Helen Carron generously donated a leaf from a book of sermons printed in Strasbourg in 1491. The collection became associated in the sixteenth century with the fourteenth-century French Dominican Peter Paludanus, who was consecrated as Latin Patriarch of Jerusalem by the Pope in 1329. Dr Carron also donated three twentieth-century colour-plate books: *Shelley: With Four Colour Plates and Twelve Black and White Illustrations* (1941); *Coleridge: With Four Colour Plates and Seventeen Black and White Illustrations* (1942); and *Tennyson: With Four Colour Plates and Twenty-Two Black and White Illustrations* (1941). The volumes were edited by the author and poet Dorothy Wellesley, duchess of Wellington (1889–1956).



Twentieth-century colour-plate books, edited by Dorothy Wellesley, duchess of Wellington, and donated by Dr Helen Carron

Special Collections Blog

Professor Barry Windeatt, Keeper of Special Collections, continued to celebrate the Graham Watson Collection in his popular monthly blog. Among the subjects were butterflies, Christmas greetings and puddings, the aquatint plates of Rudolph Ackermann (1764–1834), gardens and gardening, and views of the Holy Land. See www.emma.cam.ac.uk/members/blog.

Exhibitions

In October, members of the Hugh Walpole Society visited the Graham Watson Room and the Archbishop Sancroft Library. Much of the library's collection of Walpole books and letters were on display. This year has also seen two exhibitions of books from the Graham Watson Collection: one on 'Depicting Flowers and Fruit' in August 2023 and another on 'Botanical Illustration' in September 2023. The latter display foregrounded nineteenth-century watercolour painting and botanical illustrations by female artists, including Margaret Roscoe, whose *Floral Illustrations of the Seasons* (1851) is pictured here.



Engraving of a drawing by Margaret Roscoe in *Floral Illustrations of the Seasons* (1851)



Several of the books repaired and conserved in the past year

Conservation Work

The Cambridge Colleges' Conservation Consortium has carried out conservation and repair work on many of the college's special collection volumes this year. Among these were John Davenant's *An Exhortation to Brotherly Communion betwixt the Protestant Churches* (1641), which received repairs to its binding, spine and endcaps, and Richard Baxter's *A True Believer's Choice and Pleasure Instanced in the Exemplary Life of Mrs Mary Coxo*, a printed eulogy from 1680, which required conservation of its leather binding. Repairs were also made to the thin vellum of MS 82, a thirteenth-century illuminated manuscript *Biblia Latina Hieronymi*, and to the historic metal clasps of T.6.1, a 1693 printed miscellanea.

The project to construct drop-spine boxes and phase boxes for the college

library's collection of manuscripts has continued, thanks to a generous donation from Professor George P Smith II. Boxes were constructed by conservator Bridget Warrington to house MS 3.2.20, Erasmus's *Christiani Matrimonii Institutio* mentioned above, as well as to protect MS 188, an early seventeenth-century Latin library catalogue of printed books. Both boxes bear a bookplate in memory of Professor Sir David Williams (1950), Fellow, Honorary Fellow and Vice-Chancellor. These boxes ensure that the volumes can be stored safely for future generations of library users and researchers.

Amy Leahy, College Librarian

From the College Archivist

2023–24 has seen an average number of reader visits. Their topics of research, excluding genealogy, were: the college living of Whitestone, Devon; the history of the Thomas Young Club; C Northcote Parkinson; Loughborough parish church and churchyard; the North Court tunnel; floor plans of the Hostel and Emmanuel House; C K Ogden, co-founder of the Cambridge Heretics Society (not an Emmanuel man, but mentioned in correspondence held here); the early Bachelor of Arts curriculum; the novelist Hugh Walpole; the Founder's Cup; and Rachel, countess of Bath, Founder's kin and college benefactress. The volume of postal and email enquiries remained relentlessly high.

Accessions of new material have been even more voluminous than last year. The usual transfers from college departments were made, some of them comprising a large amount of unsorted material. This included paperwork from the rooms of two college Fellows, Dr Robert Henderson and Professor Chris Burgoyne, both of whom very sadly died in the academic year 2023–24.

Gratitude is due to Emmanuel members and others who have donated original material to the archives in the year ending 31 July 2024: Karen Bossom; Alan Burner; Alison French and Mark Playle; Peter Hudson; HD Livin', a Plymouth based charity; Geoffrey Lloyd; Lynda Mathers; Barbara Mowbray; Charles Parkinson; Kay Pearson; Richard Powell; Ian Reynolds; the late Stewart Rigby and Michael Watts. Thanks are also due to everyone who sent copies or digital images of Emmanuel-related items.

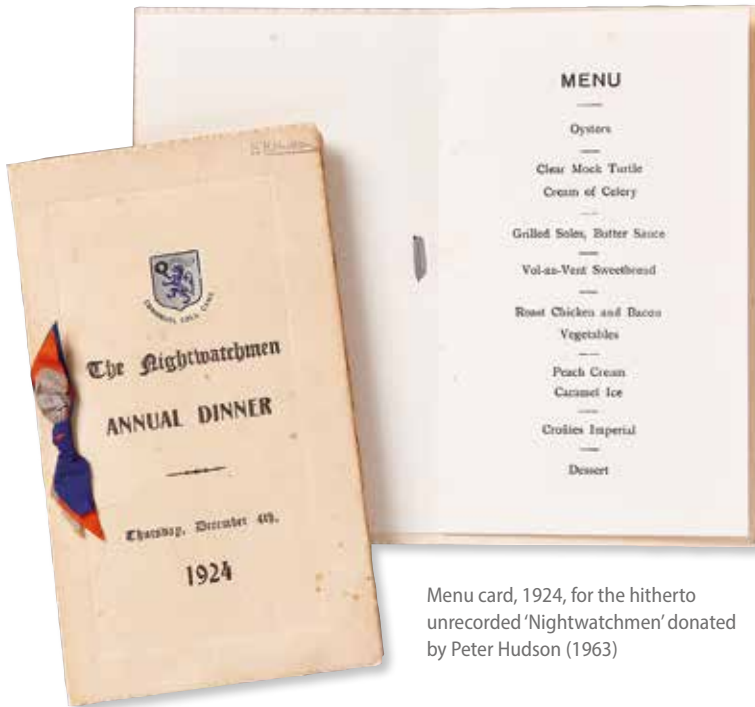
Barbara Mowbray, sister of Philip Brown (1964), gave two Emmanuel Boat Club photographs showing her late brother rowing at stroke. Kay Pearson (née Newberry, 1983) donated her student scrapbook, containing an abundance of fascinating memorabilia; she also gave some sporting photos, including the netball and ladies' hockey teams. Lynda, widow of David Mathers (1962), gave his mounted freshmen photograph. Michael Watts (1955) provided us with a memoir, 'Emmanuel memories', and digital copies of his colour slides showing Emmanuel and Cambridge in the mid-1950s. These are not quite the earliest surviving colour photos of the college, but they are still of notable rareness and thus of great historical interest. A collection of colour slides showing Cambridge in the 1960s was donated by the family of Stewart Rigby (1964). Karen Bossom, daughter of Peter Newman (1952), donated her father's freshmen, graduation, May Ball and fourth



The netball team, 1984, donated by Kay Pearson (1983)

May Boat (hockey) photos, as well as a framed 1950s colourised photo showing the college gardens. Peter Hudson (1963) gave various menu cards belonging to both him and his late father, Eric (1922). These included two dinner menus, dated 1923 and 1924, for 'The Nightwatchmen', a hitherto unrecorded college society, the ethos of which is a mystery. Another college society for which we previously had no records was the Rifle Club, but a Plymouth charity shop (HD Livin') kindly arranged for a framed photo of the club, dated 1911, to be conveyed to Cambridge. One of the men in the photo is engineering student 'Jock' Wallace, later a college Fellow. The thought of gun-toting students may seem strange nowadays, but at that time a good many Cambridge students were members of the University Officers' Training Corps (OTC).

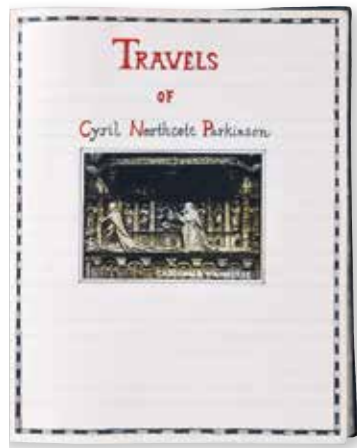
Several unusual items came to the archives this year. A framed needlework panel believed to have been worked by Jemima Archdall-Gratwicke, wife of one of our Victorian Masters, was brought to the archives from a room elsewhere in college. Richard Powell (1978) gave his transparent name plate used in the college's 1980 University Challenge appearance, along with a digital photo showing the team, which he captained; Emmanuel won one first-round match and lost another, and

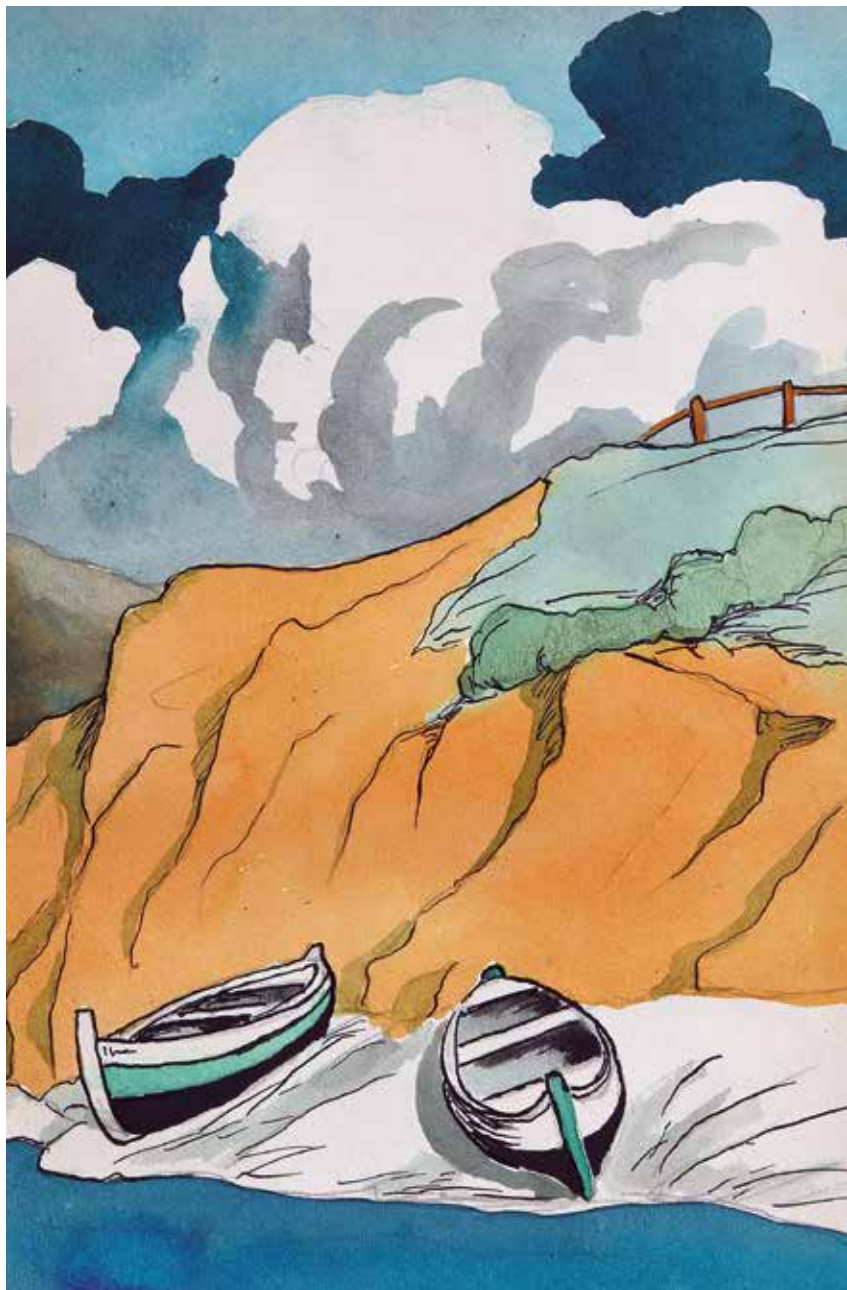


Menu card, 1924, for the hitherto unrecorded 'Nightwatchmen' donated by Peter Hudson (1963)

under the rules then pertaining, they could not progress further. Alan Burner (1963) presented the wooden shield and ashtray, both bearing the college coat of arms, which had belonged to his father, Alfred (1922). They are now on display in the new archives exhibition case in the library atrium.

Charles Parkinson (1972) donated the travel journals kept by his father, Cyril Northcote Parkinson (1929). These beautifully written and illustrated journals cover the years 1922–39. In 1935, three years after graduating with a history degree, Parkinson was elected a Research Fellow at Emmanuel, a post he held for three years. He later became a well-known historian and author, but it was his coining of the term 'Parkinson's law' that made him a household name. It is commonly believed that the wording of the 'Law' is: 'work expands so as to fill the time available for its





An illustration from the travel diaries of Cyril Northcote Parkinson (1929)

completion', but Parkinson in fact called this phrase a 'commonplace observation'. He expanded on the theme, however, by producing an algebraic formula that could be applied to any bureaucratic institution, to test his theory that 'the number of officials and the quantity of the work to be done are not related to each other at all'. He presented his views in an article published in *The Economist* in November 1955. Although infused with mordant humour, its author was making a serious point, as it resulted from his study of the staffing levels of various national bodies in the first half of the twentieth century. Parkinson found, for instance, that during the same period in which the number of Royal Navy vessels in commission decreased by 68 per cent, the number of dockyard employees rose by 40 per cent, and that of Admiralty staff by 78 per cent. He denied that his 'law' embodied any moral judgement, pointing out that it was 'not the business of the botanist to eradicate the weeds. Enough for him if he can tell us just how fast they grow.' He always wrote under the name 'C Northcote Parkinson' as he disliked his Christian name, but his son Charles testifies that 'no-one ever called him Northcote!'. His family and close friends used the nickname 'Squirrel'.

The archivist has continued to produce monthly blogs for *Emma Connects* and the college website. A new series has been initiated, entitled 'Snippets of Emma A-Z', featuring assorted nuggets of historical information. Several archive displays have been put on in either the library atrium or the museum. As well as exhibitions at regular events such as Gatherings and the 1584 Dinner, there was a display of the college's historic collection of charters on General Admissions day (28 June 2024), and an exhibition of May Ball posters at the Emmanuel Society garden party held on 6 July. The archives have continued to benefit from the assistance, two mornings a week, of Clare Chippindale, senior library assistant. In addition to answering enquiries and helping to process accessions of new material, Clare assisted with the aforementioned exhibitions, and created the display of college memorabilia in the new archives exhibition case. She also carried out a much-needed revision and extension of the catalogue of the C Northcote Parkinson papers held here.

It is hard to believe that a year has passed since the death of the archives' loyal volunteer, Philip Brown (1964). He had not enjoyed good health in the early part of 2023, but seemed better during the summer months, and as a donor he attended the opening of Young's Court early in July, with his long-time colleague and friend Rubina Curtis. His last visit to the archives was on 10 August 2023, when he was in very good spirits, so it was a shock when he died later that month. Phil started volunteering in the archives in January 2008,



The third Lent boat, 1968, with Phil Brown at stroke

having taken early retirement. The first task he undertook was the creation of a digital personal name index to the vast collection of formal group photos showing the college's student clubs and societies. In 2014 he began a second project, which soon outgrew its original remit. Phil had been a member of the OTC during his student days, and his career was spent in the Ministry of Defence, in aircraft design and later procurement. He was therefore interested in all things military, and he responded enthusiastically to the suggestion that he catalogue the college's collection of First World War papers. Initially, the aim was to create a moderately detailed listing of the letters written to the college's Senior Tutor by Emmanuel men serving at the fronts, but Phil soon decided that he might as well produce full transcriptions. He then felt that 'a few footnotes' would be desirable to explain the army jargon. This led on to his determination to elucidate all the military references that were coded or vague on account of wartime censorship. His dogged determination to pursue every possible line of enquiry added greatly to the project's usefulness, but it inevitably delayed its completion. We are currently in the process of printing a hard copy of Phil's digital transcripts, to be kept in the library as a fitting testimony to his hard work. The letters have already proved to be of interest to military historians and descendants of the correspondents, and Phil himself mined them to produce several articles for the *College Magazine*.

He hugely enjoyed spending time at his college, initially visiting monthly, but after he had moved from Biggleswade to Camborne, fortnightly. Invariably, at 4pm, he would down tools and we would round off his visit with coffee and biscuits, or sometimes, to Phil's delight, cake. He invariably gave the library staff a big box of biscuits at Christmas. A steam enthusiast, Phil could be relied upon to identify any strange locomotives and rolling stock spotted at Ely or other nearby stations. He was also the proud owner of a touring caravan, and his

travels always included an annual visit to Henley regatta, where his Emmanuel badge acted as a signal to other members. It still seems hard to believe that he will never walk into the library atrium again, sporting a seasonally appropriate hat, bowing slightly under the weight of his place-for-everything Swiss backpack, and calling out his invariable cheery greeting of 'Good morning! And how are we today?' Dear old Phil: the archives aren't the same without him.

Amanda Goode, *College Archivist*



From the Chair of the Emmanuel Society

As soon as you matriculate at Emmanuel you automatically become an Emma ‘member.’ There are over 10,000 of us across the globe; indeed, it is striking, if not surprising, how forever varied and interesting members’ lives are after leaving Cambridge.

The Emmanuel Society, of which all members are a part, has a very simple purpose: to enable us 10,000-strong Emma members to keep in touch with college goings-on, catch up with friends and meet new people from the Emma community. The society committee, with support from college staff, arrange a year-round programme of events, predominantly in the UK but also internationally, to serve this purpose.

The last 12 months have been filled with cultural visits, tours, workshops, dinners and drinks. Like the student body, the society follows the ebbs and flows of the academic year. We kicked things off this year with a walking tour with Lucinda Hawksley, eminent biographer of all things Victorian. Having led previous tours, many members are familiar with Lucinda and, in September 2023, members were treated to one that focused on William Morris’ life in West London.

Further history-focused events took place throughout 2023–24. These included a walking tour led by Canon Janet Gough OBE (1980) of Sir Christopher Wren’s London (generally considered most famous for St Paul’s Cathedral but, for readers of the *Magazine*, perhaps more so for Emmanuel’s chapel). Earlier in the year members spent a fascinating afternoon at Apsley House, where they were given a guided tour of what was the home of first duke of Wellington. Modern history featured too: in February 2024, members enjoyed a special talk and guided visit to the £8 billion mixed-purpose Brent Cross Town project from André Gibbs (1989), partner of the developer delivering it.

The society’s Culture Club continued to offer members interesting outings. The first of the year was a visit to the Institute of Astronomy in Cambridge. A clear night fell upon those members lucky enough to attend. So awestruck were we by the evening, we will schedule another visit to the Institute in 2024–25. My sense is that this may become an annual event. Sixty members also had the opportunity to go onstage at the Southbank Centre’s Queen Elizabeth Hall and

meet musicians from the Orchestra of the Age of Enlightenment, before watching Sir András Schiff direct the OAE in a programme of Mendelssohn.

Entrepreneurs' workshops for members now take place once a month on Zoom. Across the last 12 months stimulating sessions have been led by Rina Einy (2014), Dej Mahoney (1982), Ryan Walter (2021), Kerstyn Comley (2004), Mark Fliegauf (2009), Aimée O'Carroll (2003), Anthony Newman (1991) and GreenHarvest, the winners of the college's Emma Enterprise competition.

With Zoom maintaining a post-Covid prominence in our lives, we are finding it a useful way for the society to expand its reach. This year, alongside the entrepreneurs' workshops, members have enjoyed a Zoom talk from Sir Roderick Floud on his recent book, *The Economic History of English Gardens*. Watch out for more of these in the forthcoming year.

Of course, in-person events remain the society's bread and butter. Staples of the calendar include the semi-annual London drinks, held at Bunghole Cellars in central London. We also enjoyed a lovely trip up to Liverpool for a society dinner at the magnificent Hope Street Hotel in October. Further afield, the society has hosted drinks in Brussels.

The college and society London carol service took place at the beginning of December. Many members have fond memories of Cambridge Christmases, and this always proves a popular event, with over 400 people attending this year. As always, the college choir, directed by Emmanuel's Director of Music Graham Walker, provided carols, ranging from the sixteenth century (Palestrina) to the twenty-first (Mariah Carey).

Another key moment in the society's diary is the AGM. This year's in November was a special occasion, as it was the final one presided over by the outgoing chairman, Nick Allen. Nick has already been wished well in these pages but, given his years of dedicated service to the society, it doesn't go amiss to take the opportunity once again to pass on profound gratitude to him, on behalf of the committee, officers and members of the Emmanuel Society.

This year also saw the post-pandemic return of the Emmanuel Society's Lawyers' Dinner. Around 100 members gathered at the magnificent Cutlers' Hall, where Dame Henrietta, Mrs Justice Hill (1991), recounted her starry career at the forefront of many of the UK's most important and most high-profile inquiries and inquests. We are planning for a similar occasion for medics in 2025. Keep your eyes peeled for further details.

And there was enormous fun had at the society's garden party, where members and members' children enjoyed a summer fete within the Emmanuel

grounds. Thanks too to Bobby Seagull for his monthly puzzles throughout the year, keeping us all on our toes.

My thanks as always go to all those in college who make possible the society's activities every year. To list everyone would require an entirely separate piece. But if I may, I single out Dr Sarah Bendall, Jack Cooper and all officers and committee members. Huge and especial thanks in this year's review go to JuG Parmar and Luke Montague, who will be stepping down as members of the society's committee at the society's AGM in November this year. JuG and Luke have put together all sorts of interesting events and workshops over the years and their contributions will be much missed.

I also take this opportunity to encourage members to return to college, especially to make use of your dining rights. If you haven't visited in the last few years, it's well worth making the trip to see the new parts of college – Young's Court, the new bar, the new café fittingly named Fiona's – all brilliantly delivered through the Emma Enables campaign; however, the quality of the new student accommodation may turn anyone who had to endure sub-zero walks to the South Court toilets and bathrooms from Old Court green with envy.

Just as the college evolves so too does the society and I would be very interested in hearing from members about what they may like the society to offer in future. Please do get in touch.

So, I hope to see many of you in the next year. All of our events are advertised in the *Emma Connects* email sent out by college on a fortnightly basis and in the periodic *Emmanuel Newsletter*. The society also exists on Facebook: just search 'Emmanuel College members – Cambridge' and you'll find us there.

Harry Hickmore, Chair, *The Emmanuel Society*

New thatching atop the changing hut by the Fellows' Garden pool



Views

The Gomes Lecture 2024

THE NHS OF THE FUTURE AND HOW WE GET THERE

The Gomes lecturer 2024 was Amanda Pritchard, chief executive officer of NHS England. The following text is a minimally edited version of her notes for the talk. She was born in Somersetshire, daughter of a clergyman, and grew up in County Durham. She was educated at a comprehensive school in Durham and then attended St Anne's College, Oxford, graduating with a history degree. She joined the NHS through its graduate management training scheme in 1997 and has held NHS management positions since then. Early in her career she joined the Chelsea & Westminster NHS foundation trust and rose to deputy chief executive. Later she moved to Guy's & St Thomas' NHS foundation trust as chief operating officer and then as chief executive. In 2019 she moved to NHS England as chief operating officer, where she oversaw NHS operational performance and delivery as well as implementation of the improvements in service and care set out in the NHS long-term plan. She was confirmed as chief executive officer of NHS England in 2021, the first woman in the role, in which she leads NHS work in England to improve health and care. She is accountable to Parliament for the NHS's £150 billion of annual funding. She has also served as health team leader in the prime minister's delivery unit.

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.



Amanda Pritchard, chief executive officer of NHS England

Introduction

Thank you. It is such an honour to be asked to speak to such an esteemed audience, in such beautiful surroundings and as part of such a prestigious lectureship.

As many of you know, I am the daughter of a clergyman. What some of you may not know is that my father, who actually trained here in Cambridge, was the archdeacon of Canterbury who invited the Reverend Peter Gomes to deliver the famous millennial sermon. The values that shone forth in his ministry – openness, tolerance, justice, but also steely courage and conviction – are the traditions that for me define what it means to be Christian, as of course taught by my father, too. Just being part of this celebration of his life and work therefore means a great deal to me, and as your speaker tonight I will endeavour to do his memory justice.

That of course brings with it a great deal of pressure. That pressure really began to mount back in October, when Doug Chalmers very helpfully sent me an email stressing just how illustrious the previous speakers in this series have been. In particular, he highlighted last year's speaker, General Christopher Cavoli, the Supreme Allied Commander Europe. There aren't many people who lead a workforce bigger than that which I have the honour of doing in this role. But with the combined NATO forces in his organogram, I would have to concede that

he would beat me at Top Trumps. I also note the glittering back catalogue of academics and artists, peers and potters, even a dark wizard. All I can say is that, if you can bear with me for the next hour or so, I've heard the dinner is excellent.

Where we have come from

One of the other things some of you may know about me is that as an undergraduate I read history at 'the other place'. So, while I want to talk to you today about the future of the NHS, I hope you will indulge me in starting with where we have come from, before talking about where we are now, and what the future looks like.

Happily, at the moment, those two strands of my life, history and health, are intersecting with another one: theatre. As a recent appointee to the board of the National Theatre, I attended a couple of weeks ago a development session for a new play about Nye Bevan, who for anyone not initiated was the health minister who launched the NHS in 1948. There are many things that can be said, and have been said, about Bevan's popular status as the progenitor of the NHS. It would perhaps be particularly churlish to come to Cambridge and not tip a nod to one of its former vice-chancellors, Sir Henry Willink, who as the health minister in 1944 brought forward the white paper proposing a national health service.

Without wishing to spoil the play for those who will go see Tim Price's *Nye*, I think Gordon Brown summed it up best when he said: 'The astonishing fact is that Bevan's vision has stood both the test of time and the test of change unimaginable in his day'. His NHS, by surviving, growing and adapting to technological and demographic change, remains at the centre of the life of our nation as a uniquely British creation, and is still a uniquely powerful engine of social justice.

Of course, that was not a view shared by everyone at the time. When Bevan was preparing his national health service bill to Parliament, he was doing so in the face of impassioned challenge from several quarters. Many doctors did not want to be employees of the state. Many organisations, including charities, councils and, yes, even churches, did not want to lose control of hospitals. Despite the widespread support for the Beveridge report years earlier, many politicians and commentators argued vociferously against a national health service and the nascent welfare state it represented on grounds of principle or precedent.

Even after getting the bill through the parliamentary wringer, then completing the much harder task of getting the medical establishment on board, and successfully launching the NHS on 5 July 1948 at what is now Trafford General Hospital, the opposition continued to come. Over the course of the first year, the complaints

piled up. Chief among them was that expenditure on the new NHS was significantly higher than had first been expected. That, of course, was because millions of people had been living with health problems that had previously gone unaddressed. Reading Bevan's papers to his Cabinet colleagues in that first year suggests just how hazardous life must have been before the NHS, given that in the first months of the NHS spectacles were being dispensed at a rate of about eight million pairs a year and hearing aids were being issued as fast as they could be manufactured.

For Bevan this great unmet need, the true scale of which even he and his officials had not predicted, made the strongest case for persisting, even if that won him few friends at the Treasury or around the Cabinet table. He was determined, of course, to ensure costs of the NHS did not jeopardise the new social contract. However, he stressed to his colleagues 'the truly vast benefits to the population as a whole it has involved' and how it had given the people 'a new freedom from anxiety in sickness'.

As many of you will know, in the end it was dentistry that did for him. Having spent months putting together the dental access plan we announced last week, I can sympathise. It is fair to say that much of his tenure as health minister was typified not by revelling in the success of the service but by the need to respond to the challenges that success brought.

The reason I have taken you back to the beginning is because it is this tension that the NHS has dealt with for 75 years, is dealing with now, alongside the lingering effects of the pandemic, and will need to deal with even more into the future.

Bevan was also an eminently quotable orator. There is a particularly lovely instance that Lord Hennessy picked out in his book *A Duty of Care* (2022). The story goes that, addressing Barbara Castle in 1948, he said: 'Barbara, if you want to know what all this is for, look in the perambulators'. That's 'prams' to you and me, or 'strollers' to our US colleagues. That advice will resonate with many of us, whether you are involved in public service, in philanthropy or just in parenting. What better reminder is there of the need to make the world a better place than looking into the face of the generation that will, for better or worse, inherit it from us?

What Bevan might not have known is just how significant the babies he was seeking inspiration from in 1948 would come to be during the first 75 years of the NHS, and will be for our future. What he will have known is that the new NHS maternity services were incredibly busy. With Britain in the first throes of the post-war baby boom, there were far more prams to look in than there had been a

decade earlier, and many more than now. This generation, the baby boomers, have brought us some of the most incredible advances. They are the generation that harnessed the 'white heat' of the technological revolution, delivering everything from the worldwide web, to DNA profiling, to the isolation of graphene.

Those, of course, are just the advances we claim as British. This generation also truly embraced globalism, working together across borders: yes, often against common enemies but just as often for the common good of humanity. That means we have also benefited from international innovation: everything from automated defibrillators and drug pumps to nanotechnology and, yes, Viagra too.

So, the babies staring back at Bevan then have made an incredible contribution to society and to the success of the NHS from which they were among the first to truly benefit.

But just as Bevan found in those early days, it is precisely that success that now provides the NHS with a significant challenge. Perhaps more than anything else, it is how we meet the needs of that generation that will define the next 15, 20, 25 years and beyond, not just for health and care services here and around the world but for the whole of society.

Where we are now

So where are we now, 75-and-a-half years on? Well, we are feeling that challenge or, more accurately we are facing a combination of major challenges, alongside multitudinous smaller ones. I will concentrate on the bigger ones, because we all want to get to dinner.

First and very obviously, we are dealing with the **continued impact from Covid-19**. The pandemic required a large-scale and rapid reorganisation across all parts of the NHS. It also meant that the public stayed away from health services unless individuals were in crisis, storing up unmet need. As a result, waiting lists for elective care grew significantly; catching up is a mammoth task for a workforce that has been exhausted by the pandemic.

Secondly, **acuity**: patients have increasingly complex needs. That means average length of stay in hospital has increased from 7.3 days to 8.3 days just since 2019, and the number of people spending a fortnight in hospital has increased by a fifth in just five years: all this after years of progress in bringing length of stay down. A combination of factors is driving this trend. Some of it relates to the pandemic. But it also includes a longer-term trend of more people, living for longer, with multiple health conditions. On the one hand, this represents a success story. On the other, it is a significant challenge for the NHS and health systems around the world.

Thirdly, we are operating with **capacity constraints**. The number of general and acute beds in England has fallen from 137,000 to 103,000 since 2001. This decline is true of other health systems and partly reflects advances in treatment. However, the NHS now has far fewer beds than the OECD average, with 2.4 beds per thousand people compared to Germany with 7.8 and France with 5.7. Add to that delayed discharge, in part driven by constraints in social care, and you get fewer spare hospital beds to accommodate people when they need them. On average across the year, nine in every ten acute and mental health beds are occupied. That lack of capacity then affects both urgent and emergency services and also elective care, meaning longer waits and, in the case of some mental health patients, needing to go to a hospital far from home.

A further challenge is that much of the **infrastructure** we do have is not fit for purpose. Hospitals report a backlog maintenance bill of over £11bn, with consequences for patient safety and experience as well as productivity. There are similar constraints in our primary and community estates, limiting the ability to transform care. There is also still a huge amount of investment needed to bring our technology infrastructure, such as electronic patient records, data architecture and scanners, up to modern standards, enabling staff to deliver their best work.

Next, is **workforce**. Our staff are the core of the NHS, but they are under immense strain. The latest statistics show that we are running with a vacancy rate of 8.3 per cent. That means we have more vacancies in the NHS in England than Sainsbury's has staff. This situation takes a toll. Forty-five per cent of staff say they have felt unwell because of work-related stress. Sickness absence remains stubbornly high, and turnover reached a peak of 10.8 per cent in the year to September 2022, the highest level on record. While ostensibly about pay, we would be foolish to think that these challenges have not contributed to the protracted period of industrial action with which we are now dealing and which in turn is hampering recovery and increasing costs.

There are, of course, many other things contributing to the challenge too, such as the **impact of higher inflation**, which has eaten into the NHS budget by around an extra £1.7bn this year.

Despite all of that, just as when Bevan's NHS faced an equally challenging set of circumstances, the extraordinary commitment and ingenuity of NHS staff mean that the service has not given up, has not stood still and has not stopped doing everything possible to make things better for patients. This means that the past year has, despite everything, been one of progress. Overall, there are around 570 million patient contacts with NHS services per year. That is the

equivalent of every person in England being assessed, treated and cared for by the NHS ten times a year, or 1.6 million interactions with patients every day. For the mathematicians among you, that means there are a million interactions with the NHS every 15 hours.

Most of those are in primary care. And over the past year, we have **modernised and expanded primary care access**. GPs and their teams provided nearly 1.4 million appointments every working day, an increase of almost 20 million more appointments in total than last year, and over a hundred thousand more appointments every day compared to five years ago. That increase has been enabled by the recruitment of more than 36,000 pharmacists, paramedics, therapists and other staff since 2019. This has meant that the public can access a far wider range of support from their local surgery than in the past. We have also put more services into community pharmacies. Just in the last couple of weeks, we have launched Pharmacy First, a major new development making it easier for people to get the care they need, including prescription medication for seven common conditions, without needing to see a GP first. At the same time, increasing blood pressure checks in pharmacies is expected to help us prevent more than 1350 heart attacks and strokes in the first year.

We have **reduced long waits for elective care and built more capacity**. Despite huge disruption from industrial action and continuing record levels of demand for emergency care, 17.3 million people started elective treatment last year, an increase of over 1.3 million from the year before. Compared to ten years ago, around 10,000 more people are now starting treatment every day over a year, the equivalent of treating the entire population of Newcastle five times over. This is not to say that the waiting list is not still too high, or that too many people are not still waiting much longer than we would want. However, we are making progress. In the months when we have not seen strike action, the waiting list has fallen, and the number of people waiting for more than 65 weeks for treatment has been reduced by over 40 per cent. This is partly because we are building the resilient capacity we need to meet demand. We are creating surgical hubs, now a hundred of them across the country, exclusively performing planned surgery, with ring-fenced facilities and staff to ensure we can continue progress on waiting lists even in the face of pressures. We are also working more effectively with the independent sector, which is now delivering significantly more activity for the NHS than before the pandemic, and over-delivering even against our ambitious plan for the year.

We have continued to **make inroads on early diagnosis of cancer and improving outcomes**. The NHS is diagnosing more cancer at an early stage than

ever before. Because of that, combined with ever more effective treatment options, cancer survival is at an all-time high, with deaths around 10 per cent lower compared to just five years ago. This has been achieved partly thanks to the NHS embracing innovations, such as lung scanning trucks, direct referrals from community pharmacies and the rollout of new tests such as FIT and cytosponges. It is also partly thanks to our successful public campaigns, building symptom awareness and the confidence to come forward. But in large part it has been about building the capacity to deliver the checks people need. Around three million people were seen for urgent cancer checks over the last year, the highest on record. That number was up by over a quarter since before the pandemic and by 133 per cent in the last decade. Most people get the all-clear. We have continued to increase treatment capacity, too, for those who do need it. Over 336,000 people received treatment for cancer in the year to November 2023, the highest year on record, up by more than 23,000 on the same period pre-pandemic.

Again, there is much more to do, but these real achievements are making a meaningful difference for patients. Of course, people need diagnosing for a far wider breadth of illnesses and injuries than cancer. A key to that is to provide faster access to **diagnostic tests**. Community diagnostic centres have been another key success story over the last year. We now have around 150 of these facilities, placed in convenient locations for patients, mostly outside of main hospitals. These facilities have, among them, been delivering over seven million tests so far. Thanks to these and other innovations, and the hard graft of squeezing more out of the machines we have, we delivered in 2023 more than 26 million key tests, over two million more than in 2022 and almost 50 per cent more than a decade ago.

We have also done a huge amount to **speed up treatment times in urgent and emergency care**. Excepting 2020, this year is the first in over a decade that four-hour performance has been better than in the previous year, with every month from April to December better than the same month the year before. What does that mean? It means that since April almost 1.9 million more people have completed A&E treatment within four hours than the year before. To give you a sense of scale, that increase alone is around 11 times the number of attendances that Addenbrooke's has seen in total. We have been able to make that difference because, despite all those challenges discussed earlier, over the last year we have opened 5000 more adult ward beds across the country. That is the equivalent of building ten new hospitals in 12 months and is on top of creating more than 11,000 new virtual ward beds, providing tens of thousands of patients with the ability to be cared for safely at home. It is the same story for ambulances. Because

of the many other improvements we have made, average response times for urgent calls are faster by around a quarter on last year, and in December they were faster by half.

Of course, we have also continued the focus on **meeting the growing need for mental health support**. More people than ever before are accessing help for their mental health. Five million people did so in 2022-23, an increase of more than one million in five years. We have continued to roll out new services and increased capacity where they are needed most, including mental health support teams in schools reaching 35 per cent coverage and on track for 50 per cent by spring next year. Again, there is far more to do, but real progress has been made this year nonetheless.

On top of all that, we have made important progress in **building our digital capability**. For all the comment that the NHS is stuck in an analogue past and while there is no doubt parts of it are, we actually make a huge digital delivery to patients. The number of people using the NHS app in December 2023 hit 33.6 million people, over 75 per cent of the population and twice the coverage, I am told, as the likes of TikTok. Through the app we have continued to put more information and options at people's fingertips. Patients at the vast majority of GP practices can now see their records and test results in their app, up from just 15 practices in November 2022 to well over 5000 now. In December, people viewed or changed the details of 3.4 million secondary care appointments, a threefold increase since the previous December. They also ordered 3.1 million repeat prescriptions, all at the touch of a button.

We have also continued to modernise systems that support staff. Over 90 per cent of hospitals now have modern electronic patient record systems. GP practices now have cloud-based telephony systems. Over nine out of ten stroke units now use proven artificial intelligence tools. By confirming our plans for a new NHS federated data platform, we now have a clear path to the holy grail, connecting the hundreds of disparate IT systems across the NHS over the next few years and giving frontline staff access to essential tools and information to help them coordinate, plan and deliver care services more effectively. All of that clearly takes people to deliver it.

And while the staffing issues I highlighted earlier are all true, at the same time we have **grown our workforce to a record level**. The hospital and community service workforce was almost six per cent larger at the end of November than at the same point last year, thanks to a combination of new starters and the progress we have been able to make retaining our hugely skilled and valuable staff. What

does that mean? It means we now have 40,000 more clinicians in secondary care than a year ago, including almost 7000 more doctors and over 20,000 more nurses. Far more to do, but going in the right direction.

Where are we going?

So, the NHS is a system under real pressure, delivering a huge amount and in many cases more than ever in our history. However, in many areas we are sprinting to recover ground, to respond to new need or just to keep up. We know we need to do things differently, just based on current experience.

However, really to understand the reaction needed, we also need to consider what forces are going to be acting on the NHS in the years to come. That's where we return to the occupants of Bevan's prams. Our ageing population is going to continue ageing. Over the next 15 years, the population of England is projected to increase by 4.2 per cent, which does not sound like much of a problem.

But as part of that growth, the number of people over 85 is projected to increase by 55 per cent. That's obviously great news. With that increase, however, the number of separate illnesses the NHS will need to support people to manage will also increase. We know that seven out of every eight people aged 85 or older live with at least one long-term health condition. In fact, at that age, you are more than twice as likely to be living with three or more long-term health problems as you are to have none. At population level, the decade before the pandemic saw a more than 25 per cent increase in the number of people living with major illness, and that number is projected to increase by another 36 per cent by 2040. That's an extra 2.4 million people with on-going health needs, more than the entire population of West Yorkshire.

That increase of course is not just about physical conditions and is not just about old age. One in ten older teenagers was thought to have a mental health disorder in 2017; that number rose to one in four in 2022. It is expected that by 2040 over four million more people will be living with anxiety or depression, many of them alongside other physical and mental health conditions. More illness will require more capacity to respond: more people, more places, more equipment, more drugs. While I have just detailed some of the recent progress and foundational work, even over the last couple of years, it is not at all clear that as a country we are truly prepared for what the future holds.

Partly of course, just as we always have, we will look to innovations, new medicines and technologies to help address some of this additional illness. However, we should be clear that innovations do not come for free. Experience from the last

few years has taught us that ever more specialised treatments, even where they are not curative, mean ever greater price tags. Since 2018, NHS spending on branded medicines has been increasing at a rate of over five per cent a year, and that does not include expenditure on Covid-19 vaccines and treatments.

While future possibilities are a cause for excitement, and I will say more about that shortly, they are also likely to pose an ever greater quandary to those whose job it is to make everything add up. The drugs bill will not be the only quandary. Just as in Bevan's day, governments of whatever colour will be anxious to limit the sum cost of the NHS. That's perfectly right and understandable. Governments have many other spending priorities that they are accountable for balancing. They are also mindful of what money is coming in the door by virtue of the state of the economy. In the short term, the economic outlook is under a constant spotlight.

What we don't talk about is what the long term looks like, and again that is shaped by Bevan's babies, not just their longevity and their health, but also their fertility and that of their children and grandchildren, and what these mean for the future shape of our society and economy. Right now, for every one person at state pension age in the UK, there are roughly four people of working age. By 2045 that ratio will be more like one to three. That ratio factors in the increases in state pension age, which does not necessarily dictate when people start to become ill or when they leave the workforce. If we do not factor in those changes, the ratio becomes more like one to two: this is enough to send a shiver down the spines of the leaders of public services of all kinds, not just here in the UK, but also in many countries that have seen similar demographic patterns since the Second World War.

Getting there

Listening to all of that, I imagine some of you must be thinking: 'Bloody hell, Amanda must need to look in a lot of perambulators on her way to work'. You would not be far wrong. As a leader in the health service, it is always helpful to meet your patients, especially the ones in romper suits, to remind why you do what you do.

One patient who stuck in my mind is Oliver Bell. I met Oliver, together with his mother and grandmother, here in Cambridge 18 months ago. His face would have been enough, to be honest; but it was his story that made our meeting so memorable. A few days before Oliver was due to arrive, his parents, Sara and Michael, received some concerning news. An ultrasound showed a large tumour on Oliver's right leg, around 6cm in length. When he was born, standard

blood tests were taken to figure out the cause. Within two days of what should have been one of the most amazing times for a new family, his parents were faced with having to take Oliver to see the paediatric oncology team. Initial investigations suggested infantile fibrosarcoma. Survival rates are good, but surgery and chemotherapy are a lot for a young body to take, and patients need to be monitored for months and years to watch for remission. While Sara told me she appreciated the honesty of Oliver's doctors and nurses at that point, she had absolute faith that they would do their absolute best for her son whatever the eventual diagnosis. I do not need to say just how scary that was for Sara, for Michael, and for the whole extended family.

Thankfully, as you have probably guessed, this story has a happy ending. Oliver's consultant, Dr Sam Behjati, was not just a paediatric oncologist but also a group leader at the Wellcome Sanger Institute. When standard tests were inconclusive, he briefed Oliver's family on another type of test at his disposal: whole genome sequencing. Oliver's parents did not need to have a full understanding of the mechanics and clinical applications of genomics. Nor did they need an appreciation of the decades of arduous work, globally, that had taken the discovery of Watson and Crick and translated it into clinical practice, nor of the several painstaking days still required by the Cambridge team in the NHS East genomic laboratory hub who looked at the sequence data from Oliver's sample.

What they know is that, within a few days of Oliver's care team taking another test, the mystery was solved. Oliver did not have cancer or any other life-threatening condition. He had a myofibroma, a benign tumour, which by the time I met him was already shrinking on its own. So instead of spending the first weeks of Oliver's life coming back and forward to hospital for chemotherapy, he and his family were able to do all the normal things families do in those months.

Oliver's story is just one reason we can be legitimately optimistic about the future. As we look to the end of this decade and beyond, there are many more advances from which the NHS is uniquely well-placed to benefit. As I mentioned earlier, artificial intelligence is already being used in the NHS, including assessing brain scans so that clinicians can give stroke patients the right care quicker. However, AI has additional potential to do things such as predict illness so you can take steps to prevent it, and to speed up administrative tasks and decision-making so that clinicians can spend more time with patients. We can also envision, even in the next few years, that we will see advances in genomics and precision medicine, allowing ever faster and more exact diagnosis and benefiting people with tailor-made treatments and reduced side effects. That is particularly

important when you consider that adverse reactions to medications account for about 6.5 per cent of UK hospital admissions.

Wearable gadgets and mobile apps are another area of real potential, allowing us to do more things, such as the closed loop systems for type-1 diabetes that we are rolling out now: these monitor glucose levels and automatically release insulin without the user having to do anything.

That is just the stuff in the near future. Looking towards 2030 and beyond, we see the potential for even more game-changing innovations to be ready for routine use. Groundbreaking work in mRNA technology, here in Cambridge and around the world, is giving us the potential to find and deploy personalised immunotherapies for some of the world's biggest killers, and even some cancers. Again, work going on here in this city on regenerative medicine is building on the work of Sir Martin Evans and Matthew Kaufman some 40 years ago and is now offering the potential to treat illness by reprogramming cells and even to grow or 3D-print new organs, rather than wait for a donor transplant. Another field in which Cambridge leads is nanotechnology, which offers the potential to target and repair individual molecules or cells to treat diseases such as cancer, leaving healthy cells intact.

The prospect of the NHS being able not just to use these finished products but also to help in their development through our partnerships with industry and academia is incredibly exciting. But it is only part of what the future looks like. We do not have the luxury of picking a point in that future and concentrating efforts on building a service that will be right for then. The challenges we are held to account for are the immediate ones. The financial forecasts we are given to plan with, at best, run to five years. Thus, we must build and rebuild the plane while we are flying it and sometimes while we are navigating it through a storm. But we are clear that, given the current context and horizon, our tasks fall into three main buckets: recover, strengthen, transform.

First, continuing to recover from the effects of the pandemic. That means prioritising improvements in access to the services people need. It means continuing to improve safety in urgent and emergency care through faster treatment, increasing access to mental health support and reducing waiting times for elective and cancer care. We have plans on all these goals and we are making progress on them, but the job is still far from done.

Continuing to recover also means addressing some of the other challenges the pandemic brought. One is recovering productivity in how we deliver care. The NHS is already one of the world's most efficient health systems. In the

decade before the pandemic, our average annual growth in productivity was more than double that of the wider public sector, and seven times that of the wider economy. But the pandemic and recovery have had a significant impact as experienced clinicians and managers leave, taking institutional knowledge with them, as well as seeing new and different services and ways of working brought forward, which now need to be optimised.

Secondly, we need to strengthen. That means focusing on our workforce, delivering what we set out in the long-term workforce plan last year. Part of that is training. We have secured funding to create tens of thousands more clinical training places over the next five years. These include not only the traditional degree courses but also a far greater number of apprenticeships, including medical apprenticeships, for the first time: we want to make sure that we do not exclude those for whom, for whatever reason, going to university just does not work.

Another aspect is keeping the staff that we do have for longer. If we want a better-staffed NHS, we need people to want and to be able to stay. We need to be a good, modern employer. This means, very obviously, making sure people feel recognised and rewarded for what they do. It also means making sure they have support for their own health and wellbeing needs, and making sure that people have opportunities to develop and to learn new skills. Employees need to feel that they can speak up and help change things that should be better, and we need to be flexible in accommodating life outside work. Crucially, all of this must be the case for everyone who wants to work for us.

The NHS benefits from an incredibly diverse workforce; but we need to continue efforts to ensure that people, particularly those from ethnic minorities, are not held back or forced out of the NHS simply because of who they are. As an employer, the NHS must be open and fair to all of us, too.

Strengthening also means doing everything possible to ensure those staff are working in decent facilities and have access to the right technology and equipment, not just to do their jobs but also to do them well and productively. Thus, we are developing a comprehensive plan for national NHS infrastructure that will set out how we can build a modern, productive and safe health service. We are clear that this will need to be underpinned by significant capital investment and so present choices to whoever is holding the nation's purse strings at the time.

Thirdly, we need to transform how we deliver care. In part, that means continuing to embrace the opportunities that technology offers, providing more and more services in a more and more convenient way for patients, and continuing to integrate and harness the incredible amount of data that the NHS

manages, so that clinicians and leaders can benefit from the insight data provides in optimising services. However, the other, and more fundamental, part is far more dependent on humans. We cannot expect people with multiple, different needs to have to go to multiple, different places. So we need far greater integration that recognises the whole needs of every person who comes forward. Yes, that means joining up various parts of the health service: GPs, community services, specialist care and so forth.

However, the task is much wider than that. A couple of months ago I went to spend time with the team at the Jean Bishop integrated care centre in Hull. The centre brings together a range of services for older people in their area living with frailty. Here the NHS, social care, the voluntary sector and even fire and rescue services all work together, helping local people lead happier and healthier lives in old age. We know that this model is not just applicable for older people. At another visit, this time to the Cosy Café in Dudley, I saw NHS professionals working hand in glove with voluntary organisations, and with patients themselves, to support people with learning disabilities and autism to lead the lives they want to lead. Just like the Jean Bishop centre, the Cosy Café deters hospital admissions and acute care. More important, it delivers real change for those people. A man I met there, Nathan, told me that he was moving into his own flat, that he was hoping to learn to drive and that he had gone nine weeks without harming himself. These had been unthinkable for Nathan before. Now he's doing it, thanks to support he got from that joined-up, person-centred service. As important as Oliver's story is as a sign of what the NHS can achieve in the future thanks to innovation, Nathan's story is far more indicative of how the NHS, and other services, will have to work in the years to come.

That, in a nutshell, is what the NHS can do, and must do, to be better placed for the future. If we are truthful, that just covers how we are responding to the generation in Bevan's prams, how we benefit from what they have brought to the world and how we adapt to meet their health needs now that they are entering old age. What about the generations that have followed? What about the prams we can look in now? These questions, if you truly unpack them, are larger than those I can answer as the leader of the NHS. They speak to very deliberate choices that we will have to make as a country and that other countries will also have to solve.

The health of individuals owes far less to the provision of clinical care than it does to the myriad other forces that act on us during our lives: how we're parented, how we are educated, what experiences and opportunities we are able to access, what we put in our bodies, where we live (our housing, our

environment, our access to green spaces). Health also depends on whether we have a job, whether it is secure, whether it pays enough to live on and whether our employer takes our wider needs seriously. It is also about the quality of our social networks, our ability to seek comfort and assistance from friends and family and, increasingly, our resilience to the content and behaviours that can be a feature of social media.

This is not a revelation. Disease, after all, was only one of the five giants that Beveridge set out to tame. Thus, the health of society must take place within a far wider discussion, one in which we ask ourselves uncomfortable questions. Are we serious about giving every child the best possible start in life in the early years? Are we serious about delivering dignity for all in older age? Are we fine with the fact it is far easier for children to buy calorie- and fat-laden food on their way home from school than it is to buy healthy snacks? How do we strike the balance between protecting employees and promoting employers? Do we continue to accept the existence of poverty? Are we prepared to do what it really takes to have enough good quality homes?

These questions speak to the kind of society we want to live in.

One of the questions some people are asking is whether Bevan's vision of the NHS will survive another 75 years or even to its centenary. If you want my view, and you've stayed with me this long, so you might as well have it: I agree with what Bevan said to 13-year-old Sylvia Beckenham on 5 July 1948 as she lay in her bed at Trafford General Hospital, having been presented to the world as the very first NHS patient. The creation of the NHS was, as he said, 'a milestone in history', 'the most civilised step any country had ever taken'. It would therefore be a very brave decision to try to sell a vision of a British future without the NHS. Equally, and perhaps more so, it is going to take many brave choices in the coming years to deliver a future in which the NHS as we know it can survive and can thrive. If I had one piece of advice for those whose job it will be to make those decisions, it would this: keep looking to perambulators. You'll find all the courage you need there. Thank you!

Amanda Pritchard, *Chief Executive Officer, NHS England*

Emmanuel Fellows Working in Medical and Healthcare Research and Teaching

STEPHEN BARCLAY ON IMPROVING PALLIATIVE CARE

‘In this world, nothing can be said to be certain, except death and taxes’, Benjamin Franklin famously wrote in 1789, and as Mahatma Gandhi said, ‘the true measure of any society can be found in how it treats its most vulnerable members’. One such vulnerable group is composed of those approaching and at the end of their lives. We know that current care provision, and patient and family experience, is all too often suboptimal, fragmented and difficult to access, causing avoidable distress and suffering and leaving the bereaved with distressing memories that persist for years after their loved one has died.

Over the last 20 years I have led the progressive development of PELiCam, the university’s palliative and end-of-life care group, based in the primary care unit of the department of public health & primary care. We currently have over 20 members: doctors, nurses, psychologists, social scientists, statisticians and policy experts. We start by seeking better to understand current care provision and the experience of patients, families and clinicians, identifying the barriers and challenges to optimal care provision. We then go on to identify and evaluate effective and cost-effective ways to improve care.

We question established assumptions and perceptions in this area of clinical care, which often lacks a robust evidence base. One of my previous PhD students, Sarah Hoare, now a postdoctoral social scientist in PELiCam, questioned the widespread view that most people prefer to die at home, which has been

foundational to UK end-of-life care policy. She reviewed the UK literature on preferences for place of death and found large amounts of missing data in most studies. While the majority of those who state a preference prefer to die at home, these preferences fluctuate over time; at the same time, many people do not have a preference, are not asked or have higher priorities than place of care and death, including having symptoms controlled or not being a burden to their families. The common assertion that most people prefer to die at home is not valid: there are important nuances and much missing data.

Another of my previous PhD students, Ben Bowers, now a Wellcome Trust postdoctoral community nursing fellow in PELiCam, has questioned the evidence base for the widespread practice, endorsed in national guidance, of 'anticipatory prescribing', in which injectable medications are put in the home in advance of need 'just in case' they are needed for end-of-life symptom control. He found the research literature to be sparse, mainly consisting of clinicians' favourable views, with no research concerning patients' views and experiences. Ben published a seminal literature review revealing the deficits in our evidence base and went on to undertake the first research study that interviewed patients and family members who had these medications in place. Many patients had little understanding of the purpose of these medications and when or how they might be used: some even misunderstood them as a potential form of euthanasia. For many, they were a simultaneously reassuring and frightening memento mori.

Other recent research from our group has developed the evidence base for advance care planning in heart failure, frail older age and multimorbidity. We have an active research programme addressing the inherent uncertainties in modern medicine that come to the fore towards the end of life. The changing role of general practitioners, community nurses and care home staff as we emerge from the Covid-19 pandemic is a growing research area. I have recently been appointed an expert adviser in end-of-life care to the Covid-19 enquiry, bringing our pandemic-related and other research to the enquiry.

Over the last 20 years we have also progressively developed the teaching of palliative care in the School of Clinical Medicine, from an initial single half day to the current 30 half days, with plans for further development. We aim to ensure that all of the 300 doctors who qualify from Cambridge every year are well prepared for the knowledge, skills and attitudes in palliative care they will need once working as doctors, whatever specialty they eventually go into.

We frequently receive unsolicited feedback from our graduates, with comments such as 'I hear your voice every time I'm having a difficult conversation

with a patient or family around end of life. Your sessions were the most profoundly helpful and useful parts of medical school that I still use every day at work.' A senior member of the medical school wrote recently, 'Thanks for your brilliant work in making this one of the best courses we have. In the recent student survey, palliative care got the most positive mentions of any theme or specialty.' Comments such as these encourage our teaching team to keep going!

I have been one of Emma's two Directors of Studies in clinical medicine for the last ten years. We have 15 students in each of the six years of the medical course, so 45 in the final three years of clinical medicine. It is a great privilege to have a part to play in supporting our medics as they develop from nervous 18-year-olds at interview to the new doctors that they become. Some encounter significant family and personal difficulties along the way, and it is a privilege to help as best we can. Over the years there have been a number of students who persevered through significant difficulties and came out the other side as doctors whom I would be happy to have look after myself or a family member. Medical student finance is an alarming and growing national problem and a major source of anxiety and stress for many of our medics, who may not have family able to support them. Several Emma members have recently contributed to our Emma medics' bursary fund, which awards grants to medics in particular financial hardship. Expenses are very considerable during the 46 weeks per year on the clinical course, with little opportunity for paid work.

Death comes to all of our patients, and to each of us as individuals. It is curious that the university had no professor of palliative care until my appointment two years ago. We are working on securing continued funding to support my chair when I retire.

Stephen Barclay, *Bye-Fellow, Clinical Professor of Palliative Care,
School of Clinical Medicine*

ANDREW CONWAY MORRIS ON NEW CURES FOR AN ANCIENT PROBLEM, PNEUMONIA

Pneumonia is one of the major public health challenges facing the world, responsible for two-and-a-half million deaths a year worldwide. Although it has been recognised as a disease since ancient times, it remains surprisingly poorly understood. At the heart of pneumonia lies a paradox: while the body's

own immune defences are vital to clearing the infection, they also drive the lung damage that threatens the patient's life. In seeking to understand how the immune system responds to pneumonia, my research has opened up the possibility of new treatments for this potentially lethal condition.

Pneumonia has been recognised as a disease since at least the time of Hippocrates, who first described the symptoms around 460 BCE. However, despite its burden and long history, we know surprisingly little about how it develops. From the late nineteenth century, the founders of scientific microbiology, including Edwin Krebs, Louis Pasteur and Albert Fraenkel, identified bacteria as the cause of pneumonia, while Georg Fresenius identified fungal pathogens. Viral causes were identified in the 1930s, with the influenza virus confirmed as the cause of seasonal and pandemic influenza. While the identification of causative organisms enabled the development of antibiotic therapies in the 1940s, our lack of understanding of the underlying biology has limited therapeutic advances since then.

Pneumonia is an inflammation of the lung tissues (alveoli) that are responsible for exchanging oxygen and carbon dioxide with the air. As a result, patients often present with breathlessness or difficulty breathing and can develop dangerously low oxygen levels. It is this severe response that is known as 'sepsis', a situation where the infection leads the body's organs to fail. Pneumonia is the most common reason for patients to be admitted under my care in the intensive care unit (ICU) with sepsis, but it can also develop as a complication during the patient's stay in ICU.

When the body's tissues get caught in the crossfire between the defences and invading microbes, the damage may extend beyond the site of infection and lead to so-called 'multiple organ failure'. How inflammation spills over to produce this systemic illness is uncertain, as it does not always require the infecting microbe to escape from the site of infection. Like the injury in the lungs themselves, this 'overspill' into the rest of the body is driven by the host's response to the microbes rather than the organisms themselves. A major theme of my research focuses on how marked systemic inflammation causes immune (white blood) cells to fail. What I have found is that white cells' reduced ability to destroy microbes occurs at the same time as the cells are damaging the patient. This 'worst of all possible worlds' scenario lies at the heart of severe pneumonia.

As the body encounters a major threat, such as severe pneumonia, it brings all its forces to bear. The dominant type of white blood cell in the body is the neutrophil, and these powerful but short-lived cells are released in large amounts

from the bone marrow where they are made. If demand outstrips supply the bone marrow shifts, rather like a wartime factory, ramping up production of new neutrophils. However, these cells are often immature and not fully functional. The same inflammatory molecules that drive this emergency neutrophil release can also 'overdrive' mature cells already in circulation into a state of reduced function, again impairing the clearance of microbes. What we think happens is that the body gets locked into a maladaptive state, where the immune cells damage the host and release inflammatory molecules, driving the production of poorly functioning immune cells that either allow microbes to do more damage or are themselves actively harmful. This cycle self-reinforces, so that even if appropriate antibiotics are administered and the triggering microbes are killed, the inflammatory organ damage persists.

This was precisely the scenario seen during Covid-19, when the virus could trigger a severe pneumonia response. However, by the time this occurred the virus itself had already been eliminated from the body. It was in this scenario that immunosuppressive medications such as dexamethasone (an anti-inflammatory steroid) and some more targeted drugs such as tocilizumab (which blocks the inflammatory protein interleukin-6) proved so effective. As with all drugs, however, these came with side effects. The most notable of these was the increased risk of secondary pneumonias, in which a new organism such as a bacterium or fungus produces further damage to the patient. It is this increased risk of secondary infections that has caused doctors' concerns about applying similar anti-inflammatory approaches beyond Covid-19. This concern is further heightened by our knowledge that the primary infection already drives the impaired white blood cell antimicrobial functions discussed above.

My most recent work has found a further level of complexity in the lungs of patients with severe pneumonia. It turns out that, far from having the same response, patients' lungs exhibit a variety of different immune responses with different underpinning mechanisms. The reason these have not been identified until now is that, from the end of the bed, these distinct responses are not apparent. They are only seen when we examine the patterns of immune cell function and programming in the lungs themselves. I have identified three distinct patterns in patients with severe pneumonia and also found very similar responses to sterile insults such as acid aspiration (from stomach contents) or other lung injuries. While this work is at an early stage, it appears that some of these responses are more harmful than others, and lead to higher rates of death and more prolonged time on a breathing machine (mechanical ventilator). The

hope is that these insights will not only lead to greater insight into the biological mechanisms in pneumonia, but also point to new treatments. The ability to stratify patients by identifying the type of inflammation in their lungs opens the door to personalised treatments for this devastating condition and the safe use of targeted immune-modifying treatments.

Although pneumonia remains a major challenge, the new insights over the past decade into how the immune system tries and sometimes fails to respond hold open the opportunity of breaking the paradox. If we can turn these findings into treatments that can both aid the clearance of infecting organisms while also limiting the damage that occurs to the patient's lungs and other organs, then we may be much closer to finally vanquishing this ancient foe.

Andrew Conway Morris, *Bye-Fellow, MRC Clinician Scientist,
Honorary Consultant in Intensive Care Medicine, Addenbrooke's Hospital*

DAVID INWALD ON CHILDREN'S INTENSIVE CARE AND CLINICAL TRIALS

As an NHS doctor specialising in children's intensive care, I often wonder if some of the treatments that we give to our patients cause more harm than good.

To answer this question systematically, we need clinical trials. These are difficult in critically ill children for many reasons, one of which is the relatively small number of such children available to participate in research in high income countries such as the United Kingdom. This is largely the consequence of good nutrition, vaccination and the natural capacity of children to bounce back from illness and injury. Good clinical trials need large numbers of participants to produce statistically valid results.

Hence, until recently, much of our practice in paediatric intensive care units (PICUs) was based on adult data. While children and adults are (obviously) biologically from the same species, there are important physiological differences between adults and young children, and different patterns of disease, which mean the results of adult trials should not in general be extrapolated to children.

Perhaps one way around this problem might be to focus on individuals rather than populations. That is what I was taught to do as an undergraduate at Cambridge. The focus of the physiology tripos, which I now teach, is often on the spectacular advances in understanding made in the early twentieth century

by meticulous observation and investigation, often of single animals. This is how the mysteries of nerve conduction, for example, were elucidated. The prior understanding was so deficient, and the observations so profound and universal, that it was valid to extrapolate from a single squid nerve fibre to complex mammals such as humans. There was an element of luck here too, as it turns out that the cellular machinery for nerve conduction is highly conserved across the animal kingdom.

This approach was invaluable during my training in intensive care: we intensivists work out how to treat our patients most often by careful observation of their unique physiology, problem-solving and individually tailored treatment. As Richard Asher, one of the foremost medical writers of the mid-twentieth century famously said, 'Use your eyes. Use your tongue. Use your loaf.' For those of you who don't know Cockney rhyming slang, 'loaf of bread' is head, so 'use your loaf' means use your head. Think!

However, individual observation can only go so far. When treating groups of patients with the same condition, we need to look at those groups of patients as distinct populations in whom treatments must be tested on a population basis. This requires a different scientific discipline, clinical trials. Molecular biologists, geneticists, pharmacologists and basic scientists might find therapeutic targets and drugs or other treatments to inhibit or activate those targets; but we still need to show that those treatments work in real patients in the real world before we use them routinely. Not all patients are the same, so large numbers are required to 'see' a statistical signal in populations that naturally consist of diverse individuals.

Clinical trials have underpinned the huge advances in medicine that have been made since the first such trial, conducted in the Royal Navy by James Lind in 1747, showing the benefits of citrus fruit in seamen with scurvy. Clinical trials are the way that new medicines and treatments are evaluated. This is one area in which the UK is genuinely a world leader. The rapid advances in treatment during the recent Covid-19 pandemic were made possible by two large-scale clinical trials, which serially evaluated new treatments for Covid using the same trial architecture: 'adaptive' clinical trials.

Clinical trials can evaluate all kinds of biomedical or behavioural interventions: new treatments (such as novel vaccines, drugs or medical devices), new uses of old medicines, or other interventions such as treatment pathways or bundles of care.

I am the chief investigator of the PRESSURE (PRotocolised Evaluation of permiSSive hypotension versus Usual caRE) trial study, funded by the UK National

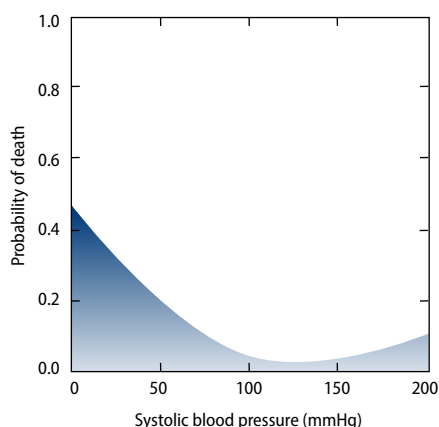
Institute for Health & Care Research (NIHR), which is looking at blood pressure targets in PICUs. The trial is evaluating a treatment pathway intervention – a low end of normal range blood pressure target, or a ‘permissive’ target – in comparison to ‘usual care’, which is higher.

When children are in intensive care, blood pressure can fall. Untreated, low blood pressure (hypotension) can compromise blood flow to tissues and impair organ function, with an increased risk of multiple organ failure, brain damage and death. Hypotension is typically treated by rapid administration of intravenous fluids (‘fluid bolus therapy’) and infusions of drugs, which cause blood vessels to constrict and increase cardiac contractility. Though interventions to treat hypotension may be life-saving, there are also harms. Excessive fluids are associated with prolonged stay in intensive care and increased mortality. The drugs used to increase blood pressure may paradoxically also reduce blood flow in some tissue beds, with adverse effects on organ function. Catheters, which are inserted into large veins (‘central lines’) to administer drugs, are associated with an increased risk of blood clots and infection, particularly in very small children.

Clinicians in paediatric intensive care are faced with the daily task of trying to balance the risks of hypotension with the risks of harm from the interventions to treat it. However, currently there is no high-quality evidence from trials to guide them. The PRESSURE trial aims to provide that evidence.

PRESSURE is an example of a ‘less is more’ clinical trial, testing the hypothesis that aiming at lower physiological targets might be beneficial for the patient. There have been many such trials in recent years, both inside and outside intensive care.

However, in intensive care, both in adults and children, observational data often shows a U-shaped relationship between observed physiological variables and risk of mortality. For example, the severity of illness score used in paediatric intensive care has a U-shaped relationship with admission blood pressure: both a very low and a very high blood pressure seem to be associated with an increased risk of mortality (see graph).



So, while less can indeed be more, very little may be harmful. Perhaps in relation to blood pressure this is not surprising, as no blood pressure means no flow of blood. Our role as triallists in intensive care is therefore not just to limit potentially harmful interventions in a straightforward 'less is more' approach but also to find the sweet spot, the bottom of the U in the U-shaped relationship, where mortality risk is lowest and there is potential for maximum benefit.

Clinical trials are not an individual sport and I have been very lucky to have wonderful collaborators (nurses, doctors, clinical triallists and parents of children who have been in intensive care) to help with the PRESSURE trial. These collaborators are from across the UK network of PICUs and the Paediatric Critical Care Society. The trial would also not have been possible without the expertise of the extraordinary team in the clinical trials unit (CTU) at the Intensive Care National Audit & Research Centre (ICNARC) in London. At Addenbrooke's in Cambridge, I have had supportive colleagues and a great research team to deliver the study.

PRESSURE will help us to determine the best blood pressure target to use for children with low blood pressure in paediatric intensive care. We are aiming to recruit 1900 children from 18 NHS centres from across the UK. The trial is due to complete recruitment in autumn 2025.

David Inwald, *Bye-Fellow, Consultant in Paediatric Intensive Care, Addenbrooke's Hospital, Cambridge University Hospitals NHS Foundation Trust*

MUZAFFER KASER ON THE MENTAL HEALTH OF HEALTH PRACTITIONERS

The NHS has been at the forefront of public discourse for obvious reasons, but one aspect still needs close attention: the state of the NHS staff's mental health. My current job is leading a team providing a specialised mental health clinic solely for the NHS staff in Cambridgeshire. Many healthcare workers face significant mental health challenges, yet accessing timely assessments and treatment has been problematic. Psychiatric illnesses are the most reported reason for sickness absence, accounting for over 581,600 full-time equivalent days lost in August 2023 alone among NHS staff, according to NHS Digital. This is not unique to the UK, as evidence shows that healthcare workers across the globe have higher mental health needs than the average population.

During the first few months of the Covid-19 pandemic, we at the Cambridgeshire and Peterborough NHS Trust led the efforts to provide a rapid access mental health service for healthcare workers in Cambridgeshire. In September 2020, we established the Staff Mental Health Service (SMHS), which offers multidisciplinary mental health care for over 27,000 healthcare workers working across five NHS trusts in the Cambridgeshire integrated care system. The service is one of its kind in the UK.

The demand for the service has been consistently high. In today's NHS, many individuals slip through the cracks of the mental health system; in recent years, healthcare workers have been particularly vulnerable. NHS staff often face significant delays in receiving assessments and treatments, highlighting a critical gap in our healthcare provision. Despite the huge demand, we managed to keep the rapid access promise with a median waiting time for assessment of two weeks, significantly shorter than the 14-week median waiting time in mainstream NHS mental health services. The SMHS has received positive feedback from the NHS staff members who have used the service. Staff patients receiving treatment at SMHS had improvements in depression, anxiety and post-traumatic stress symptoms. We presented the results at the Royal College of Psychiatrists (RCPsych) congress in 2022 and at the European College of Neuropsychopharmacology congress in 2023. The service was featured in a case study by the NHS Employers (<https://www.nhsemployers.org/case-studies/providing-rapid-access-mental-health-services-nhs-staff>).

We obtained external funding from the Evelyn Trust to run a health economics evaluation of the service. In collaboration with the mental health economics group at the University of East Anglia, we investigate the cost-effectiveness of the service and the wider impact on the system. The results from the health economics study will potentially have impact on stakeholders at the national level who are looking for solutions to address mental health needs in the workplace. Our hope is to see the establishment of similar services elsewhere in the UK.

My clinical role has led me to develop interfaces with various disciplines. One key interface is with the occupational health practitioners. I have given talks at the 'health and wellbeing at work' meeting in Birmingham and the occupational health conference in Belfast. Workplace mental health has become a major issue across the country as sickness absence from mental ill health is at an all-time high. It is a multi-layered challenge requiring input from a range of experts, and is a challenge for which a 'one size fits all' approach simply does not work. We shall expect to see more involvement by psychiatrists in a newly emerging specialism

called occupational psychiatry. In my role as an executive committee member of the occupational psychiatry special interest group at the Royal College of Psychiatrists, I with my colleagues try to help identify better approaches and set standards of care for mental health conditions in the workplace context.

In addition to my work in the field of workplace mental health, I contribute to research in experimental medicine. In a Medical Research Council-funded study alongside Birmingham and Bristol universities, we investigate the role of inflammation in mental health conditions such as psychotic experiences. Previous research suggested a link between high inflammation in the body and increased risk for developing psychosis and depression. Our aim is to test the impact of an anti-inflammatory drug, used for rheumatological conditions, on psychotic symptoms and cognitive functions such as memory and concentration. Other projects involve work on the role of certain neurochemicals in decision-making, and the long-term impact of Covid-19 infection on memory.

The discussions around workplace mental health will continue. I am pleased to be playing my part, particularly by offering much needed mental health input for NHS staff. I believe the health of its staff is crucial for any improvement in the NHS. I am happy to discuss different perspectives or any further questions on my work over a lunch or coffee at the college, just after a short appreciative chat of the infamous Emma desserts.

Muzaffer Kaser, *Bye-Fellow, Consultant Psychiatrist, Staff Mental Health Service, Cambridgeshire & Peterborough NHS Foundation Trust, and Affiliated Assistant Professor, Department of Psychiatry, School of Clinical Medicine*

MATTHEW SEAH ON STEM CELLS AND OSTEOARTHRITIS

Several decades ago, we began to dream of the marvellous healing powers of stem cells. The era of regenerative medicine was dawning. Soon, we believed, we would be using stem cells to repair and replace damaged hearts, joints, kidneys, livers and more. You name it, stem cells would fix it.

Yet decades have passed and we are still waiting. Despite years of stem cell research, the holy grail of regenerative medicine remains elusive. The lack of evidence has not deterred many entrepreneurs, and a quick online search identifies stem cell clinics that appear to offer cures for almost anything, ranging from Alzheimer's to autism. The problem? For all the buzz that has surrounded

the supposed miracle potential of stem cells, much more research is still needed. My research focuses on the use of cell therapies in osteoarthritis.

Osteoarthritis (OA): understanding the disease

OA represents a large burden for global health and social care systems, affecting approximately ten million people in the UK alone. However, there is no effective intervention capable of regenerating damaged joint cartilage in OA and current clinical management for end-stage disease remains joint replacement surgery. The treatment of OA at earlier stages is less clear and represents an important area of unmet clinical need. Around half of the patients with OA in the UK are between 45 and 65 years of age, in whom knee replacement is known to have a higher risk of revision surgery. For example, national joint registry data suggest that a primary total knee replacement performed in a patient under the age of 55 years is almost three times more likely to require revision surgery at ten years compared with a patient above the age of 55. The unmet need coupled with the limitations of conventional joint replacements has led to great interest in the development of new treatments for early OA, in order to modify symptoms and/or to modify the natural history, with the aim to delay or negate the need for joint replacement.

It is important to appreciate that OA at early stages is heterogeneous, both in terms of disease progression and pathogenesis. OA is typically described as a heterogeneous disease with a wide range of underlying pathways that lead to similar outcomes of joint destruction. In this context, OA can be considered as a syndrome rather than as a single disease. Each of the common OA risk factors might instigate a different mechanistic pathway leading to disease; for example, the mediators that promote the development of OA in older adults might be different from those that promote OA after a joint injury in a younger adult. A number of stratifications have been proposed on the basis of specific drivers of OA, including increased inflammation, mechanical overload, metabolic aberrations and cell ageing. These mechanistic phenotypes probably overlap. Part of my work compares OA and non-OA tissue samples in order to elucidate signatures of early disease types. Stratification of patients in early-stage OA therefore offers a window of opportunity for intervention.

MSCs: understanding the treatment

Mesenchymal stem/stromal cells (MSCs) have emerged in the field of regenerative medicine on account of their ease of harvest (that is, these are adult-derived cells) and their capacity to differentiate into specific cell types. Additionally, MSCs

secrete various factors that can modulate the inflammation seen in disease and injury, thereby influencing the regenerative process. MSCs are abundantly found in bone marrow, but also exist in many tissues around the body. The diversity of MSCs with respect to embryonic origins, tissue source and biological properties has also been recognised, and the differences between cell subpopulations imply that there may be some that have more therapeutic potential than others in the context of tissue regeneration. Furthermore, MSCs from the same tissue source may vary dynamically in response to local inflammatory milieus after tissue damage. Crucially, their precise mechanism of action remains poorly understood and the study of heterogeneity in MSCs is important to maximise the therapeutic benefits of these cells.

One of my projects looks at the regenerative effects of MSC therapies in an animal model of bone and cartilage loss. This builds on existing knowledge of bone marrow stimulation techniques that are currently in clinical use for cartilage defects in patients. Preliminary results show that MSC therapies improve both histological and clinical outcomes in an animal model with bone and cartilage loss in the knee joint. To understand the changes in behaviour of the cell therapy during the repair process, a novel technique is used in which the cell therapy is injected into the mouse knee and subsequently retrieved at different time points for analysis. This allows for the identification of MSC subpopulations with different functional roles during different phases of tissue repair, as well as the identification of specific interactions with the host cell populations that may underlie tissue regeneration. In particular, the technique identifies a proliferative subpopulation of cells that appears to be the driver of cartilage regeneration in this model, and another 'anti-inflammatory' subpopulation that produces factors antagonising several pain pathways. I am currently investigating whether a cell therapy can be primed or the subpopulations manipulated in order to improve their therapeutic effects.

The heterogeneity both in patients with the early stages of OA (progression and pathogenesis) and also in cell therapies makes the interpretation of findings from clinical studies challenging. As always, one solution does not fit all and the stratification of patients with OA, coupled with a more thorough understanding of cell therapies, will contribute to our ability to develop more effective interventions. To achieve widespread adoption, effectiveness and cost-effectiveness are important, particularly in therapies looking to alter the natural history of OA, over and above symptom relief. We are at the start of an era of unprecedented opportunity for musculoskeletal therapy development, not least for patients suffering from OA.

In the coming year, I will be undertaking a hip and knee reconstruction fellowship at the University of British Columbia (UBC) and Vancouver General Hospital. I will be seeking to develop this work in collaboration with UBC with the tantalising possibility that a real difference can be made to improve the lives of millions of people living with osteoarthritis.

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

NIKITA SUSHENTSEV ON APPROACHES TO PROSTATE CANCER

One in six men will be diagnosed with prostate cancer in their lifetime, yet only a small fraction will face a lethal outcome. Over 20 years ago, this paradox prompted UK surgeons to initiate ProtecT (prostate testing for cancer and treatment), one of the boldest clinical trials in history. A group of 1643 men with localised prostate cancer and life expectancy of at least ten years were randomly assigned to surgery, radiotherapy or active monitoring. Fifteen years later, the results were striking: only 45 men (2.7 per cent) had died from prostate cancer, with no significant differences among the treatment groups.

These findings can be distilled into two key points. Most men with localised prostate cancer can live long lives without receiving debilitating treatment. Yet, a small group of patients with aggressive, undetected disease could not be cured, however early they were treated. Understanding which prostate cancers are lethal and how to spot them early enough to give these men hope of cure is therefore the key research question in the field.

This is where my work comes in, with its aim once aptly described by *The Sunday Times* as ‘distinguishing tigers from pussycats’. How am I hoping to achieve this as an academic radiologist? First, I take a step back from the grayscale world of MRI and look at the tumours of ProtecT participants under the microscope. By doing so, we can try to differentiate lesions that metastasised and became lethal from those that remained localised or were effectively treated. Early analysis is promising, with the full results expected at the start of the 2024–25 academic year. Since half of the ProtecT biopsies are stored in Oxford, the mutual agreement between Emmanuel and Exeter colleges has been key to enabling me to complete this crucial work as a Visiting Fellow at our sister college.

If our preliminary results are confirmed, will it make a difference to patients? It appears that most ‘tigers’ from ProtecT come in the shape of sieve-like tumours,

which are diagnosed in about ten per cent of newly presenting men. In contemporary clinical guidelines, these lesions are considered intermediate-risk, which means that a lot of patients with this type of cancer are still offered active surveillance instead of treatment. Demonstrating their increased aggressiveness in a randomised controlled trial such as ProtecT could therefore lead to revisiting the current approach to risk stratification. Practically, as more patients with sieve-like disease would be treated, more patients with other types of intermediate-risk prostate cancer could be more confident about delaying their treatment.

The trouble is that sieve-like disease is notoriously difficult to detect with routinely used diagnostic approaches. Specifically, MRI, which is now offered to all patients with suspected prostate cancer thanks to revolutionary research done in the UK, can misdiagnose up to a third of sieve-like lesions. This is because standard MRI is designed to detect *all* prostate cancers rather than to separate them into specific subtypes. So how do we know which technique to use?

The rapidly expanding Cambridge biomedical campus offers unparalleled collaboration opportunities among academics, clinicians and industry. In close partnership with researchers from AstraZeneca, we have identified specific biomarkers of sieve-like disease, which can both explain its aggressiveness and also be used for diagnostic purposes. We now have pilot clinical data suggesting that a certain type of PET scan is superior to standard MRI for accurately identifying sieve-like lesions. Over the remainder of my Research Fellowship, I hope to publish these pieces of evidence and to put together funding proposals for clinical trials that can prove the ability of new imaging techniques to detect sieve-like cancer early and thereby improve prognosis for patients harbouring it.

For clinicians, full-time research is a luxury. A Research Fellowship at Emmanuel has thus offered me a unique opportunity to focus on the work that I believe can make a real clinical and academic impact. College life also exposes one to ideas of others, which are a great source of inspiration. I was therefore pleased to be involved in reviving the Thomas Young Club as an after-dinner discussion club in which Fellows and students come together to discuss ideas behind excellent research. After all, as Karl Popper said, we are not students of subjects, but students of problems. As problems often transcend disciplinary boundaries, solving the grayscale mysteries of MRI sometimes requires a closer look through a microscope.

This brings me to another strand of my research, which has developed naturally from the work just described. When a patient hears the c-word for the first time, they are often lost and shell-shocked. Will I live? If so, for how long? Should I be treated? If yes, what is the best option for me and how do I know if it works? In my view, the

most important c-word that follows on from the diagnosis of cancer is confidence. If both the patient and their clinician are confident in management decisions they make together, their cooperation is primed for success.

The trouble is that confidence is not always achieved easily. Patients who are diagnosed with intermediate-risk prostate cancer often must choose between treatment and active surveillance. While offering the best chances for curing the disease, radical treatment can drastically decrease one's quality of life because of serious, and often permanent, side effects. Conversely, the choice of active surveillance, which essentially means deferring treatment until the disease shows signs of progression, can help patients live their lives to the full so long as they undergo routine checks. The latter involve regular blood tests for prostate-specific antigen or PSA, as it is more commonly known, infrequent MRI scans to see if the lesion is still within the prostate, and occasional biopsies to check if the cancer is still of the same risk category.

Although the current active surveillance approach sounds robust, there are several problems that deter men from adopting it more widely. First, up to a third of patients enrolled on active surveillance experience disease progression over the first three years. This is far from acceptable, since the goal of active surveillance is to defer treatment by at least ten or 15 years. Why, then, are we failing so many patients? Because our diagnostic methods for selecting candidates for active surveillance, such as an MRI, which can miss sieve-like tumours, or biopsy, which can miss the most aggressive part of cancer, are imperfect. Had we been able to be a little more precise in estimating the risk of someone's disease progressing quickly if monitored, we would have treated these men straight away.

However, even when we are confident about offering active surveillance to a patient, there are no universally accepted recommendations on how exactly they should be monitored. How often should they have a PSA test? What should be its result: either to trigger further investigations or to let them be? How often should we invite them back for an MRI? How much should their tumour grow to justify repeating a biopsy? How do we even convince a patient that they absolutely must undergo this dreadful procedure again? As you can see, confidence is not the key strength of contemporary active surveillance approaches, and this is what we are hoping to improve with our current work.

In collaboration with excellent mathematicians at UCL, we have developed a prototype risk calculator that has shown early promise in increasing the confidence of both patients and clinicians in their active surveillance choices. The baseline component of our risk calculator, which is called PROGRESS Prostate, is designed

to calculate the risk of three-year disease progression if the patient is offered active surveillance. On the one hand, the current version of the calculator can confidently identify up to 15 per cent of men who have a 95 per cent chance of short-term tumour progression; this clearly means that active surveillance is not for them. On the other hand, the calculator can also identify another 15 per cent of patients who have a 95 per cent chance of staying progression-free, which again may increase their confidence in deferring treatment.

What do we do about the remaining 70 per cent of patients? Depending on their baseline risk of progression, we can ask some of them to have their MRI scans annually to avoid unpleasant surprises. Whenever they have a new PSA test or an MRI, they can input the results into the calculator, which will automatically update their risk of tumour progression, thereby justifying the need for additional investigations. We believe that this approach is the closest to what is currently being described as a 'personalised, risk-adapted active surveillance', the development of which is considered the highest research priority in the field.

Our next steps include further improvement and validation of the pilot risk calculator in collaboration with other clinical centres, such as UCL and Oxford. We have also teamed up with Emmanuel Fellow Dr Juliet Usher-Smith to apply for a joint grant proposal, which will build on Juliet's extensive expertise in patient and public engagement to ensure that the developed tool serves the best interest of those for whom it is designed. If successful, this joint work will bring PROGRESS Prostate one step closer to prospective national validation, which will be critical to ascertaining its benefit to men in real clinical practice.

As with the ProtecT work, the Research Fellowship of Emmanuel has offered me the luxury of time to focus on completing the pilot phase of the project and to write up a strong grant proposal that can now be submitted to funders. As an academic clinician, I feel privileged to be able to conduct research that has a clear line of sight towards patient benefit, which is something that motivates and inspires me daily. So does the college community, to which I am trying to contribute through the Thomas Young Club and providing anatomy teaching for our excellent undergraduate medics.

Looking forward, I am hopeful that some of the work conducted at Emmanuel will transform prostate cancer management, offering hope and clarity to patients facing difficult choices. The relentless commitment to innovation and patient-centred care shown by everyone in Cambridge drives us all to work towards a future where confidence in cancer diagnosis and treatment decisions is the norm, not the exception.

Nikita Sushentsev, *Research Fellow, Honorary Clinical Fellow,
Department of Radiology, School of Clinical Medicine*

JULIET USHER-SMITH ON RISK PREDICTION IN CLINICAL CARE

Risk and probability are central to medicine. Fewer than half of consultations with GPs result in a single diagnosis, no test is perfect, and not every patient benefits from most treatments or interventions since some benefit, some are unaffected and some are harmed. While the number of people needed to be treated for one to benefit is close to one for some surgical interventions, over 50 patients need to be treated for one to benefit even for well-established treatments, such as aspirin to prevent cardiovascular disease in patients after a stroke or heart attack. These numbers are even larger for screening. Over 750 women need to be screened to prevent one death from breast cancer and 1250 people screened to prevent one death from colorectal cancer.

Identifying which people are more likely to benefit and targeting treatments and interventions at them have the potential to improve the effectiveness and efficiency of the healthcare system. This is variously termed 'precision medicine' or 'risk-stratified medicine'.

The concept of risk-stratified medicine itself is not new. However, with the increase in the quality and quantity of data available now within healthcare, it is possible to estimate each person's risk of developing, or dying from, a given disease and their risk of benefiting from treatments with increasing accuracy. Recent interest in statistical approaches based on artificial intelligence and machine learning has also resulted in a rapid increase in the number of risk prediction models being developed.

With a few notable exceptions, the vast majority of these risk prediction models, however, are never routinely used within healthcare. The reasons for this are many and include a lack of validation studies, a lack of transparency in publishing the models, a lack of a clear clinical use cases, and a lack of user-friendly risk prediction tools. My research focuses on bridging this translational gap between the development of risk prediction models and successful implementation within healthcare systems. This involves using a range of research methods to evaluate the performance of risk models, to consider the practical, ethical, psychological and behavioural impacts of implementing models, and conducting feasibility studies and proof-of-concept clinical trials within clinical care. This work is multidisciplinary, working with statisticians, behavioural scientists, healthcare economists, social scientists, engineers and epidemiologists. Much of it also involves working with members of the public, patients and healthcare professionals to co-create and evaluate pathways and tools.

One key step required before implementation of a given risk prediction model is evaluating how it performs in the population of interest. Except for situations with a truly dichotomous disease status (for example, dead or alive), the performance of all tests in healthcare varies with the prevalence and distribution of disease in a population. Tests or risk models developed in populations with a higher prevalence of disease, for example in hospital settings or in cohorts known to be at high risk from family history or other risk factors, will typically be less good at correctly identifying those with disease and so will miss more cases when applied in populations with lower disease prevalence, such as in primary care or in the general population. The performance of risk prediction models in the population in which they have been developed is also typically better than in other populations because of both methodological differences in how risk factors are measured and collected and also, particularly in the case of genetics, biological differences among groups. By reviewing the literature to identify models and comparing their performance head-to-head, we have quantified this across multiple diseases.

The next step is being clear about the purpose of the risk prediction model. One use is to identify those individuals most likely to benefit from preventative interventions. Examples of risk models that are currently used in healthcare for this are QRISK3, which calculates a person's risk of developing a heart attack or stroke over the next ten years and is used to inform decisions around prescription of statins and other preventative interventions, and CanRisk, <https://www.canrisk.org>, an online tool that enables healthcare professionals to calculate an individual's future risks of developing breast and ovarian cancer, and to guide decisions around genetic testing and preventative treatment, such as mastectomy. In the context of bowel cancer screening, which was the focus of my recent fellowship, risk prediction models could be used to change the age at which people are first invited, the choice of screening test, the threshold at which they are referred for further investigations and/or the frequency of screening invitation. Each of these have the potential to improve the efficiency of the programme. For example, using a mathematical simulation of the English bowel cancer screening programme we showed, together with colleagues from the University of Sheffield, that inviting individuals to screening based on their estimated risk could prevent 156 more bowel cancer deaths per 100,000 people compared to inviting the same number of people from a fixed age, in this case age 60.

Risk prediction models can also be used to provide patients and clinicians with prognostic information to inform decisions around treatment or surveillance.

An example from our work is a new online tool, PREDICT kidney, that we are developing to provide patients who have had surgery for localised kidney cancer with information about their risk of recurrence. The tool builds on the success of the PREDICT breast and PREDICT prostate tools that were developed here in Cambridge. We are developing a new risk prediction model that estimates risk of recurrence that accounts for risk of death from other causes and have held co-design workshops with patients, members of the public and clinicians to design the tool. We are now setting up a clinical trial across three hospitals in England and Scotland to test it within routine consultations.

Communicating risk has also been proposed as a way to motivate individuals to change their behaviour. While members of the public in most of our research feel this is an important potential benefit, evidence from our own studies and wider reviews of the literature suggest that any overall impact on habitual behaviours is unlikely to be significant. This is at least in part because of observations that risk perception is not as simple as being able to recall a number: in a review of studies in which participants had been given information about risk of cancer, we found that only 87 per cent were able to recall the number they were given immediately after a consultation and fewer than half of those believed that actually to reflect their risk. Instead, individuals' perception of their own risk is based on a complex integration of cognitive and social biases arising from cultural beliefs and individual past experiences and expectations. As a consequence, the processing of risk information is not purely 'rational' or 'objective' and in many cases does not match with the information given. We, and others, have shown that this also extends to the decisions individuals make when faced with information about risk, with participants in many studies explicitly acknowledging the 'irrelevance' of risk. However, while decisions about screening uptake for the majority of individuals may not be influenced by absolute levels of risk, we have also shown that telling people that they are at higher risk has the potential to increase uptake, while participants told they are low risk are up to 15 per cent less likely to intend to take up screening.

These findings have important implications for how risk is communicated and how risk groupings are framed within any risk-stratified programme. They also highlight the importance of understanding the perspectives of target populations and society more broadly when designing implementation strategies. Whatever the clinical use case, any explicit use of risk prediction models within healthcare needs to be acceptable to the public and to those involved in commissioning or delivering the care.

We use a range of methods to assess public acceptability towards risk stratification and to inform strategies for communication. These include community juries, in which members of the public hear information from experts and then consider together a series of questions from the perspective of the wider society, and discrete choice experiments, in which members of the public choose between different strategies to allow us to identify the underlying relative importance of different attributes. Our findings show that members of the UK public are receptive, both from a societal and an individual perspective, to the concept of risk stratification. Overall acceptability is influenced by the accuracy of the risk model and the burden associated with the risk assessment. The number of lives saved or deaths prevented is the most influential factor, contributing up to 60 per cent of the choice, and is three times more important than the number of people experiencing physical harms or having unnecessary testing. The public also prefer more comprehensive risk models and those incorporating fixed attributes such as sex or genetic risk rather than potentially modifiable lifestyle factors such as smoking.

We also conduct feasibility studies and proof-of-concept studies within clinical care to assess the acceptability of specific pathways both to the target population and also to healthcare professionals involved in delivery of care. Current examples include the clinical trial evaluating the PREDICT kidney tool among patients treated for localised kidney cancer and a feasibility study of using CanRisk within primary care to identify women eligible for enhanced breast cancer screening. We are also collaborating with colleagues at the University of Edinburgh and Queen Mary University in London on a five-year programme of research to conduct the first feasibility study of incorporating risk stratification into the English and Scottish bowel cancer screening programmes. By understanding what works and what does not work in these settings, together with our findings around the selection of a risk model, the communication of risk and the views of key stakeholders, we hope that our work will help bridge the gap between the development of risk prediction models and successful implementation within healthcare systems.

Juliet Usher-Smith, *Official Fellow, Associate Professor of General Practice, Department of Public Health & Primary Care, School of Clinical Medicine*

SIXTY YEARS OF CAMBRIDGE PRECLINICAL TEACHING: TEN YEARS RECEIVING AND 50 YEARS DISHING OUT

I arrived in the department of physiology on the Downing site in the first week of October 1964. I was apprehensive: even in those days there were some of us from direct grant and grammar schools who felt anxious about the social context of Cambridge. Despite having had the privilege of acting as a technician to a group of Nobel prize-winners at the Laboratory for Molecular Biology, I did have an element of impostor syndrome.

I was at St Catharine's College as an undergraduate. In those days admission was largely by recommendation from a teacher at one's school, and my biology master got in first, before the headmaster (Emmanuel), the chemistry master (Keble), or the physics teacher (Trinity). The young men reading medicine there were mainly from good northern grammar schools and much more worldly than I. There was a Wykehamist who inevitably went on to make a lot of money as a plastic surgeon, and there was a young man from London who left the course at the end of our second year, converted to law and became very distinguished: Hugh Laddie. In my year there were three colleges admitting women. Newnham and Girton had been long established but New Hall had only just started admitting women to read natural sciences for medicine.

At the time we all read natural sciences, and the physiology and biochemistry classes were huge. The biochemistry lectures took place in the chemistry lecture theatre in Lensfield Road. The vets, natural scientists and medics were taught together for these sessions. The anatomy lectures took place in the anatomy department in the old-fashioned and dowdy lecture theatre, with a skeleton hanging from a peg in one corner and a huge set of sliding blackboards as the backdrop. The physiology lectures took place in the physiology department lecture theatre on the ground floor, which was often so crowded that people were sitting on the steps of the steeply banked auditorium. In the second year, anatomy and physiology continued but pathology was added and took place in the pathology lecture theatre off Tennis Court Road. Pharmacology was not a separate tripos subject but was taught in a five-week vacation course in the first long vacation. Medical students did not get a long vacation in their first year.

The teaching we received was an incredibly mixed bag. There was no such thing as feedback to lecturers; had there been, things might have improved. Anatomy was largely taught in the dissection room and bore no relationship to the future

practice of medicine or surgery, other than a very occasional nod to something like measuring central venous pressure or explaining how important the scaphoid bone is in wrist fractures. Mostly it was anatomy for anatomy's sake. We worked in pairs in the dissecting room. My partner was a young man from King's called Jonathan Brenner, whose stepfather was Sydney Brenner, the Nobel prize-winner. Jonathan had little interest in medicine and was much more interested in opera, music, theatre, costume and art. We dissected in sequence the upper limb, thorax and abdomen, lower limb and then, in the long vacation, head and neck. There were approximately fortnightly viva voce examinations which you had to pass in order to have your diligent conduct pass signed. There were four each of these on the limbs and six each of these on the other major areas.

It would be fair to say that there was not as much respect for the cadavers as there should have been. There were lots of crude jokes and the demonstrators also competed to be funny at the expense of the cadaver. In some ways the anatomy was easier for us in those days because we had all been forced to take Latin as a GCE subject to get into Cambridge, so the terminology was less strange than it might be for students today. However, the content was ridiculous. We had to know the anatomy in quite irrelevant detail. The other very unfair thing was that a pair of students had to pass each viva and, given Jonathan's lack of input, I failed more vivas first time than I passed. At the end of the first Easter term Jonathan failed the tripos and I was given a new partner. I did much better on head and neck!

The anatomy lectures largely consisted of Max Bull, a Fellow of Queens', demonstrating his artistic skill as he scrawled all over the blackboards in multi-coloured chalks demonstrating the rotation of the gut in embryology, or how the pancreas came to be where it is. I suppose it could have been useful, but it did not feel that way. There were others who have now faded from the memory who also, with perhaps less artistry, tried to convey what would now be done with imaging and a greater degree of explanation of its significance.

Anatomy supervision was very hit and miss. My own anatomy supervisor was unpleasantly aggressive and sarcastic. The only advantage for me in having him as a supervisor was that it was not possible for me to have him as an examiner in the viva voce examination that formed part of our tripos assessment. At the time the majority of those teaching anatomy were surgeons who had given up surgical practice and were now professional anatomists.

In the 1960s and 1970s the physiology department was one of the darlings of the university. There were several Nobel prize-winners still around. Hill,

Adrian, Hodgkin, Huxley all still gave the occasional lecture. Hodgkin actually gave a complete course of lectures on nerve and muscle in the first year and a very advanced course on the same subject, much more mathematical, in Part II. Unfortunately, there were others who were not only less distinguished but also proved themselves incapable of lecturing. For many of us it was only our supervisors who enabled us to emerge from the course with a deeper understanding. I confess that I did not attend most of the physiology lectures and was summoned by the head of department to explain myself, shortly before the first-year examinations. I did explain myself and was left in no doubt that I would have to do well in the examinations or be thrown out. I had, apparently, also forgotten to sign in for most of the practical classes but I had attended; they were really quite interesting and very hands-on.

It would be worth explaining how the practical classes in those days differed from the ones today. There were three major differences. The first was the recording equipment. Ironically, given that it was our head of department, Professor Sir Bryan Matthews, who pioneered the use of the cathode ray tube for recording fast electrical changes, we used a lot of smoked drums and needles scratching a trace on the revolving cylinders. We did use oscilloscopes for a small number of experiments and the fun with those was that they could pick up the signals from the police radios in the adjacent central police headquarters on Regent Street. The second difference was that the 1986 Animals (Scientific Procedures) Act had not been passed and so there was a lot more use of animals in experiments. Each student would use frogs for electrical recording of nerve and muscle activity, and they would do three experiments using decerebrate rabbits to explore the behaviour of the cardiovascular and respiratory systems.

The third difference was that there was no health and safety officer and so one or two experiments using students themselves as subjects probably crossed over into the dangerous. One experiment in particular stands out, in which a student is made hypoxic without allowing carbon dioxide to rise in concentration. This was a legacy of the Second World War and Sir Bryan. Sir Bryan had undertaken a number of experiments to find out why high-flying fighter pilots crashed without any evidence of mechanical failure. He had developed a hypobaric chamber in which he made himself anoxic and discovered that this led to loss of consciousness without any forewarning. The condition was mimicked in the practical classroom by having a student rebreathe from a spirometer containing air with a carbon dioxide absorber in the circuit. The student was told to write their name continuously on a piece of paper. The experiment was terminated

when the student started to write gobbledegook. The student always had no idea that they were not still writing their name. There is a video of Jonathan Miller doing this experiment in which he absolutely hams it up when he comes away from the apparatus and reaches for an oxygen mask.

There was one further consequence of the passing of the 1986 Act. A whole series of demonstrations of animal preparations to both medical and veterinary students had to be stopped. Reduce, refine, replace, the mantra of the Act, meant that the live demonstrations, some of which were difficult to make work, stopped being justifiable. Prior to this, a number of students had taken a position against animal experimentation and, in the end, their voice had been heard.

It is important to say something about the exams in the '60s and '70s. In medicine the tripos is only part of the qualification needed to go on to medical school. There are also the second MB examinations, which need to be taken and passed in order for students to proceed to clinical school. When I was at school there was still a first MB examination in biology, physics and chemistry, which allowed entry to the undergraduate course, but most of us were exempted from it by passing A-levels. In consequence, those of us who wanted to do medicine had to study biology, physics and chemistry, which I regretted as I think mathematics would have been very useful. The second MB examinations have evolved over the years as the General Medical Council has flexed its muscles to include more clinically relevant material in the preclinical courses.

Originally only physiology and anatomy had second MB significance. These exams were exempted in the second-year tripos. In 1964 the first-year examinations were preliminary exams and so everyone had to take all the first two years' worth of anatomy, physiology and biochemistry in a comprehensive set of papers at the end of the Easter term. The majority of people also took pathology, but some people who had struggled a little with the first-year course were able to defer pathology to their third year, when they added a subject from elsewhere in the natural sciences to give them an easier third-year load.

This all changed once the GMC started to take a greater interest in preclinical training and once the clinical school at Addenbrooke's started to increase its intake and grow in importance. It was 1976, when the majority of students still went to London or Oxford for their clinical training, that the first medical students were admitted to Addenbrooke's. For many years students had to apply to each of the medical schools individually and we had to write references individually to each of those clinical schools. David Woollam, one of our then Fellows, arranged a lunch at Emmanuel every year at the Oxford and Cambridge Club and, at one

of those lunches, we decided to introduce a centralised system for application to clinical school. This is the system that persisted until 2017, when all Cambridge preclinical students were accepted onto the clinical course at Addenbrooke's.

There was a major disruption to the system of teaching following the report *Tomorrow's Doctors*, which came out in 1993. The reorganisation of the course led to a number of teething problems, most notably to severe overload in the second year. This overload has only partially been addressed. The problem was that some people insisted on adding a student option component to the second year, already a heavy workload, and this became a running sore for a number of years until a further reorganisation led to the current situation. There were trendy changes of name, but in essence students now study anatomy, biochemistry and physiology in the first year with some additional clinical components. 'Preparing for patients' sees them attending outpatient clinics at the hospital, 'Introduction to the scientific basis of medicine' sees them looking at evidence-based practice and 'The social and ethical context of health and illness' introduces them to ethics, law and social influences on practice. Each of these add-ons has a second MB attached.

In the second year, pharmacology is now no longer a long-vacation course and has, for some time, been part of the 1B tripos. The old physiology and anatomy elements of my second-year course are now separate as 'Head and neck anatomy' and 'Neurobiology and human behaviour', psychology being a significant part of the latter.

In the context of these structural changes, where have the biggest improvements come and where are the biggest problems that remain?

The biggest improvement has been in the quality of the teaching. There is so much more material to cover, with so much more technical background and such a rapid rate of acquisition of new knowledge, that it is not possible to allow students to rely, as I did, upon textbooks. There is pressure on lecturers to distil the essential material and guide much more didactically the learning of the students. This means that often the experimental basis for the factual information conveyed is not explored. I personally enjoy that because it gives me something to add in the supervisions in which I so thoroughly enjoy participating. It does mean that it is more difficult to create the spirit of enquiry that formerly pervaded the Cambridge undergraduate course, and I believe that it makes the third year, with possibly a scientific project, more important for those who wish to become clinical scientists.

The improvement in lecturing quality was largely driven by the quality assurance inspections of a few years ago. Paper trails, including 360-degree feedback, meant that there was no hiding place for the lecturers who were

failing to deliver. On a personal note, I had my lectures monitored just before the millennium, at a time when I had no voice because I had nodules on my vocal cords. This stressful experience was made even more stressful when I arrived home to find that my house had been broken into and my collection of vinyl, including the White Album, had been taken away!

If lectures have improved, I believe the quality of supervision has become much more variable. There are relatively few university teaching officers who actually wish to teach in colleges. Indeed, many are discouraged by their heads of department from doing so. As a result, there is, in medicine, a tendency for supervision to be handed over to fourth- and fifth-year clinical students. This can be beneficial, especially for the teacher, but it is important for Directors of Studies to monitor such teaching and ensure that it achieves its intention, to deal with areas of the course that have not been understood and to ensure that all students can keep up with the very fast pace of Cambridge teaching.

One further observation: the harshness with which my supervisors treated us is, quite rightly, no longer acceptable. Students do need more guidance and help than we did, but that is no bad thing. Some of my contemporaries crashed and burned. I hope that is no longer the case here at Emmanuel.

Richard Barnes, *Life Fellow*

Emmanuel Histories

COSMIC CARVINGS: THE LIBRARY WINDOW SCULPTURES

The mellow Edwardian red-brick building, known to generations of Emmanuel students as the college library, began life in 1909 as the New Lecture Rooms. It was designed by one of the leading architects of the day, Leonard Stokes, whose trademark style was a highly successful blending of elements from different architectural periods. The building was extended in 1929–30 after the college decided that rooms possessing such a ‘spacious and rich stateliness’ were too good to be used for lectures but were ‘well fitted to become part of a College Library which in beauty and convenience will be second to none’. The most attractive external decorations of the building are the sculptures adorning the two pairs of ground-floor windows that overlook the Paddock.



The carving of Ceres, goddess of the harvest, for the month September on the 1929–30 extension of the college library

Tempus fugit

Above each window is an arched hood-mould containing six beautifully carved, if slightly weathered, voussoir stones. The carvings comprise two elements: a bas-relief sculpture on the face of the stone and a smaller motif carved on each of the narrow sides. The westernmost windows date from 1909, the others from the 1930 extension, and in both cases the carvings represent the 12 months of the year. This scheme had probably been chosen by the architect, for Stokes certainly liked the theme of the passing of time. When designing North Court a few years later, he envisaged including a set of carvings representing the 'seven ages of man', but the designs were vetoed by the college as being too outré. The artist whom Stokes engaged to provide North Court's other carvings (and doubtless the rejected set, too) was Abraham Broadbent, one of the finest stone sculptors of his day. It is possible, although unproven, that Broadbent had also carved the 1909 library window stones. If so, perhaps the 1930 set, so stylistically similar, was the work of his equally accomplished sculptor son, Eric, Abraham having died in 1919.

Stellar stones

The 12 carvings in the 1909 windows depict the familiar star signs of the western zodiac. Some of the side motifs merely duplicate the main design (Gemini, Scorpio), while others supplement it (Libra, Sagittarius). The sides of all three earth signs bear sheafs of corn, with slight variations. The side motif for the fire sign Aries has so far defied any convincing interpretation.

Aries: Ram. Side motif: uncertain

Taurus: Bull. Side motif: corn sheaf

Gemini: Twin cherubs. Side motif: cherubs

Cancer: Crab. Side motif: whelk

Leo: Lion. Side motif: lion affronty

Virgo: Maiden. Side motif: corn sheaf and sickle

Libra: Balance scales. Side motif: bell weights

Scorpio: Scorpion. Side motif: scorpion

Sagittarius: Centaur. Side motif: quiver of arrows

Capricorn: Goat. Side motif: corn sheaf

Aquarius: Water carrier. Side motif: ewer

Pisces: Fish. Side motif: whelk

Ye Gods

The 1928–29 *College Magazine*, reporting on the progress of the library extension, informed readers that ‘the new pair of corridor windows will probably have carved on the arches symbols of the twelve months to correspond with the twelve signs of the Zodiac in the existing corridor windows – a charming piece of sculpture which not all members of the College have noticed as they deserve’. The later windows were indeed furnished with carvings representing the calendar, as embodied by a mixture of Roman deities and statesmen. Some of them are easily identifiable, but not all. For one thing, the window arches are too high to allow close inspection and it is especially hard to see the side motifs, which in some cases provide crucial clues. In ancient Rome, each month of the year was associated with a specific immortal, but this is not a reliable guide to our carvings, as only half of them depict the appropriate deity. Nevertheless, by examining enlarged images it has been possible to compile the following name-roll. The names of the ‘correct’ deities for each month are given in brackets.

January: *Janus*. God of beginnings and endings, looking forward and back. Side motif: portal. [Juno]

February: *Faunus*. God of woods and countryside; depicted with pointed ears, like his Greek equivalent, Pan. Side motif: pan-pipes. [Neptune]

March: *Minerva*. Goddess of wisdom and learning. Side motif: owl. [Minerva]

April: *Jupiter*. Supreme among the ancient Olympians. Side motif: thunderbolt. [Venus]

May: *Apollo*. God of (*inter alia*) music. Side motif: lyre. [Apollo]

June: *Mercury*. God of commerce; the winged messenger. Side motif: *caduceus*, a wing-topped staff entwined by two snakes. [Mercury]

July: *Julius Caesar*. Roman soldier and statesman. The month of July was posthumously named in his honour. Side motif: *fasces*, a bundle of sticks and an axe symbolising governmental authority in both the republican and imperial periods of Roman history. [Jupiter]

August: *Augustus Caesar* (formerly Octavian). Roman emperor. He ordered the month of Sextilis to be re-named August. Side motif: *fasces*. [Ceres]

September: *Ceres*. Goddess of harvest. Side motif: ears of corn. [Vulcan]

October: *Mars*. God of war. Side motif: shield and spear. [Mars]

November: *Diana*. Goddess of hunting; bears a crescent moon on her forehead. Side motif: bow and arrow. [Diana]

December: *Vesta*. Goddess of the hearth. Side motif: flames. [Vesta]

These delightful carvings, which also incorporate seasonally appropriate background motifs (holly, mistletoe, flowers, corn and fruit) are perhaps open to criticism in one respect: the somewhat inharmonious inclusion of mortals, rather than deities, for two of the months (Augustus's posthumous elevation doesn't count!). Next time you pass the library windows, lift your eyes to the gods and judge for yourself.

Amanda Goode, *College Archivist*

WINTHROP BELL, SPECIAL AGENT!

Cambridge University and secret agents have a rather unhappy association, but a new individual can be added to the roll call for whom there is no need to blush. On 8 November 2023, Professor Jason Bell, of the University of New Brunswick, Canada, gave a talk at Emmanuel College about the Canadian academic Dr Winthrop Bell (no relation). It was while looking through Winthrop's papers and diaries, held in the archives of Mount Allison University, New Brunswick, that Professor Bell discovered the absorbing story of Winthrop's espionage activities. In 2023 he published an account of it, subtitled 'the untold story of Canada's greatest spy'.

An affiliated student

Winthrop Pickard Bell, the son of a wealthy Nova Scotia businessman, was admitted to Emmanuel College in October 1909. Aged 25, he was already festooned with degrees: a BA and MA from Mount Allison and an MPhil from Harvard University. As an alumnus of Mount Allison, he was able to come to Cambridge as an affiliated student, and presumably he chose Emmanuel because of its links with Harvard. As Cambridge did not offer the PhD degree at that time, Winthrop enrolled on the moral sciences (philosophy) BA course, intending to take the tripos a year later. As it turned out, he only stayed for two full terms.

Winthrop's diaries covering his time in Cambridge provide a fascinating record of the daily routine of an Edwardian student. His style is concise, even telegraphic at times, and he certainly did not regard his journals as an outlet for his emotions. This reticence is frustrating on occasion, but fortunately Winthrop's personal views are more to the fore in his correspondence and in several contributions he made between 1909 and 1912 to the American student-orientated magazine *Argosy*.

Winthrop tackled his academic work with dedication and (at least initially) enthusiasm, keeping a meticulous record of his lectures and essays. The Tutor with whom he had closest contact was William Ernest Johnson of King's College, the Sidgwick lecturer, so it was unfortunate that they did not establish a productive relationship. An early meeting is recorded as 'Rather desultory con. with Johnson in a.m.', and at the end of November Winthrop had an 'Unsatisfactory consultation' with the Tutor. He noted on 10 February, without any elaboration, that he had 'Decided not to take Tripos until next year'.

Social whirl

The camaraderie offered by Cambridge proved more rewarding. Winthrop quickly established a wide circle of friends, noting on 15 October that 'This social life is "the pace that kills", without a doubt'. Two names begin to appear with particular frequency: Maurice Bevan-Brown, or 'B.B.', and John Cameron Wallace ('J.C.' or 'Jack'), both freshmen at Emmanuel. Bevan-Brown, a New Zealander studying natural sciences, met Winthrop through the college Boat Club. Wallace, a mechanical sciences student from Renfrew, was later elected an Emmanuel Fellow. He was known affectionately as 'Jock' by generations of engineering students. Winthrop had passed the academic year 1904–05 at McGill University in Montreal studying engineering (he was multi-talented), so he and JC shared academic, as well as social interests. After meeting at a coffee party, they quickly became good friends and enjoyed many a Sunday tramp in the Cambridgeshire countryside. Another acquaintance mentioned often in the diaries was Hans Schellenburg, an engineering freshman from Mannheim.

A serious-minded young man, Winthrop could nevertheless let his hair down on occasion. On 5 November he, BB, JC and Hans went out on the town to enjoy the traditional Cambridge University rag larks, but the experience proved to be disappointingly 'tame'. A more satisfyingly boisterous occasion was a Lent bumps dinner in February 1910, when Winthrop noted that there was a 'Racket' in Hall that resulted in his being summoned to the rooms of the Senior Tutor, the Revd Freddie Head.

Ethics and culture

Despite being a committed Methodist, Winthrop attended church services of various denominations, and intellectual curiosity drew him to meetings of the university's Moral Sciences Club and Emmanuel's religious discussion group. The latter held several joint meetings in 1909 and 1910 with the newly formed Heretics Society, which was to become one of the most famous associations in Cambridge. It had been formed as a direct result of the first meeting of a religious discussion group in May 1909, at which the Master of Emmanuel, William Chawner, had read a paper entitled 'Prove all things'. Chawner's subsequent circulation of the paper in Michaelmas term 1909 caused a Cambridge furore. The most inflammatory passage was his call for the abolition of compulsory chapel attendance in the colleges. Winthrop asked the Master for a copy of the paper in February 1910 and sent a thoughtful thank-you letter a week later. Although he did not share Chawner's religious scepticism, his letter shows that he agreed with the Master on one point: 'My first impression ... from the unanimity in the participation in chapel services, etc, at Cambridge, was that the interest in religious matters among college men here was very widespread and quite earnest. But I am finding that much of the appearance only conceals an even greater, and, as I think, more deplorable, lack of interest ...'. In Winthrop's opinion, enforced chapel-going was, for the majority of students, a 'performance which has become meaningless'.

During the Christmas and Easter vacations, Winthrop packed in as much cultural sightseeing as possible, visiting London, Kent, and a swathe of central and western England. During term time his academic and rowing commitments left little time for anything else, but he took the opportunity to see the Cambridge Greek play. These well-known theatricals were, and are, put on every three years. The 1909 production was Aristophanes' *Wasps*, which Winthrop saw on 29 November. His verdict: 'Rather disappointed. Not satisfactorily "Classical".' Several Emmanuel men were among the cast, including the future well-known stage and film actor Miles Malleeson, and Harold Bodmer, a mature student who married Malleeson's sister in 1911. Winthrop met both men socially, but no friendships developed. Emmanuel events he attended included a 'Sacred Concert' in the chapel and a 'Smoking Concert' in the Hall. Although Winthrop praised the Cambridge debating tradition in one of his *Argosy* articles, he seems to have gone to only two such events: the Emmanuel 'Freshers' debate' on 30 October 1909 ('Polar exploration'), and an unnamed debate held at Caius in February.



The Emmanuel second boat, 1910, with Winthrop Bell seated second from right, next to his friend Maurice Bevan-Brown, seated far right

Rowing

Winthrop joined the Emmanuel Boat Club immediately on arrival. He went through the usual freshmen trials and was initially placed in the first boat, rowing at number seven. Before long, though, he was demoted to the second boat. One suspects that he never quite got over this, as diary entries lamenting the 'heavier' boat's poor performances and its crew's shortcomings become a leitmotif. His derogatory adjective of choice was 'punk' (inferior or rubbishy), a typical entry being: 'More "punk" work in Eight'. Like all keen boaties, he rowed obsessively regardless of the weather, so it was unfortunate that the winter of 1909–10 was exceptionally wet and icy. Winthrop wrote to a cousin that he had 'never imagined that there could exist such an awful climate as this English one is'. His account of the junior trials, held in late November, in which his boat was narrowly beaten after a hard race, ends ominously: 'Pretty tired – coughing hard'.

The 1910 Lent bumps were scheduled for the week beginning 14 February. At 10 stone 5lb, Winthrop was the slightest oarsman in his crew. He pushed himself to the limit in practice sessions, despite the 'Snowy & wretched' weather, and writes repeatedly of coughing badly and being 'sore'. His determination

carried him through race week, although the second boat did not perform well, but immediately afterwards he succumbed to what he called 'Flue'. The pain in his chest increased alarmingly, as did his breathing problems. On 8 March the doctors removed 35 liquid ounces of fluid from his lungs, a procedure Winthrop describes with customary restraint as a 'rather nasty job'. On 28 March he notes: 'Dr advises against another year in England'.

Goodbye Cambridge, Hello Germany

Winthrop acted on his physician's advice with an alacrity that suggests it was very much in line with his own inclinations and perhaps already half-formed intentions. The idea that Cambridge's climate was intrinsically unwholesome, as Winthrop later implied in *Argosy*, is somewhat unfair, as the diaries offer clear evidence that his pleurisy resulted from the punishing rowing regime he had followed. No, Winthrop's principal motivation for leaving Cambridge was surely academic rather than medical. As already noted, he was not happy with his Tutor or his 'joyless' course. He was to remark in *Argosy* that for colonial students, in particular, the relationship with their Tutor was of crucial importance.

It is likely that Winthrop had felt for some time that a German university would have been a better bet for a philosophy student and he seized the excuse to transfer. His friend Hans Schellenburg may have influenced this decision, for as early as 24 October Winthrop had had a 'long talk on German student life' with him. Hans, too, was unhappy at Cambridge and would leave at the end of Lent term 1910. Winthrop's decision to abandon his degree course caused him a rare interlude of feeling 'rather pessimistic and melancholy', but this mood quickly passed and by the start of Easter term he had organised his transfer. He spent his final weeks in Cambridge tidying up his affairs and seeing a good deal of his special chums, BB and Jack. He toured the newly completed 'New Lecture Rooms' (now the library) and on 26 April 1910 showed up for the second boat's 'Crew photo at Boat House at 12.30'. The following day he boarded a steamer for the Continent.

Secret Agent A12

After a spell at Leipzig University, Winthrop transferred to Göttingen, completing his PhD there in 1914. The outbreak of war resulted in his degree being withheld for some years, but a more immediate disaster was his imprisonment for the duration in Ruhleben camp. In June 1916, Jack Wallace, now in the Royal Engineers, informed Emmanuel's Acting Senior Tutor, 'PW' Wood, that he had 'sent W.P. Bell a parcel to Boschland, he got interned and must be about fed right

up now'. After the armistice, Winthrop was transported to England, where within a few weeks he had been recruited into the Secret Intelligence Service (popularly known as MI6).

Professor Jason Bell has provided an engrossing account of the process by which Winthrop became a secret agent. The Prime Minister of Canada, Robert Borden, who was a friend of the Bell family, was visiting England. On 3 December, Borden asked Winthrop to prepare reports on Germany for the British government's war cabinet. Winthrop also met his old friend Jack Wallace in London. 'JC' had for some time been working at the top-secret surveillance base at Orfordness, on the Suffolk coast, and he invited Winthrop to spend a few days there with him. On his return from this visit, Winthrop underwent a discreet SIS appraisal process, culminating in an interview on 3 January 1919 with the legendary 'C'. This was Captain Mansfield Cumming, the inspiration for Ian Fleming's character 'M' in the James Bond novels. Winthrop accepted the proposed brief, which was that he would observe the political and social situation in Germany under cover of being a journalist for Reuters news agency.

Given the codename 'A12', Winthrop spent much of 1919 travelling through Germany, sending back regular reports. His most notable observations were that the punitive reparations being imposed were having a destabilising effect and fostering, among other things, the rise of a vicious anti-Semitic movement. Winthrop was almost uniquely prescient in his belief that the genocidal language employed by adherents of what would soon become the Nazi party was not mere rhetoric, but an earnest intention of action. When the Second World War broke out, Winthrop reiterated these views, not in a secret report this time but in print. It was too late, however, for his warning to have any practical effect.

Later life

Following his stint as an intelligence agent, Winthrop turned to academia, teaching at Toronto and Harvard for most of the 1920s. Thereafter, he combined business interests with private historical research, returning to Nova Scotia in 1933. The following year, Winthrop and his wife, Hazel, paid a long visit to Germany and Britain, partly for business, partly for pleasure and partly, Professor Bell believes, for another spot of espionage. During this European trip, Winthrop met Maurice Bevan-Brown and his family several times, both in London and at BB's house in Jordans, Buckinghamshire. The Bells visited Cambridge for a few days, and after showing Hazel the sights, Winthrop spent a good deal of time with Jack Wallace. He dined at Emmanuel on 25 October 1934, recording: 'In Common

Room later Jack sat next me. [sic] Later to his room & heard about his engineering & financial success.’ The following day, he visited Jack’s home and met his family. The triangular bond of friendship forged in 1909–10 remained unbroken; during his final illness, in 1952, Wallace addressed envelopes to both Winthrop and Maurice, but was unable to write the intended letters.

Dr Winthrop Bell died in 1965, four years after the publication of his critically acclaimed work, *The ‘Foreign Protestants’ and the Settlement of Nova Scotia*. Of his 1919 intelligence activity, Winthrop later informed Lord Hankey, who had played a role in his recruitment: ‘Naturally I have not talked of it’. Innate reticence was one of the qualities that had made Agent A12 such a proficient intelligence officer.

Amanda Goode, College Archivist

I am immensely grateful to the archivist at Mount Allison University, David Mawhinney, for his unstinting help in providing scans (and transcripts) of Winthrop’s diary entries for 1909–10 and 1934, for alerting me to the Argosy articles, and for answering a good many other queries about Winthrop Bell. He also kindly provided scans of various items in Winthrop’s photo collection, including the second boat crew photo (reproduced here with the permission of Mount Allison University).

Emmanuel Experiences

EMMANUEL COLLEGE IN THE 1950s

This is a compilation of several informal sets of memories sent by Geoffrey Halliday (1952).

I do appreciate being kept in touch with Emma. I have now and then come down and stayed in one of the guest rooms on the occasion when the Arctic Club's annual dinner has been held in one of the colleges, usually Queens' or John's. These take me back: I took my scholarship exam in their Halls 72 years ago.

Staying in the guest room brings back so many memories: queuing at the buttery for one's margarine ration, walking across the lawn past the moorhens to meals in Hall, being bussed to King's Lynn to fill sandbags on the occasion of the 1953 North Sea floods; performances by the young Jonathan Miller at the Footlights, by Myra Hess at the Senate House and of Britten's *War Requiem* in King's, not to mention anti-Suez demonstrations on Parker's Piece. The then chemistry lecturer Philip George Ashmore, known as Sandy, was my first-year Tutor. He was particularly good at putting at ease state-school freshers like me, with inferiority complexes. After chapel on Sunday evening, the Revd Hugh Burnaby would invite students interested in classical music to join him in his rooms by the Hostel to listen to items from his record collection, accompanied by biscuits and Earl Grey tea. It was there that I was thankfully introduced to the requiems by Mozart and Fauré.

I matriculated in 1952 and read natural sciences in Part I followed by botany Part II. I spent my first year in a second-floor bed-sit off Parker's Piece and for the following two years I had a ground-floor room, staircase R, in North Court. There I shared a pantry with a brilliant mathematician, Gordon Robert Sreaton. We were on very good terms, though we had rather a cox-and-box existence. He subsequently became bursar at University College Oxford. Also in North Court was Robin Holliday, a frequent source of confusion since we took exactly the same courses. He became a distinguished molecular

geneticist, spending most of his career in Australia. It was from him that I discovered my love of chamber music.

Opposite the college entrance was a diminutive fruit and veg corner shop, beneath the sign of 'Douglas January, Estate Agent'. It was very popular with students, particularly after morning lectures. I always tried to be there on the rather infrequent occasions when there were lychees, surely one of the most desirable of South-East Asian fruits. When at Leicester University some years later, I asked a colleague whether he knew where I could get some lychees. He thought for a while and then said, in all seriousness, 'No, but I can tell you where you can find a really good Stilton'.

Following my graduation, I went on a hiking-cum-botanical tour of Scandinavia, taking with me a second-year Emma botanist, Glyn Jones. The highlight was ten days in Swedish Lapland. That was my first visit to the Arctic and sparked a lifelong love affair, leading to six expeditions to central and north-east Greenland. All were immensely satisfying both botanically and aesthetically.

I began my PhD research in 1955 at the same time as two New Zealand graduates: Graeme Stevens in geology and Graham Pritchard in botany. We became good friends, exchanging Christmas greetings ever since. We dined together every night in Hall, usually with Lewis Frost, a demonstrator in the botany department. Pritchard and I decided to find out which of the two 'living fossil' dawn redwood trees (*Metasequoia glyptostroboides*) in Emmanuel and Clare was taller. Both were planted in 1949 with seeds from China sent the previous year to Professor Frederick Brooks, botany professor and Emmanuel Fellow. Unfortunately, our amateur efforts at trigonometry proved unequal to the task.

Geoffrey Halliday (1952)

EMMANUEL MEMORIES

This is a lightly edited selection from a longer account by Michael Watts (1955) now held in the college archives. The original also contains extensive accounts of things 'sporty and arty: soccer and fives, and musical contemporaries'. Copies of photographs accompanying the full account are also in the archives.

Here are some personal memories of life as an undergraduate at Emmanuel College from 1955 to 1958.

I was admitted to the college by the then Master, Edward Welbourne, a distinctly eccentric character, as reported in other reminiscences in the *Magazine*. One sat in a high-backed leather chair for half an hour, chatting away to an elderly uncle. This was an assessment of one's character and potential. After a fairly modest attempt at the papers for the qualifying exam for the mechanical sciences tripos, I was advised, in one of those two-line letters from the Master, that I could have a place in October 1955, not when aged 18 in October 1954, possibly on account of the need to allow entry to many returning from two years of National Service.

The mechanical sciences tripos did take up a lot of my time, despite it appearing that I was always holding a trumpet or kicking a football. Also known as engineering, the tripos was demanding and in two parts. Tutor Ken Roscoe placed me on the fast course, with Part I taken in two years and freedom to choose an option from Part II in the third year, or to change to another course completely. I opted for Part IIB and found it tough going, achieving a mere pass in contrast to the 2.1 of the first two years. I would have enjoyed taking the 'normal' route in three years with my old school-friend, Brian Norden, at Selwyn. Clearly the musical side had taken over too successfully in my final year.

The first two years ranged across general topics relevant to civil, electrical and mechanical engineering, still the ideal arrangement in my view. My third-year choice was to specialise in thermodynamics, which included a project on the design of a nuclear-powered tanker, along with Roger Kistruck and Peter Gurney of Sidney Sussex. My father was nearing the end of his 40-year career as a naval architect with P&O (with an interruption for service with the Northumberland Fusiliers in the First World War) and sent us published papers on the subject.

Ken Roscoe set us up with supervisions by Mark Appleby, with whom I was joined by Alan Hickling and Ian Gilmour. Appleby seemed to know every tutorial question and exam question for several years back, and one was in trouble for an insufficient number of prepared queries. Each problem would be smoothly solved with 'the trick here is to ...'. In my second year, supervisions continued but just with Alan Hickling. Now both in college, he was in North Court and I had a first-floor room in the Hostel. Communication was tricky because of our room locations. One night I was woken by a tapping on the bedroom window. Alan had sourced two phones and a long length of cable, so that we could chat about engineering and other matters by private line. When not in service as a phone, the cable provided an amazing aerial for my small wireless. Alan had found a useful narrow brick ledge, just below the first-floor level, on which to balance as he delivered my phone attachments. Alan was to join the Fleet Air Arm and



Michael Watts in the Paddock, c1957

participate in a West-East record race, from the top of the Empire State Building in New York to the top of the Post Office Tower in London. [On Hickling and ‘the great air race of 1969’, see the *Magazine*, Volume CI for 2018–19.]

Courses were intensive and lectures were scheduled from 9am to 1pm, Monday to Saturday. Lab work or drawing office generally took up the afternoons. The only first-year subject that had to be passed was drawing, so there were exam periods set for it in advance. ‘Mif’ (now Lt Col F M K) Tuck and I were new and incompetent at the subject and had extra tuition to pass it. He drove us to tuition somewhere in the Girton direction. We were lucky on one November evening to survive the attentions of a rag mob!

Happily, I was skilled at drawing and design by the time I taught it at Manchester University in the 1970s. Even better, Ken Roscoe sent me the drawings for the Cambridge vice, which we had mostly made in the six-week long vac session of 1956. I lugged the vice into the drawing office for many years for Manchester students to examine while making a general assembly drawing from the component drawings. Sadly though, Ken died in a car accident not long after he had sent me those drawings. The Cambridge vice remains a vital component of my workshop.

The long vac six-week term may have seemed an onerous extra for those on the fast course or for those lacking workshop experience. There was a surveying course, to confirm that Coe Fen was still as flat as ever. David Bugg and I attended a German language course too, on scientific and engineering topics. The native

German lecturer's relish of the word *Fortpflanzung* ('reproduction') reminded us that there were indeed many visiting, foreign students in Cambridge for the summer. In the days when the male/female undergraduate ratio was 9:1, summer 1956 was very enjoyable.

In the days before Emma had college accommodation for most, there was an excellent system of lodgings for first-year students. On Hills Road, I lodged along with Roger White and Martin Fieldhouse. One cycled in for breakfast about 8am. Camel-coloured duffel coats were the fashion at the time to maintain some warmth; I do not recall gloves, scarf or headgear. I do recall that a glass of water on my windowsill froze solid on one February night. Happily, both Roger and Martin contacted me after they had attended a college reunion in September 2022.

Meals in Hall were generally compulsory, though one could sign out of dinner two nights a week. Either Mr Parr or Mr Freestone would take orders for drinks, quietly deliver them and put the cost on our buttery bills: they knew us all by sight. Gowns were to be worn in Hall and outside after dark, of course. Even after a meal in college some of us would be starving by 9pm and would frequent Lucy's in Petty Cury, filling up on a schnitzel or pilau for four or five shillings.

As already mentioned, I was in digs for my first year and in the Hostel for my second year. At that time college rooms were not guaranteed in third year, so I was lucky to be awarded one as music secretary. E1 was for the senior organ scholar (John Stevenson that year) and E2 for the music secretary, both rooms above the Upper Parlour, with a splendid view of the chapel and Front Court.

Having joined the UK Atomic Energy Authority after graduating in 1958, I worked from 1960 on the design of the prototype advanced gas-cooled reactor built at Windscale within a steel spherical containment vessel, which still features in pictures when nuclear power is the news topic. Remarkably, I worked under two Emmanuel engineers, J D (Pat) Thorn (1937) and Gordon Packman (1948). Both had achieved a First in the mechanical sciences tripos and Gordon Packman was also winner of the Ricardo prize in 1951. As chief engineer, Pat Thorn checked my paper on fuel element design with his two-foot-long slide rule, found it satisfactory and said, 'Put it to bed'. The report is available in the National Archives at Kew. More relevant is that this prototype fuel element design was that used in the generation of UK gas-cooled nuclear power stations built in the 1970s, which are now coming to the end of their permitted lifespan.

Michael Watts (1955)

I am extremely grateful to Amanda Goode, college archivist, for information on several members of the college.

EMMANUEL IN ANTARCTICA

HMS Protector is the Royal Navy's only 'in ice' survey ship. She routinely supports the British Antarctic Survey and has strong links with Cambridge as a result. For the last two years, the Master, as part of his push to increase the range of opportunities offered through Emma Experience, has been able to arrange for Emmanuel members to join HMS Protector in the Antarctic for two months during the austral summer.

Last year Elena Cates (2019) and Finnian Robinson (2017) won the competition. A report on their experiences is below. Elena read natural sciences with an emphasis on geophysics and in 2023 completed an integrated Master's focusing on geophysics, planetary physics and astrophysics; she has her eyes on a doctoral course in planetary fluid dynamics (with a potential focus on ice-ocean interactions). Finnian followed his undergraduate degree in history with a Cambridge Master's in modern British history, completed in 2022. In 2022–23 he took up the Herchel Smith scholarship at Harvard. He is currently engaged in a law conversion course and heading towards a specialty in international law.



Finnian Robinson and Elena Cates unfurl the Emmanuel lion at Antarctica.

Elena Cates

Antarctica is a place of indescribable beauty and inexpressible importance to science. The planet's poles are unique in the extent to which they are affected by and influence climate change, not just through sea-level rise. Antarctica is central to the global ocean system; more than 60 per cent of the world's ocean water was last ventilated in the Southern Ocean, meaning that it is a crucial sink for heat and carbon dioxide in the atmosphere. It also means that Antarctic waters are severely affected by heating and acidification, resulting in amplified ice loss, sea level rise and ecosystem damage. Antarctica remains largely untouched by humans and has climate records spanning more than a million years frozen into its ice and soil. Research in Antarctica allows scientists to understand better not only the present, but also the past and the future of the world's climate.

This winter, I was extremely privileged to spend two months onboard HMS *Protector*, the Royal Navy's Antarctic patrol ship, along with Finnian Robinson. I had recently completed my Master's degree in physics and have a particular interest in planetary fluid dynamics and climate science, so I was absolutely thrilled when the Master told me I would be going, and very grateful for his efforts in creating the opportunity.

The crew of HMS *Protector* were friendly and welcoming. I appreciated this immensely as we left the Falklands. I was impressed by their ability to keep on doing their work while the ship pitched and rolled and rendered me completely useless. It wasn't just seasickness I struggled with, but also walking; the direction I was heading no longer seemed to be my decision, and the steep staircases tipping back and forth became rather menacing.

By the time we reached South Georgia, I was starting to develop – well, maybe not sea-legs, but at least a sea-toe or two – and I was keen to get involved with the hydrographic surveys taking place. The data that these surveys gather is essential not only for safely navigating ships but also for producing fluid dynamical models of the ice and oceans. I was excited to learn about all the steps of the process: sound-velocity dips and the profiles produced; the different ways in which multi-beam echo sounders are calibrated and their limitations; swath bathymetry and the principles behind it; and the methods by which the data is processed and cleaned. At South Georgia, the hydrography team surveyed the area that was until recently occupied by Neumayer Glacier: it had retreated several kilometres since it had last been charted, leaving behind long striations in the bedrock.



The *Protector* approaches Antarctica.

Finnian Robinson

The passage from South Georgia across the Weddell Sea retraced the wake of Shackleton's *Endurance*. I had previously written my MPhil on how the expeditions of Scott and Shackleton had contributed to Edwardian debates regarding masculinity. British soldiers in the trenches of the Great War received speeches on 'dying well' like Captain Oates in the ice fields of the Antarctic interior. The war had shattered these notions of Edwardian imperial masculinity and the letters, diaries and films from Mallory's Everest expeditions of the early 1920s illustrate the struggle to rediscover the 'heroic explorer'. Deaths on these quests changed, in the public eye, from heroic battles against the forces of nature to tragic and needless wastes of life. I had trawled through the diaries, letters, photographs, ship's newsletters and artefacts of these missions, gaining an almost personal familiarity with these ancient crews. Reading the daily worries, annoyances, fears, longing and self-questioning of an individual, isolated in Antarctica for years, gives you a preciously close view of their life. The contemplative writings of men, slowly recognising that they would not be returning home, are evocative and haunting to read.

I was desperate, as the gleaming glaciers of South Georgia sparkled on the horizon, to pay my respects at the grave of Sir Ernest Shackleton. The explorer had died here on his final mission on the *Quest*. His wife had directed that he be buried at the site of his greatest achievement, the island to which he had fought his way after 18 months in the Antarctic to arrange the rescue of his men.

I went ashore in a zodiac, sleek and inquisitive seals chaperoning the craft through the harbour. I picked my way through the rusting whaling sheds, seal colonies and king penguin rookeries to make my way to Shackleton's humble grave overlooking the water. The startling blue of the Antarctic Ocean and glaciers, every crevice a different shade, made the vista of his final resting place far grander than any English cathedral. Beside his grave lay the remains of his second-in-command, Frank Wild, whose ashes had finally been laid to rest here in accordance with his wishes 72 years after his death. The reverence of the moment was perhaps interrupted by the fact that the ship's doctor and I arrived at the site of our pilgrimage at running pace with several seals biting at our heels.

Though history had been my first introduction to Antarctica, I was on board HMS *Protector* as a researcher in international environmental law. South Georgia is British territory, as testified by the stamps affixed to our passports as we disembarked from the landing craft and by the Royal Mail post office (estimated time for a letter to reach the UK: three months). As we journeyed south from the island, passing bright blue jagged blocks of broken glacial ice floating in the opposite direction, we crossed an invisible line on the sixtieth parallel. The only indication that we had crossed the boundary line of the Antarctic treaty was the movement on the decks of *Protector* as the ship's armaments were stowed below in accordance with the demilitarisation clause.

HMS *Protector* serves a multiplicity of functions in the Antarctic and I was privileged to assist with a variety of these in our first few days on the continent. Shortly after crossing the sixtieth parallel, we approached the British research base in the South Orkney islands. We had just finished loading fresh provisions (including a few beers flown all the way from home) aboard one of our small craft when Captain Tom Weaver told me to climb in myself. Skipping across the icy Antarctic waters, surrounded on all sides by towering white mountains, *Protector* fading as a red dot on the horizon as we navigated the fjords, was a truly otherworldly experience. The British Antarctic Survey scientists were particularly grateful for the crates of beer that had sailed the length of the earth to reach them.

Yet our vessel did not only visit British bases. One of *Protector's* many roles is ensuring the compliance of other states' Antarctic outposts with the Antarctic

treaty. Under this 1959 compromise, the continent was demilitarised, sovereignty claims (including the overlapping British, Argentine and Chilean stakes) frozen, freedom of scientific inquiry assured and Antarctica preserved for peaceful purposes only. The treaty, its corresponding environmental protocol and new pressures as climate change opens up this formerly inaccessible wilderness, was the focus of my research aboard *Protector*. Our route towards the continent would take us conveniently close to a series of bases belonging to other nations, allowing us to assess their compliance with the 1959 treaty and to reinforce alliances, both formal state-level ones and informal pacts of neighbourly assistance in the depths of the southern continent. Having navigated through myriad sub-Antarctic islands, occasionally taking shelter in their bays as the frantic storms of Drake's passage threatened to test the strength of our ice-reinforced hull, we finally approached the continent. I awoke one morning, crashed my forehead against the bottom of my cabin mate's low-hanging-bunk as had become my usual routine and peered through the porthole. Only this time I observed not the usual vista of icebergs drifting past the ship, but rather towering gleaming mountains of rock and ice, casting the morning sun back into the cabin and filling the room with bright blue light.

Elena

Antarctica glows. This was my first and most lasting impression of the continent. The ice was so bright that my gaze kept shying from it and my surroundings shone so intensely as to become pale again. Having studied the oceans and the cryosphere, having performed calculations of the crucial and endangered role sea ice and glaciers play in reflecting the sun's radiation from the planet, it stunned me nonetheless to see this first-hand. It was hard to believe that the light really came from the sky and that the glaciers themselves were not simply blazing like metal set alight, magnesium white and copper blue.

From a distance, the landscape did not look quite real: the sky hazed by a thin layer of cloud; the sea, glassy and gleaming; and the icy peaks, lit from behind by a white, unseen sun merged into a continuous wash of bright silver. Sea ice and icebergs bobbed past us in the mirror-like water, and Captain Simon Dockerill, visiting from Canada, gave a talk on recognising and classifying all the different types of ice. We passed an enormous iceberg, which stretched flat across the horizon for five nautical miles. Through binoculars, magnificent arches and dark caves could be seen along its edges, just like those at a coastline, and the enormous white pillars fell into the water like teeth.

Later, traversing Lemaire Channel, the ice was almost close enough to touch. Glaciers loomed high on either side of us, smooth and unblemished against the sky, before descending like sparkling staircases towards the ocean, mosaics cut by crevasses. On occasion, the glowing ice was stained the colour of rust, a tell-tale sign that penguins were nearby. I had been studying the fluid dynamics of subglacial hydrology and was thrilled to spot bright blue water spurting from a glacier's drainage system into the ocean below. Freshly calved icebergs drifted slowly from their shelves, bobbing gently past us as we progressed through the narrow channel, while farther out the waves crashed about them, washing over and through them in well-worn paths.

It was both strange and incredible to be able to sit in my cabin, studying fluid dynamical models of glaciers, and then to walk onto the deck and watch these processes happening just a breath away: in some ways so similar, in others, so different.

Finnian

Like Elena, I had not expected quite how close I would get to the subject of my research while in Antarctica. On the forecastle of *Protector*, Elena and I had felt that we could simply reach out and brush our fingers against the side of the Lemaire Channel, literally within touching distance of the object of her studies.



Finnian Robinson and Elena Cates at the Southern Antarctic Monument in Stanley, Falkland Islands

I myself had hoped to interview members of the ship's company about their inspections of other states' Antarctic bases in accordance with the Antarctic treaty and perhaps to observe part of the ceremony from the bridge through intrusive binoculars. With the ship's company, however, lacking any Spanish speakers, I was requisitioned from my legal textbooks on public international law theories behind the Antarctic treaty and asked to act as *Protector's* translator, as well as to provide expertise on assessing the compliance of the bases with the various clauses of the 1959 agreement.

An intercom jolted me from my morning coffee. My presence was demanded at the bridge immediately. I frantically reassessed my every action since coming on board, scrambling to discover what offence I had committed. As I reached the top of the third flight of stairs and entered onto the bridge, a radio was thrust into my hand. The captain told me that the base commander was at the other end. 'Tell him that we're from His Majesty's Royal Navy and are here to conduct an inspection of the base in accordance with the Antarctic treaty. If his men need medical assistance or supplies of food, they need to tell us before our zodiac is in the water.' In half-awake Spanish I negotiated a bit of time for the base's occupants to put the kettle on for us and to do some frantic cleaning. Through our binoculars we spied men in orange coats piling out of the dormitory huts and racing to their posts. In truth I was grateful for an hour to revise hastily the nation's dialect and look up the Spanish names for their corresponding military titles. I was amused to note that I would be introducing us as visiting from the British Antarctic 'armada'.

The size of my neon Antarctic-immersion suit made my descent down the rope-ladder draped over the hull of *Protector* an ungainly affair. My nerves (not helped by the three coffees I'd consumed for warmth while waiting on the ship's deck) dissipated as I became transfixed by the beauty of the landscape through which our zodiac glided. We navigated slowly through the labyrinthine iceberg field that separated the base from our ship. Adélie penguins perched precariously atop the blocks, their tendril fingers reaching through mist that blanketed the sea. Their startled exclamations punctuated the silent morning like a natural alarm.

With no landing platform, we had to swing our legs over the side of the craft and fall waist-deep into the Antarctic waters to wade ashore. The shocked gasps of our company evidently amused our waiting hosts.

Facilitating the exchange of information between our investigative crew and the base's residents, some of whom hadn't been visited in nearly a year, challenged my ability in the language. Yet through the experience I learned



Some Antarctic locals

about the contrast between the content of the Antarctic treaty on paper and the practical reality on the ground. Legal conventions and diplomatic norms become more flexible when the alternative is breaking in the brittle Antarctic nights. We undertook a number of these inspections, many at bases belonging to South American nations, when I accompanied the crew as a translator, and one that was a moving visit to the isolated and oft-forgotten Ukrainians at Vernadsky. We were welcomed particularly warmly by the Chileans. The nation is proud of their link to Shackleton, whose men on Elephant Island were finally rescued by the Chilean tug *Yelcho*. The commander of their base dragged me into his study to admire a painting depicting the rescue. Discussing this event proved a useful ice-breaker (pun intended). After the formalities of the inspection, several of their soldiers approached me and asked me to translate their challenge: a battle to be held between ourselves and the Chileans on a hastily penned-out football field beneath the glacier. I do not know the record for most southerly international football match ever played but this must come close. The final score remains, of course, a state secret: the Chileans won.

Though Britain and Chile claim the same slice of Antarctica as sovereign territory, and the Antarctic treaty is often held up as an uneasy compromise between our nations, their commander and his men demonstrated the same

spirit that the *Yelcho* had shown to Shackleton. As we boarded our zodiac, many of us now carrying Chilean Antarctic badges, hats and scarves, which had been exchanged as gifts, their commander grasped my hand and told me to convey to our captain that should *Protector* need any assistance in these Antarctic waters, the bond established in the 1916 rescue would be rekindled.

A few days later I delivered a lecture to the crew of *Protector* on the history of Britain in Antarctica and on the Antarctic treaty, and discussed how we might address the challenges that the continent faces. The experience of two months aboard HMS *Protector*, talking to its crew and sharing in duties ranging from translating to cleaning floors, and the conversations (sometimes mid-football match) I'd had on my base visits to a plethora of different nations, meant that I had re-written my slides several times over. I left the continent aware of the scale of the challenge of preserving this environment; with empathy for the hardships that the historic explorers had endured here; with a greater understanding of the compromises, achievements and strains upon the Antarctic treaty system; and with immense hope from my time spent among those who have dedicated so much to protecting this incredible part of our world.

Elena

The journey onboard HMS *Protector* allowed me fully to appreciate and experience environments I had been studying for years. I learned an enormous amount, which I will carry with me into my future, when I hope to study the fluid dynamics of ice-ocean interactions.

I am deeply and sincerely grateful to Captain Weaver, to the crew of HMS *Protector*, to Emmanuel, and to the Master for this extraordinary experience, from which the things I have seen and learned are scarcely beginning to sink in.

Elena Cates (2019) and Finnian Robinson (2017)



News

Fellowship Elections

The college has made the following fellowship elections:



David Collins, Official Fellow and Mike Ashby Associate Professor in Material Science in the department of materials science & metallurgy, writes: In May 2024 I was elected a Fellow at Emma in natural sciences and will have the pleasure of supporting our undergraduates in this subject as well as in engineering. In the short few months since joining the college, I have been astounded by its incredibly supportive, inclusive and enabling culture. It is truly a happy

place to be! My own specialism is materials science; I can see that there is a tremendous opportunity in this college for me to be the advocate for this subject and to underpin our teaching in this area. I am privileged to follow Professor Cathie Rae, who has been the rock for the subject at Emma for many years.

My university appointment is in the department of materials science & metallurgy, where I hold the Mike Ashby associate professorship in materials science, a role I started in November 2023. Here I lead the ‘multiscale behaviour of engineering alloys’ research group and help to manage our Rolls-Royce materials university technical centre. Before this appointment, I spent time at several other universities in the UK. My undergraduate studies were at Imperial College, where I graduated with an MEng in materials science in 2008. After that, I came to Cambridge to complete my PhD (again in the materials department, so this is now my second stint in the university). During this period, I worked on jet engine materials called superalloys, using a wide range of experimental and modelling methods to understand material behaviour at the nanometre-length scale. In 2012, I joined the department of materials in Oxford on a collaborative project with BMW to understand new ways to manufacture automotive alloys. During my time in Oxford, I was also a lecturer at St Anne’s College, where I acted as a tutor for material science. In 2017, I was awarded a Birmingham fellowship at the University of Birmingham, then in 2020 an associate professorship. I have been fortunate to

have my work contributions recognised by the Institute of Materials (IOM3); I was awarded the silver medal (2020) and elected as a Fellow (FIMMM) in 2022.

In Cambridge, my research explores microstructure-property relationships in new engineering alloys. Through the discovery of the underlying science that governs alloy behaviour, my work aims to transform structural performance of materials through advances in our understanding of metallic material behaviour. I regularly work with companies in various sectors, spanning the aerospace, automotive, defence, nuclear energy and healthcare sectors, with the ambition that our work can be translated in real application with tangible benefits. I look forward to showcasing some of this exciting work to the Emma community in the near future!



David Douglas, Research Fellow, writes: Born and raised in the temperate climes of the west coast of Canada, I took my undergraduate degree in classics at McGill University, followed by an MA at the University of Victoria. I then moved to Paris to pursue a PhD at the École Pratique des Hautes Études, supported by a grant from the Social Sciences & Humanities Research Council of Canada.

Since commencing graduate work, my research has focused primarily on the Epicurean school of Greek philosophy, first in the context of classical Latin literature and more recently as part of the continuing study of the Herculaneum papyri. This collection of exceptionally well-preserved ancient scrolls is today housed at the National Library of Naples and constitutes a key documentary corpus for our knowledge of the history of Epicurean philosophy. The project behind my doctoral thesis was to produce an historical study of the phenomenon of Epicurean philology during the second and first centuries BC, aiming to understand the importance of canonical texts and their interpretation in the development of Epicureanism during this period. At Emmanuel, I will be changing gears slightly in order to produce a critical edition of the Greek text of Philodemus of Gadara's epistemological treatise *On Sensations*, fragments of which are preserved by a handful of papyri in the Herculaneum collection. From a more philosophical point of view, I am also interested in ancient theories of knowing in general, and in particular in Aristotle's exploration of the logical structure of scientific and practical knowledge.

I am lucky to have been able to travel widely for my studies and have picked up a few languages along the way. Although the life of the itinerant scholar can

have its inconveniences, I hope never to tire of exploring new cultures and their distinctive modes of communication. At present, I am doing my best to improve my halting Swedish and mean one day to take up literary Arabic. Another of my interests is jazz piano, an interest I am eager to nurture whenever there is a suitable instrument at hand. Otherwise, you may find me with my nose in an unedifying twentieth-century novel, touring the nearest museum or complaining about the price of espresso beverages outside Italy.

I am very grateful to Emmanuel College for giving my research a new lease on life and am excited at the prospect of getting to know its denizens and traditions over the next three years.



Olivia Formby, Research Fellow, writes: I am thrilled to join Emmanuel College this autumn. My research as an early modern historian springs from the intersections of the histories of religion, medicine and the emotions in sixteenth- and seventeenth-century England. I am interested in developing new understandings of how ordinary people and often ‘silent’ social categories, such as children, experienced the upheavals and continuities of this period, within their families and wider communities. I have presented my research at academic conferences in Australia, Sweden and the United Kingdom, as well as translated its findings on invited occasions for undergraduate and secondary-school teacher audiences. I was a co-host of the ‘Age and health, 1500–1800’ postgraduate and early career researcher conference at St John’s College, 24 June 2024. My work has been published in the journals *The Seventeenth Century* and *Historical Research*.

I came to Cambridge in 2021 as a Cambridge Australia Poynton International Scholar to undertake my PhD at St John’s College under the supervision of Emma’s own Professor Alex Walsham. My dissertation, entitled ‘Infants’ emotions in early modern England’, uses medical and religious literature as well as life writings to shed new light on how the youngest people of the past were imagined and sensed as emotional, spiritual and social actors. This research reveals the infant to be more complicated, socially integrated and agentic than was previously considered by historians.

I completed my undergraduate studies and MPhil at the University of Queensland, where I was awarded a university medal and the History Honours Research Prize. My MPhil project, entitled ‘Emotional communities of plague in early modern England, 1631–38’, was funded by an Australian Postgraduate

Award and the Australian Research Council Centre of Excellence for the History of Emotions.

At Emma, I will pursue a new project tentatively titled 'Children's language development in early modern England'. This is an opportunity to draw out some of the most fascinating threads in my doctoral research about the nature of language and the affective power of sound. I will examine contemporary theories about language development in tandem with young children's lived experiences of speech delay, impediment and absence, to enliven our understanding of what it meant to be a developing human in early modern England. I am excited to see how this work evolves within Emma's incredible interdisciplinary research community.

Outside work, I love baking, running along the River Cam, getting outdoors and travelling with my husband and daughter.



Sebastian Gorgon, Research Fellow, writes: I am a Research Fellow in physics at Emmanuel College. Prior to this, I did my PhD at the Cavendish Laboratory and was a Bye-Fellow and college teaching associate at Downing College, teaching Parts IA and IB of the natural sciences tripos. My teaching interests are condensed matter physics, optics and quantum mechanics.

I grew up in the industrial Silesia region of south-west Poland, where excellent teachers kindled my interest in science. I came to London to do my A-levels, supported by the Polish Children's Fund. The city suited me well, so I stayed there for three more years to study a best-of-both-worlds degree called chemical physics at University College London. I broke this up with a 12-month stint in the Oxfordshire countryside to work at the Rutherford Appleton Laboratory, where I started playing with powerful lasers. I came to Cambridge to do a Master's in nanotechnology, funded jointly by Christ's College and the NanoDTC. I then joined the group of Professor Sir Richard Friend, where I have been taking advantage of fantastic opportunities to develop new research directions.

My scientific interests centre on understanding what happens in materials when they interact with light. I use extremely short and bright flashes of laser light to track the flow of energy through molecules in real time. I mainly focus on small carbon-based molecules, a family which has already found success in commercial products. However, instead of displays, I am engineering them towards applications in quantum information science, where they are uniquely well placed to act as miniature, ultra-precise sensors. In my work I make frequent

visits to the Centre for Advanced Electron Spin Resonance at the University of Oxford, where I interrogate my molecules with a powerful, complementary technique. My research papers are available at: <https://scholar.google.com/citations?user=m9T5W9zqOcsC>.

During my Fellowship I will lead a research stream centred on exploiting the properties of radicals that emit light, through which we can directly probe their quantum mechanical spin. These unique molecules offer rare advantages of room temperature operation and Lego-like tunability via chemical synthesis.

I look forward to joining the Emmanuel community, learning from those around me and sharing my passions. Beyond the lab, I enjoy cycling, cooking and contemporary classical music.



Albert Guillén i Fàbregas, Official Fellow, writes: Albert Guillén i Fàbregas is a professor in communications and information theory in the department of engineering. Originally from Barcelona, he received degrees in telecommunication engineering and electronics engineering from Universitat Politècnica de Catalunya and Politecnico di Torino, respectively in 1999, and a PhD in communication systems from the École Polytechnique Fédérale de

Lausanne in 2004, where he did most of his work at the Institut Eurécom. He has held appointments at the New Jersey Institute of Technology, Telecom Italia, the European Space Agency, the Institut Eurécom, the University of South Australia, the Universitat Pompeu Fabra (ICREA research professor) and the University of Cambridge. Following his postdoctoral stay at the University of South Australia, he arrived in Cambridge in 2007, where he was a lecturer and then reader in the department of engineering until 2012. He was also a Fellow at Trinity Hall at that time.

He is a recipient of starting, consolidator, advanced and proof-of-concept grants from the European Research Council. He is a member of the Young Academy of Europe, Fellow of the Institute of Electrical and Electronics Engineers (IEEE), Fellow of the Institute of Mathematics & its Applications (IMA), editor of *Foundations and Trends in Communications and Information Theory* (Now Publishers) and previously editor of *IEEE Transactions on Information Theory* (2013–20) and of *IEEE Transactions on Wireless Communications* (2007–11). He was a general co-chair of the 2016 IEEE International Symposium on Information Theory in Barcelona and a technical program committee co-chair of the 2013

IEEE Information Theory Workshop in Seville and the 2023 IEEE International Symposium on Information Theory in Taiwan.

His research interests are in the mathematical aspects of information, encompassing information theory, communication theory, coding theory and statistical inference. He is particularly interested in understanding how data can be reliably compressed and transmitted, and the role of certain mathematical quantities appearing in the mathematical analysis of the probability of error. He is also interested in coding schemes that achieve ultimately efficient performance.

Aside from his academic work, he enjoys playing competitive tennis, playing gypsy jazz guitar, jazz and modern music concerts, hiking, reading something new, especially in psychology and modern history, cooking, especially baking sourdough bread, and the company of friends and family.



Monika Kudlinska, Meggitt Fellow in Mathematical Sciences, writes: I am looking forward to joining the Emmanuel community as the Meggitt Fellow and Director of Studies in pure mathematics.

I was born in Poland and moved to the UK with my family in 2007. After attending a specialist music school to study violin and piano, I enrolled in an undergraduate course in mathematics at the University of Bristol, graduating in 2020. Shortly thereafter I moved to Oxford to embark on a DPhil in mathematics at Magdalen College.

My research is in an area of pure mathematics known as geometric group theory, which is the study of the relationships between abstract geometric structures and their symmetries. A group is an algebraic object designed to encode symmetries. In many areas of science, symmetries are used to study the structure and predict the behaviour of spaces and systems. The key insight of geometric group theory is that one can reverse this process, meaning that it is possible to deduce algebraic properties of abstract groups from the geometry of the spaces on which they act.

A class of spaces particularly amenable to such analysis consists of spaces that are negatively curved. A prototypical example of such a space is the hyperbolic plane and its higher dimensional analogues. A key feature of hyperbolic spaces is that the angle sum of geodesic triangles is always less than 180 degrees. More generally, we may define hyperbolic manifolds to be spaces which are locally modelled by the hyperbolic space.

Breakthrough work from the last 20 years shows that many three-dimensional hyperbolic manifolds (almost) admit a very special structure of a so-called fiber bundle over the circle. While this result has a topological flavour, its proof has led to a new paradigm in the study of groups. Motivated by this, my work focuses on a class of groups known as algebraically fibered groups. These generalise the groups associated to fibered manifolds. My research focuses on understanding all the different possible fibered structures of a given group, whether certain features of the group can be 'read-off' from the fibering structure, and how such structures can be detected.

Besides doing maths, my favourite activities include reading (mostly twentieth-century literature), going to art galleries and music gigs, and drinking craft ales. I also enjoy running, going for bike rides and hiking in the mountains.

Benjamin Laubi



Cecilia Padilla-Iglesias, Alan Wilson Research Fellow, writes: Humans are unusual in the animal world. Long before the origins of agriculture or industrial technologies, our ancestors had managed to inhabit most of the planet's ecosystems. Because of this, I am fascinated by our capacity to generate the enormous cultural, behavioural and genetic diversity that has allowed us to thrive in such a diverse array of environments.

I grew up in a small town in the province of Almería in coastal southern Spain, which I left at the age of 15 to go to Wales to improve my English. I then undertook an undergraduate degree in human sciences at University College London, where I learned how to explore evolutionary questions from a diverse array of perspectives and in a diverse set of organisms. During this time, I developed a passion for communicating science and got involved in organising workshops, podcasts, museum events and all sorts of activities aimed at bringing research closer to the broader public.

I first arrived in Cambridge for a research MPhil in biological anthropological sciences. Under the mentorship of Professor Robert Foley, I travelled to the Yucatán peninsula in Mexico to investigate what social and ecological factors promote the maintenance (and conversely, erosion) of cultural and linguistic diversity in societies undergoing rapid socio-economic transitions. I then moved to Zurich to pursue a PhD looking at the relationship between ecology, population and cultural dynamics at much deeper timescales: in doing so I sought to understand how environmental changes throughout evolutionary history have shaped

the ability of people to move, migrate and interact with one another, and the implications this may have for the origins of our species.

Although, for most of our history all humans lived as hunter-gatherers and therefore were very mobile, today only a few societies in the world remain practising this form of life. After being lucky enough to be able to live among one of these societies for a few months in the Republic of Congo and to gather data on their genetics and ways of life, I hope to use this Fellowship to investigate, at a much finer scale, how individuals' mobility decisions determine genetic and cultural evolutionary patterns. I am also thrilled to be able to engage in conversations, projects and discussions with others interested in similar topics at Emmanuel and, more generally, in Cambridge.

When I am not thinking about science, I am happiest climbing (ideally in the mountains or, in the UK, hills), reading and writing poetry, or simply spending time with friends and family.

Fellowship News

NEWS OF THE MASTER AND FELLOWS

Fiona Amery was married on 13 July 2024 to Noah Havers at All Saints Church, Knapwell, in Cambridgeshire.

Alan Baker's *Geography and History: Bridging the Divide* (2003) was published in Spanish in June 2024, following a Chinese edition in 2008 and a Japanese edition in 2009. Alan has placed in the college archives a copy of his paper, 'On the class ceiling for admissions to Cambridge: a personal journey and a collegial mission', presented to a symposium on 'Overcoming class barriers in Cambridge'. It addresses Emmanuel's pioneering role under three Senior Tutors (David Newsome, David Williams and Alan) from the late 1960s to the early 1980s in basing undergraduate admissions on conditional offers based on public examinations: this led Emmanuel in 1984 to abandon the Cambridge Colleges' Examination, a policy eventually adopted by all Cambridge colleges. An abridged version of Alan's paper was published online in *Times Higher Education* on 25 June 2024.

Richard Barnes has published his novel, *Karma* (2024), documenting the journey of two individuals, a perpetrator and a victim, following their involvement in a crime.

In March 2024, **Peter Burke** and his wife, Maria Lúcia Pallares-Burke, gave lectures and seminars in Montevideo, where they were given the title, 'Illustrious Visitors', a local version of the freedom of the city.

The Master, **Doug Chalmers**, was appointed chair of the Committee on Standards in Public Life by the prime minister on 12 December 2023 after a public appointments process. This is a five-year, non-renewable appointment. The independent committee advises the prime minister on arrangements for upholding ethical standards of conduct across public life in England.

Philip Howell has a new book appearing in January 2025 in the 'Object Lessons' series published by Routledge US. The book is titled *Pub* and reflects on the English public house as an iconic but perplexing object.

The eightieth birthday of **David Livesey** was celebrated with a High Table dinner on 28 May 2024. Dr Livesey joined the Fellowship in 1974.

Ioanna Mela has been awarded the Durham University Biophysical Sciences Institute Judith Howard Prize. The Howard Lecture, named after Professor Judith Howard, CBE, FRS and one of the founders of the Institute, is the Institute's flagship annual talk.

Laura Moretti has published *Graphic Narratives from Early Modern Japan: The World of Kusazōshi* (Brill, 2024). Edited with Professor Satō Yukiko of the University of Tokyo and featuring 16 contributions by scholarly giants from Japanese and Western universities, this edited volume is the first English-language publication of its kind. It enables anyone new to early modern Japanese graphic narratives to gain comprehensive knowledge of the field. For the specialist, the volume marks a turning point in scholarship, uncovering fresh research avenues. While exploring the powerful effects of the visual-verbal imagination, this collection opens new vistas on the act of reading and advances provocations around comics and manga. Professor Moretti has also been appointed head of the department of East Asian studies and co-chair of the faculty of Asian & Middle Eastern studies, starting this three-year role in October 2024.

Clare Pettitt has been awarded the 2023 Mary Crawshay Prize for her work, *Serial Forms: The Unfinished Project of Modernity, 1815–1848* (2020).

Thomas Sauerwald has been appointed to a professorship (grade 12) in the department of computer science and technology.

Matt Seah, Herchel Smith Teaching & Research Fellow in Medicine, will be spending 2024–25 as the adult hip and knee reconstruction fellow at the University of British Columbia.

Perla Sousi has been appointed to a professorship (grade 12) in the department of pure mathematics and mathematical sciences.

OLD EMMA VERSUS EMMA

The Emmanuel Old Boys' cricket fixture always seems to bring out the best in Emmanuel, and this year was no exception. As often seems to be the case, there was nearly constant rain in the days before the match. And on the day? A forecast of periodic showers before a lasting downpour from late afternoon. Clearly we would need to be flexible with playing time and ready for long stints in the pavilion debating whether the skies did indeed look 'brighter over that way'.

After more than 50 years under David Lowen's captaincy (of which more later), the Old Emma team was captained for the first time by Luke Hone (2013) and William Pinder (2012). As is customary, the Old Boys were politely invited to bat first. The current Emmanuel team were a little short on players, so many Old Emma took turns to help fielding. Abhishek Patel was Old Emma's opening batsman; his father and uncle volunteered for a sizeable stint. A full family day out!

Old Emma made 169-5 off 38 overs, with Abhishek Patel (50, his third consecutive 50 for the Old Boys), Pete Westaway (38) and Ed Sides (37 not out) the pillars of the innings. A glorious six over mid-wicket and out of the ground from Ed Sides was arguably the shot of the day, and a fitting note for the Old Boys to declare on, just as another rain shower started. Alistair Wilson (seven overs, two wickets for 29 runs) and Anoop Tripathi (eight overs, one wicket for nine runs) were the pick of the college bowlers.



At dinner, after the Old Emma versus Emma match, Mano Ponniah, who travelled from Sri Lanka for the occasion, stands between David Lowen (l) and Doug Chalmers (r).

Chasing 170 was always going to be a tough ask for a college team with reduced numbers, but Chris Davis and Chris Batten started brightly under not-so-bright skies, reaching 32 before the loss of the first wicket. Anoop Tripathi held firm with 14, but Old Emma captain Luke Hone (six overs, two wickets for 11 runs) and Old Emma mainstay Tim Baxter (4.2 overs, two wickets for 11 runs) proved too skilful for the college batsmen. Abhishek Patel and Sushant Achawal both took a wicket apiece, and the college were all out (six wickets) for 55 runs. This was just before a long downpour that would have made any further play impossible.

Following the game, we regrouped in the Robert Gardner Room for a dinner, joined by the Master and Sarah Bendall. The dinner was a celebration of Emmanuel cricket, with more than 60 Old Emma versus Emma fixtures, an astonishing 54 of which saw David Lowen captain the Old Boys' team.

We were blessed to have video appearances on a big screen from John Griffith in Australia, Manoj Badale in India (understandably busy, looking after the Rajasthan Royals in the IPL at the time of recording) and Tony Wadsworth in South Africa, who had the vision to create the first-ever fixture. All spoke of their love of Emmanuel cricket and memories of Old Boys' games over the years.

But the highlight was Mano Ponniah – former Cambridge University, Middlesex and Sri Lanka batsman – who, when contacted about the dinner by David, eschewed a video appearance in favour of travelling from Sri Lanka to be at Emmanuel in person. Such are the lasting bonds that Emmanuel cricket fosters! Mano entertained us with stories of being picked out as an aspiring Emmanuel cricketer in freshers week by David, and of playing for Emmanuel and the university team. He particularly made us laugh when, for the third time in telling his stories, he casually remarked '... and I ended up scoring a century'.

In addition to celebrating more than 60 years of the Old Boys' fixture, the dinner was also a celebration of David Lowen's incredible contribution to Emma cricket, the Old Boys and college life. He was presented with a Salix cricket bat, his favourite brand, which had been secretly signed by the Old Boys team during the day. There's plenty of space for more signatures, so roll on next year's game!

Luke Hone (2013) & William Pinder (2012)

Mark Thomson has been named the UK's candidate for next director-general of CERN, the European laboratory for particle physics.

Liesbeth van Houts was elected a Fellow of the British Academy in July 2024. She gave the Becket lecture on 'Empress Matilda and archbishops: from Bruno of Trier to Thomas Becket' at Canterbury Christ Church University. As lead editor she edited, with Ad Putter, Moreed Arbazadah and Sjoerd Levelt, a collection of 17 essays, entitled *The Literature and History of Anglo-Dutch Relations, Medieval to Modern*, published as volume 264 in the *Proceedings of the British Academy* (Oxford University Press, 2024).

Alexandra Walsham was awarded a DLitt *honoris causa* by the University of Melbourne in December 2023. She also delivered the Wiles Lectures in Belfast in May 2024 on 'The persecution of the tongue: speech, silence and religious coexistence in early modern England'.

Ross Wilson has been appointed to a professorship (grade 11) in the English faculty. He will be giving the keynote lecture at this year's Shelley conference at the Keats House in London.

Ayşe Zarakol has been elected a Fellow of the British Academy. In 2023, she was awarded the Rahmi M Koç Science Medal from Turkey, given annually to a researcher under 50 who has made a significant contribution to their discipline (<https://www.ku.edu.tr/en/research/research-opportunities/koc-university-rahmi-m-koc-medal-of-science/>). The award alternates between sciences and human sciences: she is the first recipient in international relations. In addition, her recent book, *Before the West: The Rise and Fall of Eastern World Orders* (2002) has received two more awards: the Allan Sharlin 2023 best book award from the Social Science History Association and the John G Ruggie 2024 best book award from the International Studies Association. This brings the number of awards to six (along with the International Studies Association Northeast Conference Yale H Ferguson 2023 best book award, the International Studies Association History Section 2023 best book award, the American Political Science Association Jervis-Schroeder 2023 best book award honourable mention, and the International Studies Association Theory Section 2023 best book award honourable mention).

FELLOWS' BOAT 2024

Kate Knill



The Fellows' Boat in their laurels, left to right. Front row, Helen Chalmers, Marianna Kaimaki (cox, Trinity), Mark Gales, Saite Lu, Matt Seah. Second row, Jeremy Caddick, Harry Boscawen (2011), Alex Taylor (KCL), Doug Chalmers.

After the unparalleled successes (and perhaps excesses) of 2023, the fair-weather oarsmen found their cravings for the Boathouse too strong to resist and laundered their now signature pink kit for another season of racing.

Many of the old faces, and all of the old faults, were there. During this time, there were rumours of other Fellows' boats preparing to challenge Emmanuel's hegemony; however, only Christ's made it to the town bumps. Our preparations were more streamlined and included the usual schedule of races and dinners. After all, rowing to and from races must count as practice!

Our fitness and training, such as it was, helped us on Day 1, when Chesterton M3, a very decent crew, were persuaded to melt in the face of our initial onslaught and were bumped after first post. Unfortunately, the quality of the boats ahead prevented any more triumphs, and we were obliged on the subsequent three days to hold off strong challenges by Chesterton (themselves hard-pressed but never caught by a boat behind them).

One of the most significant developments in 2024 was the generous sponsorship that we received from Digby Fine English, makers of sparkling wine. This was reflected in our new, even brighter pink kit, and in the post-rowing celebrations of victory (or survival) each night. This culminated in a weekend party where Doug and Helen's hospitality at the Lodge did us proud as we all met to enjoy the very best that our sponsors had to offer and to celebrate the conviviality shared by all who row with us.

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

NEWS OF HONORARY FELLOWS

Peter Carnley has recently published two companion volumes with the American publisher Wipf and Stock. The first is entitled *Arius on Carillon Avenue: More than a Memoir, a Trinitarian Saga*. Peter writes: 'Readers who are not theologians may need to know that Arius was a fourth-century heretic who contended that the Son was subordinate to the Father; non-Australian readers may need to know that Carillon Avenue is the address of the ultra-conservative Anglican theological college in the suburb of Newtown in Sydney'. The second book, entitled *The Subordinate Substitute: Another Wrong Turn on Carillon Avenue*, is about the working-out of this defective theology of the Trinity in the doctrine of redemption. Peter adds: 'These are fairly technical theological works which address a running problem within Australian Anglicanism. They are not bedtime reading!'

Professor David J Drewry writes: 'I have continued my non-executive role with UNESCO as vice-chair of the UK National Commission and director for the natural sciences, representing the UK at the UNESCO general conference (science division) in Paris in November. I have been writing further articles and lecturing in the UK and overseas on climate change issues. This activity has also involved research visits to Greenland and Iceland. Last year I commented on the significant changes to the glacial environment that I observed in Svalbard; the same story is unfolding dramatically in these other two Arctic/northern countries. My book, published last year by Princeton University Press, *The Land Beneath the Ice*, won the 2024 Prose Award in Earth Science from the Association of American Publishers.

Andrew Fane writes: 'The role of president of the Emmanuel Society is not in truth arduous but it is highly rewarding and the main benefits are keeping in touch with a wide cross-section of members of the college, and indeed coming into college very regularly during the academic year and "working" with the Master and senior college members. This does entail a steady flow of events and meetings in college and, let me admit, a goodly number of High Table dinners and nights staying in college. What's not to like!

The society is healthily active as all readers of *Emma Connects* and other publications will be very aware. The range of recent events includes a tour of Wren's City of London churches culminating at St Paul's with evensong, brilliantly guided by Janet Gough whose expertise shone through at every stop on the

perambulation. It was a real delight. Earlier in the year we had a tour of Apsley House, better known as No 1 London, followed by drinks in a dive bar on Holborn. Variety is guaranteed! But we are neither London- nor Cambridge-centric and were together in Liverpool for our northern gathering in October and again for the Society's garden party in college on 6 July.

'Friendship, community and common interests with compatible fellow members make the style of the society and it is a great pleasure and privilege for me to be the president. My thanks go to the Master, to Sarah Bendall as ever, to our new chair Harry Hickmore and to the long-serving previous chair Nick Allen, all of whom put real effort and energy into making our society's events rewarding and meaningful for the diverse generations of our members. Thanks to all and do try to join us: you will be guaranteed a welcome and will not be disappointed.'

Roderick Floud continues to give talks based on his last book, *An Economic History of the English Garden* (2019), while writing an economic history of Britain since 1660, intended for the general reader and expected to appear in 2027.

Conor Gearty has published *Homeland Insecurity: The Rise and Rise of Global Anti-Terrorism Law* (Polity, 2024). The book locates the origin of terrorism law in the way in which colonial powers sought to resist anti-colonial violence and agitation. The idea of terrorism then came of age in the 1970s, before taking off as a powerful driver of illiberal laws after the attacks of 11 September 2001. Nearly 25 years after that pivotal event, there is no sign of any let-up in the 'rise and rise' of such laws.

Jane Ginsberg continues to teach at Columbia Law School and has lately given talks in Sydney, Brussels, London and Madrid about copyright and artificial intelligence, specifically whether the outputs of generative AI systems, such as Mid Journey and DALL-E, are protectable 'works of authorship' and whether the ingestion of millions of works by AI systems as training data infringes the copyrights in those works.

Edith Heard has been appointed director and chief executive of the Francis Crick Institute from the summer of 2025.

Christopher Husbands retired from his role as vice-chancellor at Sheffield Hallam at the end of 2023. He has become engaged in a range of activity. He is leading three reviews: of the professional training of architects for the Architects'

Registration Board; of micro-credentialling and digital badging for the Royal Society of Arts; and of skills supply and the local economy in Wakefield for the West Yorkshire mayor. He is also a trustee of the Higher Education Policy Institute (HEPI), the UK's think tank on higher education; a trustee of the Education Policy Institute; a board member at JISC, which manages UK higher education's digital infrastructure; and a partner in Higher Futures, a consultancy providing strategic and policy support for universities and government. HEPI published his pamphlet-essay, *Four Futures*, an analysis of policy and funding options for UK universities, in June. He has also co-edited, with Richard Brabner, *Universities and Their Places*, a collection of essays on next steps for universities' roles as anchor institutions, published in July.

In September 2023 **Frank Kelly** co-chaired a US-UK forum of the Royal Society and the US National Academy of Sciences on researcher access to data. The pandemic demonstrated that there is strong public benefit derived from researchers having prompt access to a variety of data sources, such as data from public and government bodies, as well as private companies (in particular, tech companies). There is also significant interest in how we connect and link the different data sources. The forum addressed: the evolution of researcher access to data; best practices and lessons learned from fields that are at the forefront of data sharing (such as climate studies, astrophysics and biomedicine); and challenges related to pressing societal problems such as dealing with online information and misinformation, modelling for pandemics and using data in emergencies.

Dennis Lo has been elected a member of the Chinese Academy of Sciences in recognition of his success in and contribution to life sciences and medical research.

David Lowen was awarded an honorary doctorate at Leeds Beckett University after completing a nine-year term as chair of the board of governors. The citation was read by Peter Slee, Leeds Beckett vice-chancellor and Emmanuel Honorary Fellow, making it an Emma occasion. He also accepted an award in Iasi, Romania, for contributions to international journalism.

Andrew Petter was granted an honorary degree from the University of Victoria in 2023 in recognition of his educational leadership, constitutional scholarship and public service. In 2024, he was awarded a Canadian King Charles III Coronation Medal for his significant contributions to Canada and British Columbia. He

continues to serve on the board of trustees of the University of Central Asia, and in 2024 he was elected to the board of directors of Coast Capital Savings, Canada's largest credit union by membership.

Griff Rhys Jones has completed a 38-date stand-up theatre tour. He is now president of LISSCA, the campaign to save Liverpool Street Station from insensitive redevelopment, in which capacity he helped to muster over 2000 letters of objection. The plans are being redrawn but not withdrawn. He has been made a patron of EACH, the East Anglian Children's Hospice, and he continues to raise funds for it.

Peter Rubin is soon to have a building named in his honour at the University of Nottingham in recognition of his leadership in establishing its veterinary school 20 years ago.

Though no longer active in professional functions, **John Taylor** maintains an active interest in various areas of computer science, AI, communications and defence, and in the funding and governance of national research.

NEWS OF BYE-FELLOWS

Sarah d'Ambrumenil started a new role in the summer of 2024, a two-year secondment as interim deputy head of student administration. Her second child and first daughter was born on 16 September 2023, Elizabeth Florence Ioana Payne.

Mihaela van der Schaar has been elected a Fellow of the Royal Society.



Graham Walker launched a new album, *Salsa Classics*, with his Latin-American ensemble, Classico Latino. Launch events included concerts in Bogotá and Madrid and at Emmanuel.

NEWS OF BENEFACTOR BYE-FELLOWS

Stefan Renold and his wife, Chloe, welcomed their daughter, Aurora, into the world on 25 January 2024.

NEWS OF EMERITUS FELLOWS

David Lane's book, *Global Neoliberalism and the Alternatives: From Social Democracy to State Capitalism* (2023), was published in paperback. He also had an article, 'The Soviet federative state: its exceptional formation and dismemberment', published in the collection, *Exploring Russia's Exceptionalism in International Politics* (2024).

He gave lectures on his preferred alternative to neoliberalism, regulated market socialism, in London and St Petersburg. He also gave lectures on his book in China at Shandong University, Tsinghua University and the Foreign Studies University in Beijing. He published an article entitled 'A critique of revolution (yesterday and today)' in the Russian journal *Alternativy*, and also had two articles on the UK election of July 2024 published in the *Valdai Newsletter* (Moscow).

Penny Watson has spent a considerable amount of time in the first year of her 'retirement' editing a new textbook, which has just been published. *Canine Hepatobiliary and Exocrine Pancreatic Disease* is the first of a planned series of textbooks on small animal internal medicine for the motivated veterinary practitioner, published by Edra Publishing and launched at the American College of Veterinary Internal Medicine congress in June 2024. Penny very much enjoyed working with a large number of talented and enthusiastic authors to assemble this book, which, so far as she is aware, is the only book currently available dedicated to liver and pancreas diseases in dogs. Those who know Penny will realise that this book is effectively a summary of her clinical and research passions over the past 30 years!

Glynn Winskel's position as chief scientist at the Huawei Research Centre in Edinburgh has come to an end. He and Anita have moved to Chettisham, just north of Ely and a short train ride from Cambridge. He was elected a Fellow of the Royal Society in May.

NEWS OF FORMER FELLOWS

Joanna Bourke has been appointed OBE for services to the social sciences.

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 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 2024.

- 1951 **Bill Ozanne** has published *The Doom.App: AI Takes Charge and Other Stories* (CPI Group, 2024), in which he draws on some more personal of his experiences.
- 1962 **John Lennox** has become the 2023 laureate of the Dagmar and Václav Havel Foundation VIZE 97 Prize for his contribution to the public debate on the role of religion in contemporary civilisation.

- 1968 **David Ponsford** has been awarded the Royal College of Organists' medal in recognition of distinguished achievement in performance and scholarship, following the publication of his book *Organ Music in the Reign of Louis XIV* (CUP, 2011), his edition of Nicolas de Grigny's *Premier Livre d'Orgue (1699)* (Ut Orpheus, Bologna, 2019), and the release of eight CDs of French Baroque organ music played on French historical organs (Nimbus Records).
- 1972 **Archie Norman** has been awarded *Sunday Times* Business Person of the Year 2023 for orchestrating an impressive turnaround as chairman of Marks & Spencer.
- 1974 **Stephen Timms** has been re-elected as MP for East Ham.
- 1977 **Jonathan Hollins** has been awarded the BEM for services to veterinary science and animals on St Helena.
- Andrew Steer** has been appointed KCMG for services to global sustainable development and climate change.
- 1978 **Nicholas Osler** has been appointed LVO for personal services to Queen Elizabeth II.
- 1979 **Jenny Kartupelis** has been appointed a visiting fellow at the Open University.
- Rosanna Moseley Gore** has published *Songs from the Suitcase: Inhabiting an Inheritance* (Beaten Track, 2024), in which a family archive of letters, photographs and documents portrays how her background, inherited gifts and traumas, moulded the way she thinks, feels and acts.
- 1980 **Janet Gough's** book, *Cathedral Treasures of England and Wales* (Scala Arts & Heritage, 2022), was shortlisted as part of the Architectural Book Awards 2024.
- 1984 **Christopher Morris** has been appointed CEO of Full Fact, a fact-checking organisation.

1985 **Richard Haworth** has founded a new pathology consultancy, RosettaPath, specialising in digital, toxicologic and experimental pathology, following over 25 years of working in safety assessment in research and development at GSK and AstraZeneca.

1986 **Rick Brown** has become consultant orthopaedic surgeon at Nuffield Orthopaedic Centre, Oxford University Hospitals, and president of the British Orthopaedic Foot & Ankle Society.

Amanda Caine has become lecturer in international development at the University of Reading, and trustee of the NGO Amref Health Africa.

Clair Davies was appointed MBE in the Queen's Birthday Honours List in 2020 for services to apprenticeships and traumatised children.

Alastair Santhouse has published *Head First: A Psychiatrist's Stories of Mind and Body* (Avery, 2021), in which he draws on his own experiences to explore the ways in which our minds exert a huge and underappreciated influence over our health.

1987 **Stephen Halstead** has become chief financial officer at Miss Group, a provider of international digital solutions.

Jonathan Swift has become deputy chair of the Boundary Commission for England.

1992 **Alice Strang** has joined the ranks of award-winning artist Carla van de Puttelaar's 'Women of the Art World' photographic portrait series, with an image of her in her guise as an auctioneer at Lyon & Turnbull, Scotland's oldest auction house.

1994 **Sarah Hammond Ward** has been appointed senior lecturer in education at the University of Hertfordshire, leading an MSc in outdoor environmental education.

1996 **Alexa (Tilley) Beazer** writes: '2024 has been another wonderfully busy year and a year of firsts for me. Highlights included: 1) I became a radio

presenter for local radio, Air 107.2, Weymouth and Portland community radio. I even have my own jingle for 'Sunday Tea-Time with Alexa'. 2) I discovered the swim-run event and completed the Studland Swim Run in June: great to have the opportunity to have a proper swimming lesson and improve my front crawl too! 3) I swam the Bantham Swoosh 6km event: unknown territory to swim so far, and great feeling of satisfaction to complete it. 4) I was the auctioneer for the Chesil Rocks auction raising money for the Samaritans (OK, this was actually my second go at this); this time we raised £1600 for the Samaritans in the process. 5) I have become a fully fledged committee member for the Cambridge Society of Dorset, an organisation for people who studied at Cambridge University and now happen to live somewhere in Dorset. It's been lovely getting to know many of the members. We all particularly enjoyed the garden party on 8 June in our garden in Weymouth and look to organise this again next year, so if anyone fancies joining us, just let me know.'

Nikhil Sawhney has been appointed president of the All-India Management Association (AIMA) for 2023–24.

- 1997 **Richard Hopkirk** and his wife, Esther English, welcomed their child, Robin, into the world in August 2023.
- 1998 **Alice Ross** has published her children's book *The Nowhere Thief* (Nosy Crow, 2023), a mind-bending multiverse adventure about theft, family and finding your home.
- 1999 **Leonie Hicks** has been appointed professor of medieval studies at Canterbury Christ Church University. She has also been awarded a two-year Leverhulme major research fellowship to complete her project, 'Landscapes of the Normans: ways of seeing', revealing the landscape as an historical actor in its own right.
- 2003 **James Aitcheson** has taken up a fixed-term post teaching creative writing at the University of Nottingham.
- 2004 **Pierre Jouet** has been appointed portfolio manager at BlueCrest Capital Management.

Ganesh Sitaraman has published *Why Flying Is Miserable and How to Fix It* (Columbia Global Reports, 2023), featuring a brief history of airline policy and regulation from the Wright Brothers to the present.

2006 **Rachel Williams** has published *Tabernacles in the Wilderness: The US Christian Commission on the Civil War Battlefield* (Kent State University Press, 2024).

2009 **Joe Greener** has been appointed group leader in the Laboratory of Molecular Biology's structural studies division, developing differentiable molecular simulation methods to improve biomolecular force fields.

2010 **Minty Sainsbury's** pencil stub artwork, *Practise*, featured in the Royal Academy summer exhibition 2024.

2011 **Eleanor Gower** and **Jake Thorold** celebrated their wedding in St Peter's Church, Thorington, on 15 June 2024.

Anna Kiesenhofer has competed in the women's road race at the Olympic Games in Paris.

Michael Walker has been shortlisted for the Law Society's Legal Heroes award following the creation of a new social mobility programme, LILA Trailblazers.

2012 **Rob Laidlow** has secured funding for two groundbreaking music projects at Jesus College, Oxford, which aim to offer video gamers a way to create music and to democratise music-making by turning everyday items into accessible musical instruments.

Tom Myers and Rachel Popa hosted their wedding in college on 3 August 2024.

2014 **Léa des Garets** has premiered her play *George*, a queer historical drama inspired by the life of revolutionary nineteenth-century French female writer and queer icon George Sand, at the Omnibus Theatre, Clapham, headlining the 2024 '96 Festival'.

2015 **Ankit Chadha** has published *The Revision Guide to Core Clinical Medicine* (World Scientific, 2024), taking students through eight core specialities and helping to save time and reduce levels of stress for medical students.

2017 **Thomas Bewes** has been appointed asset manager of the property investment and development company, Howard Group.

Freddie Davidson has won a bronze medal as part of the men's coxless four at the Olympic Games in Paris.

Alice Good has represented Great Britain in the U25 world rifle shooting championships in South Africa. The team event resulted in Great Britain being crowned world champions, and Alice finished fourth in the individual event. She also finished third in two other major championships during her time there.

Christian Mannoni has been appointed senior investment adviser of the Mirabaud Group.

2019 **Ben Schafer** has been awarded a prize teaching fellowship in 2023–24 from Yale University, recognising his outstanding contributions to the university's central mission.

2020 **Kaustubh Verma** has been promoted to the partnership of one of India's largest law firms, Shardul Amarchan Mangaldas & Co.

News of Staff

Staff members who have reached major anniversaries in long service to the college are: **Annette Gibson**, senior accounts assistant, 25 years, and **Diana Lloyd**, college health centre, 25 years.

The Porters' Lodge

Steven (Monty) Montgomery, Head Porter, writes: 'It's been a while since my last update in the *College Magazine*, and much has changed within the Lodge. We've had notable retirements: **Paul Bass**, our former Deputy Head Porter, has retired, as have **John Shipp** and **Irene Smith**. **Rick Rickord** is also leaving the college



A 'lodge' of Porters: from left, David Lucas, retiring Rick Rickord, Susie Peck, Head Porter Steve 'Monty' Montgomery, Deputy Head Porter Maciej Kaminski, Mark Cram.

after freshers week, having been a wonderful member of the team for as long as I myself have served in the Lodge. He is a font of college history, always on hand with a friendly face and a quick wit that is both funny and relaxing to all. I will miss his whistling (so loud!) as he goes about his daily routine. Rick is going to be missed terribly when he does leave us.

‘However, the Lodge has been busy recruiting, and we are back to full strength with our team. Thankfully, some of your old favourites remain, including **David Lucas**, **Susie Peck** and, of course, **Daniel Morley**, **Josh Collins** and **Mark Cram**. The Deputy Head Porter **Maciej Kaminski** is turning into a wonderful right-hand man and keeping me honest as we navigate all the challenges that are a daily occurrence within the Lodge.

‘In the last year or so, we’ve welcomed several new porters: **Lynn Phillips**, **Alex Kaymak**, **Liam Murphy**, **Steve Simeon** and **Stuart Taylor**. The team is now full: fantastic news given the challenges we’ve faced this past year.

‘**David Lucas** will be moving to a part-time role, which we’re excited about as he will help maintain the Lodge, support our fire responsibilities and assist with administrative computer duties. This additional support is much needed and appreciated.

‘Despite these changes and challenges, everyone is settling in well. My team is a fantastic group of people who are always ready to step up and help, no matter the issue. They provide pastoral support, a friendly face, a smile, and a bit of jolly banter. They are always on top of their game. Looking ahead, I believe that the Lodge has a bright future, and I am excited to see what it brings.’

Catering

Matt Carter, Executive Head Chef and Head of Catering, writes: ‘During the year 2023–24 the catering department has produced many and varied dinners and college occasions, some of the highlights being a Christmas Tree dessert at the Fellows’ Christmas dinner, college-colour chocolates designed by **Nathan Aldous**, Head Chef, and large celebration cakes for the donors’ garden party in June 2023. At the Christmas dinner the parading of the Christmas pudding with the dimmed lights is always a highlight: we use the method perfected by Fanny Craddock of using vodka rather than brandy to flame our pudding as the flame lasts longer; we must be careful that Butler **Alex Tomkins** has plenty of protection from the flaming alcohol. This year we have trialled splitting some of our largest dinners over two nights to allow for a more pleasurable dining experience for students and Fellows: this has been a great success.’

Staff Association

Harriet Carey, conference manager and out-going Staff Association secretary, writes: 'The Staff Association has been in existence at Emma for a long time; we are lucky to have many staff members who have been with the college for over 30 years, so we have a huge institutional memory of what has been before. Many of the staff have at one time served on the Staff Association Committee, as the outgoing officers, Head Gardener **Brendon Sims**, research & data manager **Lizzie Shelley-Harris** and I have more recently.

The work of the Staff Association became more important during and after Covid to help in bringing all of the college staff back together. People had been furloughed or worked from home, and many new people joined the staff.

'We started back then with coffee vouchers for Fiona's, which went down very well, especially if there was a good cake that day! Some vouchers were held for a special treat, and others used as a chance to take time out for a chat with new colleagues. We also brought in coffee mornings, an opportunity to introduce people who had only met on email or heard about each other in passing. During these mornings it is nice to look around the room and see what an effect the association has.

'From Christmas hampers and raffles to summer BBQs, we have tried to ensure that all staff have the opportunity to benefit from the association, but it's not all about events. We have also tried to act as a voice for the staff, ensuring that their views and concerns are heard. The minutes of the association's meetings go to the college executive committee, which has been quick to address issues. Most recently we have changed the arrangements for lunch so that staff can sit anywhere, not just in the Gallery, which we hope will help the community feel more connected.

'As the out-going officers step down and others step up to take on the roles, it is as important as ever for the staff to continue to have a place, and a voice, within the wider college community. To this end, the Staff Association will remain, as will the staff, quietly in the background making sure that whatever needs doing to keep the college going is done.'

The Gardens

Brendon Sims, Head Gardener, writes: 'At the end of 2023–24 we were finishing off the landscaping and planting around the new college buildings. Since then we have been making sure that the plants survive to establishment. The new shrub borders and trees have increased our workload but the team's efforts have meant that the new spaces feel as if they have been there for a while. The new



Raised beds for the college community gardens behind Park Terrace

plants soften the architecture and make our new spaces very welcoming. Arriving students will probably not realise how new the planting is.

'With this large effort out of the way, our attentions turned to the next major garden project. As head gardener I have had a vision of widening access to horticulture through the gardens. The idea was a scheme of community gardens on an allotment style.

'The ideal location for such an endeavour was to the rear of Park Terrace, an area already maintained by the garden department. These gardens were originally the private gardens of each individual property. After Emmanuel purchased the houses in 1984, the gardens were connected. The garden team were looking after the gardens, but in truth the gardens had been turned into uninspiring low maintenance areas, which were rarely used.

'The opportunity to propose this idea for Emmanuel came almost by coincidence. I was invited to join a college committee concerned with health and wellbeing among students and staff: exam stress and work stress have never been more topical. In the committee meeting I had the opportunity to talk about the links between horticulture and mental health, for which there is a lot of scientific evidence.

'An initial challenge was funding. I worked closely with Corinna Russell, then the Deputy Senior Tutor, to identify a university grant to support mental health and wellbeing. I made a presentation and we went through several rounds before achieving success with a grant.

'Next, the project needed design. My former experience kicked in: I am a trained landscape architect. With the garden team, for whom this was a great

learning experience, we went through a site analysis, site surveying, a CAD drawing phase, cost estimation and, finally, construction. The project was completed entirely in-house.

The gardens became fully operational at the beginning of the 2024–25 year though some of the beds were taken over by staff during the summer. The gardens are intended as a place for students, staff and Fellows to escape the pressures of work and study. They provide an opportunity for gardeners to grow their own food and flowers. They also give the community as a whole an opportunity not just to grow vegetables and flowers but also to grow as people. It may take time for the community to come to terms with this new opportunity; there will be a learning curve. More practically, the community gardens, with their hot composting facility, will provide an opportunity to trial how the college can recycle food waste through composting.

‘Prospective gardeners should contact the garden department, which will be on hand to offer advice; but the long-term vision is that the college community will take ownership of the spaces.

‘In other garden news, I have had a slight change to my role. I now line-manage **Mark Robinson**, our wonderful groundsman at the college sports ground on Wilberforce Road. I aim to help Mark raise awareness of the sports facilities at Emma and to increase the student and college community engagement. Since Covid, university sports have been, across the board, in a bit of a decline. Emma is still one of the few colleges that has its own sports ground with wonderful facilities for rugby, football, tennis and cricket. It is a resource for the entire college community.

‘Finally, through the gardens, Emmanuel engages in horticultural education. In 2024, our first apprenticeship came to an end with **Izzie Hare** competing her level 2 horticulture and landscaping apprenticeship. Izzie was with us for about 18 months, studying one day a week at King’s College, Cambridge, and for the rest of the week working alongside us in the garden department, gaining valuable skills and starting on what will become a career in horticulture. We also say goodbye to our WFGA student **Emily McMullen**, who finished her one-year training programme with us. The garden department also has a partnership with Bedford College’s Shuttleworth College, which focuses on agricultural and environmental education. We currently supply a placement for **Danny Duddy** as he studies for his T-level horticulture course. Danny is in the second year of his two-year course. Emmanuel is helping to create the future generation of college gardeners! I thank the college for support in this area.’



Clubs and Societies

Clubs and Societies

ASIAN CULTURAL SOCIETY

2023-24

Co-presidents

Cameron Goh, Rose Luo

Vice-president

Lin Yuet Ming

Treasurer

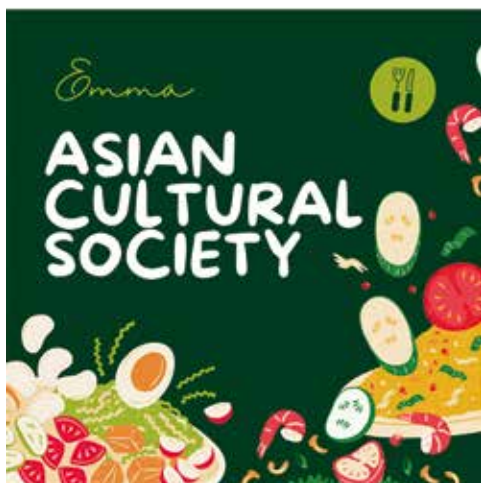
Tianlang Liu

Social officer

Hannah Xing

Committee members

*Hu Jiayu, Li Jiayi, Liu Tianlang, Huang Wentao,
Boaz Wong, Wang Ziyuan*



The Asian Cultural Society has carried on the good work of the previous year's committee, which founded the society. We welcome anyone and everyone interested in Asian culture, food, music and traditions, with several events throughout the year to celebrate these.

The highlight of the year was a Lunar New Year formal, celebrated by several Asian cultures as the most significant time of year and a cultural equivalent to Christmas. While the Cambridge term inevitably means that we are separated from our families at this time of family reunions, a second home is always found in the Emma community. A wonderful formal meal was prepared by the catering department and truly appreciated by everyone, accompanied by decorations and red packets with white rabbit candy

prepared by the society. Other events throughout the year included a bubble tea social, a trip to the Indian restaurant Tiffin Truck opposite Emma and an Asian drinks appreciation session.

The ACS has also made two exciting acquisitions, which help to create shared memories but that are not often brought by students to Cambridge. First, a mahjong set has been bought and made available for loan to members, with mahjong sessions organised for people to learn the rules of the game and its cultural significance. Secondly, a hotpot has also been purchased for communal use, enabling members to gather over the shared experience of cooking food in a simmering broth with traditional dishes such as chicken broth, Chinese tomato soup and mala hotpot. These are always available for members when not already in use.

We are looking forward to the year ahead and to more fun activities in the capable hands of an expanded committee and with the addition of many freshers, who have organised some of the activities. They are planning more exciting events to spread an appreciation of Asian culture and provide a place for Asians from all around the world to remember and cherish our traditions.

Cameron Goh, Co-president

ASSOCIATION FOOTBALL CLUB

	2023–24	2024–25
<i>President</i>	<i>Finian Reid</i>	<i>Finian Reid</i>
<i>1st XI captain</i>	<i>Chris Davis</i>	<i>Tobias Doye</i>
<i>2nd XI captain</i>	<i>Edward Allen, Caspar Slee</i>	<i>Danny Petrie</i>
<i>Secretary</i>	<i>Edward Allen</i>	<i>Barney Barnes</i>
<i>Social secretary</i>	<i>George Lloyd</i>	<i>Chris Batten, Tom Elkeles</i>
<i>Kit secretary</i>	<i>Nik Brown</i>	<i>Chris Batten</i>

The end of the 2022–23 season saw the graduation of an unusually large number of Emmanuel College Association Football Club journeymen, leaving the squad undermanned entering the year. This meant that for the third eleven, October marked not a beginning but an end; for lack of numbers the difficult decision was made to amalgamate the second and third teams into one entity that would compete in the fifth tier of the Cambridge University Association Football League.

Second eleven

The season got off to a quietly promising start with a 3–2 home victory against Clare II in the League, followed by a narrow defeat against Robinson. An away game against Downing II got quite feisty, with the Downing hooligans making cry-baby faces at our co-captain Ed Allen. Unfortunately for us, the game did end in tears with a gutting 5–2 defeat. The season continued with a 6–4 victory against Trinity Hall, followed by a shameful 3–0 defeat to the local CATS college. We bounced back with emphatic victories against Trinity Bruces and promotion hopefuls Homerton III, leaving us with a satisfying midtable finish at fifth.

A post-merger administrative quirk led to our competing in both the Shield and Vase competitions. We had most success in the Shield, with perhaps our finest performance of the year, a 6–1 victory against Christ's IIs. A superb long-distance effort from man-of-the-match Chris Batten and a curse-breaking freekick



Emma football players at an outing, left to right. Front row, Aaron Mehmood. Joshua Moore Prempeh, Danny Petrie, Eddie Wilkinson. Back row, Aidan Hynes, Tobias Doye, Nik Brown, Tung Nguyen.

from Danny Petrie were among the goals. A narrow loss against Sidney Sussex was the end of our campaign.

Special mentions should go to star wingers Kevin Ye and Hussein Barreh, the ever-reliable Barney Barnes and Joey McGuinness, who rivalled Maradona in his ability to perform in a hangover. Our player of the season was George Lloyd, whose almost infallible performances at centre back led us to concede only 25 goals across seven League games.

First eleven

Perhaps the less said about the League campaign the better: we only managed to assemble the numbers to play four games, all but one of which ended in defeat. At the time of writing, the final League table is still yet to be assembled after walkovers are tallied, but it seems almost certain that we will be relegated to the third division for next season.

The Cuppers campaign saw more success, with a brilliant opening 7–1 victory against Christ's first eleven. A superb solo goal from Blues player Aaran Mehmood won goal of the season, with other goals coming from Tom Driver and Chris Davis. Downing then put an end to the Cuppers run.

Tobias Doye won player of the season for his commanding presence in midfield, and under his leadership next season we can be hopeful for more success.

Finian Reid & Edward Allen, President & Secretary

BADMINTON CLUB

	2023–24	2024–25
Co-presidents	James Lester, Andrew Yang	Cameron Goh, Hana Oya-Knight
Open captains	Cameron Goh, Kinshuk Jain	Tianlang Liu, Tim Pan
Women's captains	Molly Macleod Hana Oya-Knight	Hannah Coulstock, Molly Mcleod
Treasurer	Ben Blaker	Molly Mcleod
Social secretary		Hannah Xing
Committee Members	Tuhin Varshneya Neel Maniar Eduard Hueffer	Mark Fu



The Badminton Club, from left to right. Front row, Hannah Coulstock, Hana Oya-Knight, Molly Macleod, Andrew Yang, James Lester, Cameron Goh. Second row, Neel Maniar, Harriet Knights, Tianlang Liu, Tim Pan, Eduard Hueffer, Mark Fu, Yuran Chen. Back row, Boaz Wong, Clara Loughran, Hannah Xing.

The 2023–24 academic year has once again been a joyous and triumphant season for the Emmanuel Badminton Club. The year marked the beginning of a new era for the club, with plenty of freshers making their mark on and off the court.

For the first time, we entered three teams into intercollegiate Cuppers: open, mixed and women's. Each team won over half of their matches against difficult opposition, and there were many exciting matches.

While all three of our League teams had great success this year, the women's team was particularly impressive. A youthful team stormed to the top of the second division, earning Emma a promotion back into the top League! All the captains did a phenomenal job, and two of them, Hana Oya-Knight and Cameron Goh, will be leading the club next year. Emma Badminton is in safe hands.

Emma Badminton has shaped my four years here. Daniel Yue and Tuhin Varshneya, thank you for guiding the club through Covid and sticking around to help. Robbie Hodgeon and Hollie Dourousseau, thank you for funding all of our shuttles and courts, and for the joy your exciting matches provided. Casper Sue,

thank you for humbling us over and over again. James Lester, thank you for your level-headedness and for running the club with me for the past three years. Neel Maniar, thank you for being the best captain and an even better friend.

And to Juliet Anderson, Tierney Wait, Eduard Hueffer, Molly Macleod, Hana Oya-Knight, Cameron Goh, Hannah Xing, Tian Liu, Tim Pan, Mark Fu and many others, lots of badminton love from Andy!

Andrew Yang, *Co-president*

Women's team

The Emma women's team has had an exciting year climbing the League tables. Following an uneventful Michaelmas (don't ask how many matches we played), the team rose from the very bottom to the top of their division in Lent, with an easy, clean sweep of all their matches. Despite some tentative moments, including the score reaching 20–20 on a third, deciding set against Lucy Cavendish, the team established its dominating presence in the college badminton ecosystem. This was achieved by some doubles dream teams, including Hannah Coulstock and Laura Clapham, and Molly Macleod and Hana Oya-Knight, and strong performances from Kathryn Geddes, Harriet Knights, Jiayi Li, Hannah Xing and Aahana Jain in both singles and doubles. Keep an eye out to see the team dominate the first division next year (displacing the women's Cuppers winners to second division) under the wise and watchful eyes of Hannah Coulstock and Molly Macleod.

Hana Oya-Knight, *Women's captain*

Open team

The Emma open team has maintained our position in the third and sixth divisions for the first and second teams in the face of tough opposition, narrowly missing out on promotion to the fifth division on account of a closely-fought match against Caius lost 4–3, and difficulty scheduling the last game of the division in Lent. There were great contributions from many people across our teams, especially in the open seconds, where everyone was welcome to play and try their hand at college League. Shoutouts to consistent players Tianlang Liu, Mark Fu, Jacob Stephens, Andy Yang, Tim Pan, Tuhin Varshneya, Neel Maniar, Eduard Hueffer, James Lester, Casper Sue, Hana Oya-Knight, Hannah Coulstock, Hannah Xing, Jiayi Li and many more. Next year, the open teams are in safe hands with Tianlang Liu (firsts) and Tim Pan (seconds), looking forward to the fight for promotion!

Cameron Goh, *Open captain*

2024–25

Following our year as open and women's captains respectively, we are excited to start our reign as presidents/overlords of Emma badminton. We hope to carry on the good work of our predecessors and make Andy Yang proud, supported by our amazing committee for 2024–25. Next year should see many more victories, some fun swaps and socials, and complete League table dominance.

Hannah Oya-Knight & Cameron Goh, Co-presidents

BOARD GAMES SOCIETY

2023–24

Supreme overlord & chairperson

Secretary

Treasurer

Quartermaster

Anti-poker society officer

Stash officer

Computing officer

Board members

Cameron Goh

Lorna Beal

Nabeel Abdul Rasheed, Nick Cheng

Harry Appleby-Taylor

Kirsti Jones

Eleanor Marshall

Luka Pivovarsky

Rohan Agarwal, Hannah Coulstock,

Amélie Gadsby, Lily Sneddon

The Emmanuel Board Games Society has revived after the unfortunate demise of its predecessor, the Emma Video & Board Games Society, during the pandemic. The society has come back with a vengeance, running weekly board games sessions at the Old JCR on Friday evenings, which have been well-attended, averaging 15–20 people a week, with around 100 people attending at least once throughout the year. As a new society, these sessions started in Michaelmas with many freshers joining and bringing their unique personalities to the society, and only took a brief two-week hiatus during exam season, otherwise remaining a place for Emma students to socialise and relax over board games.

Starting with nothing but a decent collection of games from the library and from people's personal collections, we now have started to acquire games for the use of the society. Some favourites among the new collection are *Concordia*, a game themed around building trading settlements around the Roman empire, and *Scout*, a card game involving combinations in a hand of cards that cannot

be rearranged. We continue to look for games that run the gamut of members' interests, from party games bringing a large group of people together to intense strategy games in which those with claims of intellectual superiority duke it out. Aside from board games, the society also tried its hand at related fun such as table-top role-playing games (thanks to the excellent game master Eleanor Marshall) and the wargame *Diplomacy* (thanks to Luka Pivovarsky).

Of all the games played at Board Games Society, the one that took the society by storm was *Blood on the Clocktower*: think of social deduction games, such as *Werewolf* and *Mafia*, with dead players continuing to have active roles and all players endowed with a special power. A rotating cast of storytellers (adjudicators for the game) brings everyone into fantastical mystery plots, cloak and dagger intrigues and hilarious mistakes where more than once an evil team manages to give up the ghost and announce their presence unintentionally. In our society photograph, everyone dressed up as individual characters from the game with hilarious results.



The Board Games Society, from left to right. Front row: Raphael Lin, Priscilla Nana-Sakyi, Kirsti Jones, Luka Pivovarsky, Eleanor Marshall, Lily Sneddon, Miles Peacock, Bethany White, Jason Chen, with a horizontal Cameron Goh. Back row: Isaac Simmonite, Rohan Agarwal, Harry Appleby-Taylor, Lorna Beal, Tom Speke, Lauren Airey, Anton Ariens.

Looking ahead, we want to make sure the society continues to be an inclusive and friendly space for people to gather over a shared hobby. We are a society for everyone, from absolute beginners to seasoned *Twilight Imperium* players. New activities to expect include more swaps (we had one this year, with the well-established Pembroke board game society), new games and new stories to be told in both role-playing games and *Blood on the Clocktower*. It was great to re-establish the society as a part of the Emma community: there are exciting things to come as the society grows.

Cameron Goh, *Supreme overlord & chairperson*

BOAT CLUB

	2023–24	2024–25
<i>President</i>	<i>Doug Chalmers</i>	<i>Doug Chalmers</i>
<i>Captain of boats</i>	<i>Freya Clarkson</i>	<i>Freya Clarkson</i>
<i>Men’s captain</i>	<i>Orin Chapman</i>	<i>Thomas Caskey</i>
<i>Women’s captain</i>	<i>Freya Clarkson</i>	<i>Amelie McKenna</i>
<i>Secretary</i>	<i>Amy Stretch</i>	<i>Cara Day</i>



The Emmanuel Boat Club committee, 2023–24, from left to right. Front row: Max Bowler, Orin Chapman (captain), Freya Clarkson (captain), Amy Stretch, Charles Powell. Back row: Thomas Caskey, Rob McPherson, Luca Smith, Polly Almond, Joel Robinson, Neena Kang, George Winder, Esme Hearn.

Women's team

The women's side started Michaelmas term promisingly, with a well-attended training camp. This set us up well for a strong term. W1 started the term in two fours and competed in university fours, with the second four reaching the final of the competition.

A large number of novices signed up at the freshers' fair again and, despite bad weather and many river floodings, put in good performances at Emma Sprints as well as at Fairbairns. Many thanks to Max Bowler for organising Emma Sprints and to the lower boat captains for their amazing enthusiasm and organisation with the novices.

W2 had a strong term, winning Fairbairns in what has been the most successful term for the second boat in many years.

Lent term began with another successful boat camp where novices and seniors got to know each other and everyone was enthusiastic to get back on the water after the Christmas break. W2 carried on with their success from Michaelmas by winning Winter Head to Head, while W1, with two ex-novices, developed as the term went on, making the semis of Pembroke regatta. Come bumps, given the cancellation of the Getting On race, we were lucky that W3 was high enough on the river to qualify automatically! We were the only college to have a W3 in the Lents. W3 were in a tough position among many W2s and got spoons, W2 narrowly missed out on blades going up three, and W1, with a new cox (due to illness) on the first day of bumps, coped well with the change but unfortunately went down three, finishing fifth in the first division.

Easter training camp started on the Cam as usual, getting in lots of miles as well as fun socials in the evenings: who needs to study anyway? The senior crews then headed to Norwich for the weekend to cement changes with lots of uninterrupted rowing as well as bonding among the sides. The benefits showed in Spring Head to Head a week later when the W1 four-plus won a nice new gin glass! Carrying on the momentum, W1's focus turned to Bedford regatta, another great day out in the sun! W1 won both the college and open women's competitions. It was great to get six races in and to face some of our competition for the first time, including a notable win of three lengths over Jesus. Meanwhile W2 competed in the Radegund Mile on the Cam, finishing third. The final race of term before bumps was the Champs Head. W1 won this race with the second fastest time ever, while W2 put in a strong performance to finish fourth. Feeling confident, both crews concentrated for the final few weeks before bumps. W4 and W3 went down three but retained top respective lower boat on the river. W2



W1 after bumping Newnham on Day 1 of Mays, from left to right. Front row: Annabel Cardno, Freya Clarkson, Amy Stretch, Chinazo Okeke. Back row: Helen Nielsen-Scott, Anna Basford, Grégoire Denjean, Cara Day, Carina Graf.

bumped Darwin on the first day in under a minute before narrowly missing out on a bump on the second day despite overlap; W2 then got bumped on the third and fourth days. W1 bumped Newnham W1 on the first day and, despite moving on the crews ahead of the start, rowed over the next three nights to finish the campaign plus one and fourth on the river.

A massive thank you to the Emmanuel Boat Club Association for their continued support, which enables the club to continue to succeed, as well as to Doug and Helen Chalmers who come rain or shine and can be found cheering us on from the towpath. Finally thank you to Pete and Mary Twitchett, without whom we would all be very lost! I wish all the best to next year's captain Amelie McKenna and look forward to seeing the success she will bring.

Freya Clarkson, *Women's captain*

Men's team

Michaelmas term was foundational for the men's side. Coming off intense summer training, two M1 fours and an M2 eight took on various races. Our M2 eight began the season by winning Autumn Head by a commanding margin while the fours focused on the University Fours competition. The second four won their division by a substantial margin, winning university medals, while the first four made their final and just lost out to a very quick Magdalene.

The newly minted M1 eight took on Winter Head to Head. Producing a dominant performance, the eight won a clear victory against all college and town M1s, taking an overall first place. Despite losing our stroke seat with only days to go, M1 raced Fairbairns admirably, missing out on the overall win to Caius by just 1.7 seconds. With M2 also continuing to perform well, Michaelmas formed a strong basis for the year and left both crews hungry for more.

The novice programme began to take shape, with our lower boat captains Thomas Caskey, Polly Almond and Joel Robinson coaching four novice eights. Despite continual setbacks because of adverse weather, most boats managed to race. With those who could race finishing in the top half of their division, our novices proved resilient in what was a very disrupted Michaelmas. I hope this reflects a love for the sport and community that the club hopes to impart.

Lent term is always a pleasure as we integrate the former novices into the senior squad. After a productive camp on the Cam, four eights prepared to take on the term. In our first major race, Newnham Head, M1 finished in second place while our other racing crews, M3 and M4, came second and first in their respective categories.

High river levels took their toll on bumps again this year and the decision was made to cancel all but the top two divisions. This was a huge disappointment to our lower boats, all of whom had trained hard and seen such success early in the term. Nevertheless, M1 and M2 resolved to do them proud.

Having won 'technical' blades last year after the cancellation of a day of bumps, M1 would let nothing stand in their way this time. King's, Queens' and First & Third were all cleanly dispatched in fewer than three cumulative minutes of rowing. M2, similarly, saw success by bumping Sidney Sussex M1 and subsequently switching up and down with Pembroke M2, eventually finishing up two.

With blades secured for M1 and a strong campaign from M2, the men's side looked forward to better weather in Easter term. Before that, M1 headed to London to compete in the Head of the River race. A fantastic day out, the crew improved on their impressive results last year, finishing eighty-ninth out of 318



M1 warming up during May Bumps

entries and coming a close second for the fastest Oxbridge college crew. Racing the tideway is always a special experience; it was great for some of the crew to experience this for the first time.

The squad began our final bumps campaign with an exceptional camp in Norwich. The miles of uninterrupted training on the River Yare kickstarted our term and supplemented the squad's work on the Cam. The men's and women's sides came together as one Boat Club community, a unique experience made possible by a residential camp. Despite a further lack of cooperation from the weather, fun was had by all alongside a marked improvement in boat speed. In their first race post-camp, M2 and M3 were both the fastest boats of their ranking. This demonstrated the tangible benefits of work done on camp.

The week prior to bumps, M1 raced the Metropolitan regatta at Dorney Lake. Despite missing seven-seat Luke Beever, who won the competition with the University Boat Club, M1 finished fifty-fourth out of 83 in the time trial, a significant improvement on last year. Racing at Dorney armed the crew with the confidence that comes from multilane racing, a unique skill.

All four of our boats pre-qualified for bumps without needing to complete the Getting On race. M4 went up two, maintaining their status as the highest M4 in bumps. M3 went up one overall, bumping second and first boats along the way

and finishing as the highest M3 by a wide margin. M2 narrowly missed out on bumping Girton M1 and succumbed to a strong Homerton M1 on Saturday after twice rowing over ahead of them. They finished down one overall.

M1 had another dramatic week. After closing within a length of King's on Wednesday, Thursday saw them close to overlap on the reach before being bumped by a Blues-heavy Jesus crew. After a comfortable Friday row over, M1 closed to half a length on Saturday but, after a heroic effort by King's, were unable to finish the job. Like M2, M1 finished down one overall but neither boat was at all disheartened by an epic bumps campaign.

As my final year at Emma and this club draws to a close, I must acknowledge the unending assistance of the Emmanuel Boat Club Association and all who support the club. From all our coaches, Pete Twitchett, our boatman, and Doug and Helen Chalmers, so many people take the time to be friendly faces on the bank. I must give a massive thank you to all our coaches, without whom we could never have found ourselves with such a strong bumps campaign. In particular, the guidance of Elena Williams has been invaluable as she oversaw our training plan for a second year in a row. I would like to think that our results do some justice to the time and effort expended by our coaches. The club remains in a very strong position, and I look forward to seeing it develop in the coming years.

Orin Chapman, Men's captain

CHRISTIAN UNION

	2023–24	2024–25
<i>Reps</i>	<i>Harry Frith</i>	<i>Jonathan Westley</i>
	<i>Joe Speers</i>	<i>Sophia Brehm</i>

We as the Christian Union at Emmanuel are here for the whole college, and our events are open to all regardless of belief. This year has had a particular focus on asking big questions to our college community: 'Is there an objective quality to beauty?', 'Does science have a satisfactory explanation of everything?' or 'Is faith contrary to science?'. Through these big questions we got the chance to discuss the important matters of life and faith with many people from different perspectives.

In freshers week we encouraged many to take away one of the eyewitness accounts of Jesus's life, read it for themselves and consider the claims it makes. It was encouraging to see interest in this; many had not read a gospel as an adult before; and in an academic community it is important to be aware of the substance behind a faith claim. At the end of term, we had two visiting speakers: Professor Russell Cowburn on 'Can a scientist be a Christian?' and Peter Winch on 'Can't I "hit snooze" on Jesus?.'

Over the year we have read parts of the Bible in our weekly meetings. In Mark's gospel we read about how Jesus acts differently from the society around him, demonstrating his authority over sin and sickness and ultimately defeating sin and death on the cross. He did this by offering to take our sin and brokenness and pay the penalty, what we justly deserve, in our place. He loves us so much that he willingly endured this. The offer of forgiveness is on the table for everyone; no matter what we have done all we must do is turn to him.

We spent some time studying the Lord's Prayer. This prayer we have probably recited many times from memory; it was fitting to study it carefully to see what we are really saying when we pray it! Finally, in Lent term we dived into the book of Exodus to see how God acted powerfully on the scale of nations to bring his people out of slavery, and therefore how we can trust him and his help when we depend on him. Living in a society more opposed to God and Christianity, it is a helpful reminder to fear God and not man.

In January we ran a 'Question a quesadilla' event where anyone in college could ask a question about life, faith or God and be delivered a quesadilla of their choice along with some thoughts on their question by a Christian Union member. We had 14 responses, which led to some helpful conversations. This event was very encouraging and has brought our group closer together as we planned and carried it out.

In Easter term Jonathan Westley and Sophia Brehm took over as reps, that is, representatives to the wider Cambridge Inter-Collegiate Christian Union, to organise regular meetings, events and social media. We enjoyed a Passover meal together, a fitting end to our series on Exodus. Weekly prayer meetings have started up again: we spent some time praying for our college community, particularly through exams when we prayed over anonymous prayer requests sent in online. In praying for our college, it is a privilege to know that God hears us. 'This is the confidence we have in approaching God: that if we ask anything according to his will, he hears us', 1 John 5:14.

For those who are past members, we would be greatly encouraged if you would pray for us. Please pray for the reps to have time and energy to give into their role,

for the incoming freshers to get connected with a church community and for great boldness within the Christian Union. To keep up to date with what we are up to, see our Instagram account: https://www.instagram.com/emma_downing_cu/.

Joe Speers, Rep

CLASSICS SOCIETY

	2023–24	2024–25
<i>President</i>	<i>Zoe Shard</i>	<i>Madeline Taylor</i>
<i>Secretary</i>	<i>Madeline Taylor</i>	<i>Joseph McGuinness</i>

Michaelmas 2023 witnessed the establishment of the Emmanuel College Classics Society and with it a host of classics-themed events and activities, reinvigorating the classics community at college. Our first event involved the creation of the constitution, or as we called it the *Res Scriptae*: Stephen Oakley is still undecided as to whether this is funny.



Classics Society garden party, June 2024, from left to right. Front row: Zoe Shard, Madeline Taylor, Stephen Oakley, Chris Whitton and daughter. Back row: Nigel Spivey, Saskia Wiginton, Oliver Taylor, Joseph McGuinness.

One of our larger events in Michaelmas was a formal and a classics-themed pub quiz. Joash Hanicles and Miriam Mitchell emerged as the victors, despite the tough competition. Continuing with the dining theme, we all convened later in the term for a classics dinner hosted by Nigel Spivey.

In Lent, one of our standout events was a viewing of a Herodotus manuscript in the college library. Stephen Oakley gave a talk on manuscripts and manuscript traditions, a topic relatively unfamiliar to most of us and therefore of great interest. Afterwards there was a tea and coffee reception in the Museum of College Life.

Another activity enjoyed by all was a Plautus play reading in which we were delighted by Stephen Oakley's remarkably good imitation of a *meretrix*. Chris Whitton and Nigel Spivey also performed as a very convincing couple. The evening was accompanied by dessert wine and chocolate cigars: a fun event all round.

Other activities throughout the year included a Downing and Emma Classics Society swap, a Percy Jackson TV show viewing and a garden party.

We are only just getting started but it has been great to see college members outside the classics tripos as well as members of other colleges in attendance. We hope that next year's cohort will be eager to get involved and that the incoming president will aim to emulate outgoing president Zoe Shard's leadership and vision.

Zoe Shard, *President*

COLLEGE CHOIR

We have just finished another tremendous year for our wonderful choir. An increasingly confident and secure group of singers remained at Emmanuel at the end of last year and were complemented by a strong intake of freshers in October.

The academic year opened with the freshers' service. This event offers a taster, or smorgasbord perhaps, of the various services offered by the chapel during the course of the term, music provided by the choir. Particularly notable on this occasion was Rachmaninoff's *Nunc Dimittis*, the famous tenor solo sung by Sherman Yip, a third-year volunteer from Trinity College.

Regular chapel music got underway very quickly, with some memorable performances both by the choir and by soloists, as we continued our habit of Sunday introits and Thursday motets sung by individuals and small groups. This practice, which I believe is unique to Emmanuel, offers our students a regular chance to sing



The College Choir in Antwerp Cathedral

a substantial solo in public, developing both confidence and experience in a safe and supportive environment.

The first major highlight of the term's music was our performance of Duruflé's *Requiem*, senior organ scholar George Maddison tackling the fiendish organ part with apparent ease, and with a beautiful rendition of the *Pie Jesu* by third-year Izzy May. The term finished with the usual round of Commemoration of Benefactors, advent carols and the Emmanuel Society's service at the Temple Church, at all of which the choir performed with panache. The family carol service, with its attendant pantomime costumes, was its usual joyful fun.

The start of the Lent term saw the college shocked by the death of our Senior Tutor, Professor Robert Henderson. Occasions such as these are searing reminders of the importance of community and of the power of music to sing the unsayable. The college choir rose to the occasion magnificently and behaved with enormous professionalism and decorum. Personally speaking, I felt proud beyond words of what they were able to achieve that day, and that they represented what we strive to be: a kind and supportive community that achieves remarkable things. I should mention in particular our organists Miles Peacock and George Maddison, and soprano Lottie Swainston, who took on the enormous challenge of singing a Puccini song, specifically requested by Robert's family. Sadly, another college funeral, of Professor Chris Burgoyne, took place later that term, which featured another big solo, this time sung by the wonderful Izzy May.

At the end of the Lent term the choir visited France, Belgium and the Netherlands. Our first performance was in Paris, where we sang in the Travellers' Club for the local Cambridge Society. The club's premises were originally a townhouse for the courtesan of a Russian prince and are incredibly opulent: for instance, the bath, still extant but sadly no longer plumbed in, has three taps for hot, cold and champagne. From Paris we travelled to Brussels where, thanks to the generosity of several members, notably Nigel Cameron and his wife Anna, we were put up in style and shown around the city. We gave performances in the enormous Basilica of the Sacred Heart on the Saturday night and Sunday morning, during the latter of which I and several of the choir got stuck in the lift while returning from the bathroom. Happily, we were released in time for the next piece! From Brussels we travelled to Antwerp, where we sang vespers in the cathedral, and Amsterdam, where we sang choral evensong and a short concert in the Catholic basilica. It was notable that English choirs and the Anglican choral tradition are very popular in the Netherlands and Belgium: we received extremely warm responses and an offer of accommodation for the whole choir if we decided to move to Antwerp!

The spectre of exams always looms heavily over the Easter term. Our challenge is to provide an interesting and enlivening outlet for our students, and a chance for them to escape the rigours of revision without imposing any additional stress. I was delighted with the way our members engaged with choir during their exams, and the way we were able to accommodate their stresses and allow time off when they needed it. Despite the exams we were able to put in some fine performances. Particularly notable was the final service of the year, at which we sang Leighton's achingly beautiful *Second Service* and the amazing *Rejoice in the Lamb* (Benjamin Britten), with characterful solos sung by Lottie Swainston (the cat), George Palmer (the mouse), Harry Appleby-Taylor (the flowers) and Hugo Robijns (the alphabet).

The final event of the year was a short informal concert, at which the choir were able to perform again some of the music they had particularly enjoyed over the course of the year. The full chapel was testament both to their quality and to the way the choir is embedded within the life of the college. It was a lovely and fitting way to say a fond goodbye to our leaving choristers. They will be much missed, and I hope they will come back and see us.

Graham Walker, *Director of Music*

EMMANUEL COLLEGE STUDENTS' UNION (ECSU)

2024

<i>President</i>	<i>Tom Moran</i>
<i>Vice-president</i>	<i>Matthew Ferguson</i>
<i>Treasurer</i>	<i>Matt Gray</i>
<i>Secretary</i>	<i>Lorna Beal</i>
<i>Access & class act officers</i>	<i>Izzie Iveson, Sonata Mieliauskaite, Eleanor Wallace</i>
<i>Buildings & services officer</i>	<i>Miles Peacock</i>
<i>Charities officers</i>	<i>Adelaide Fasham, Sophie Hildreth</i>
<i>Computing & communications officers</i>	<i>Rohan Agarwal, Luka Pivovarsky</i>
<i>Disabilities & mental health officer</i>	<i>Susie Kirsten</i>
<i>Education & careers officer</i>	<i>Lily Sneddon</i>
<i>Entertainment (Ents) officers</i>	<i>George Allwood, Saffi Graham</i>
<i>Green officer</i>	<i>Sasha Carter</i>
<i>International officers</i>	<i>Rose Luo, Dio Shin</i>

*LGBT+ officers**Dani Lucini, Astrid Westlake**Racial equalities officer**George Pool**ROAR! editors**Leana Carbonez, George Lloyd**Shop manager**Ebun Bello**Women's & non-binary officer**Olga Devine**Welfare officers**Harry Appleby-Taylor, Loveday Cookson,
Ben Jerney*

The ECSU committee has been dedicated to supporting the college community, underpinned by trust, community and communication. With these principles underpinning all of our actions this year, this is what we've been up to:

Our international officers, Dio Shin and Rose Luo, have been the cornerstone of a thriving and diverse international community. They have run various events including popular formals and pot-lucks. Their contribution is most obviously felt during the vacations.

Our buildings & services officer, Miles Peacock, has done effective work communicating with college staff to ensure building work disruption is minimised and overseeing a successful room balloting process. Miles has continued to ensure that the effects of the cost-of-living crisis are minimised for all students.

Sasha Carter, our green officer, has been doing phenomenal things, most notably protecting toads crossing the road in Cambridge as well as starting a trial for food waste bins in Park Terrace.

Our access & class act officers, Izzie Iveson, Sonata Mieliauskaite and Eleanor Wallace, supported the university-wide shadowing scheme. They have focused on building a supportive community for those from an access and class act background. They also have worked on the annual access bus initiative, when current students visit schools in our outreach areas, Sheffield and Essex, and talk to all year groups from years 7 to 13 in order to make studying at Cambridge seem like a possibility.

George Pool, the racial equalities officer, has been busy supporting the Master with 'Life Journey' events, in which interesting people have visited college to discuss their varied life experiences. George has been a powerful advocate against all forms of racism. He has held various events with other colleges.

Olga Devine, our women's & non-binary officer, has worked to organise some inspiring events, including an International Women's Day formal and a female leadership conference. She has worked across ECSU and FemSoc as well as with the MCR.

Astrid Westlake and Dani Lucini, our LGBT+ officers, have fostered a warm and welcoming queer community in the college. They have run various events alongside the MCR to build a vibrant community. Their LGBT+ formals have helped raise money for local youth LGBT+ charities.

Our disabilities & mental health officer, Susie Kirsten, has been working with the college to create a quiet room in college which, it is hoped, will open at the beginning of Michaelmas term. Lily Sneddon, our education & careers officer, has worked with the Emmanuel Society to plan events and has collaborated with Emma Experience to ensure a strong programme for careers. She has also pioneered a series of changes in the library, including a quiet pod.

Saffi Graham and George Allwood, our entertainment officers, planned a series of fun events. They have made the most of the new bar space with wine nights, summer-themed parties and Valentine's cocktails. *ROAR!*, written by Leana Carbonez and George Lloyd, has similarly brought smiles to our faces.

Ebun Bello, the shop manager, has brought a vibrancy to the shop, stocking new items, such as stationery and batteries, as well as a classic and improved sweets offering!

We have a three-strong welfare team, Harry Appleby-Taylor, Loveday Cookson and Ben Jerney. They have run weekly coffee and cake drop-ins, welfare walks (weather permitting), film screenings, visits to Jack's Gelato and a trip to Ely! They coordinated the now famous pidge sweets, bringing much needed sweet treats to people in week five. Having a full welfare team has been a roaring success, with everyone in the college community benefiting from our diverse range of activities.

Addy Fasham and Sophie Hildreth, our charities officers, have done an exceptional job at raising money for various charities in Cambridge and beyond. They have led the way in forging new relationships between the college and local charities.

Matt Gray as treasurer has kept a keen eye on our finances, as well as pioneering the new prescription reimbursement scheme offered by the college. His efforts mean that the college now supports students financially with the cost of NHS prescriptions.

Our webmasters, Rohan Agarwal and Luka Pivovarsky, have been working tirelessly to get a new ECSU website up and running. We are excited to see the fruits of their labour to improve the presence of ECSU internally and to prospective students!

Matthew Ferguson, our vice-president, has been dependable, reliable and supportive. He has been eager to support committee members with their different

tasks and has been a powerful voice in college-wide committee meetings. His preparations for freshers week, alongside our freshers reps, are sure to make an exciting time for our incoming freshers.

ECSU would not function without the work of Lorna Beal, our secretary. She has pioneered our relaunched Instagram (feel free to follow us @ecsucambridge) and managed our meetings impeccably.

My role as president has been varied and exciting. I have now impressed the principles of trust, community and communication on the minds of everyone at Emma, including the Master! It has been one of my greatest honours to represent the undergraduate community across a series of meetings with Fellows, the Bursar, Senior Tutor and Master. I am particularly proud to have established a cooperation guide, which sets out a new framework and expectations between ECSU and the college. Building strong relationships across the college, I have been able to ensure student voices are heard.

This ECSU committee's successes cannot be down to one individual or role. Rather, we have all worked collectively to deliver for all students. ECSU is a strong, influential and powerful voice, and I hope it will continue to be one for many years to come.

Tom Moran, *President*

FILM CLUB

2023–24

Co-presidents

George Lloyd, George Pool

2024–25

George Lloyd, George Pool

When George Pool and I (also called George) realised during our first term that we were equally enthusiastic cinephiles, it was a welcome revelation. Appalled that the college did not have an active film society, we sought to right this wrong as soon as possible. After only a year of procrastination, Emma Film Club saw its inception. Despite fierce opposition, and even an attempted coup, we rallied to prevent a reversion to the name of its predecessor, deeming 'CinEmma' to be a rather crass pun. Our society needed its own identity.

Having both quickly realised that I had the admin skills of a donkey, it was decided that George Pool would specialise in this side of things. His role included booking the room for the screening as well as handling advertising for the club

on social media. My job was to create the captions for the social media posts, along with writing up a programme for each week's screenings.

We arranged our first screening, the Japanese horror film *Audition*, to coincide with Halloween, bringing in an encouraging 30 people for our inaugural event. Unfortunately, the body horror that the movie exhibits may have scared off quite a few attendees forever. While we insist that it was all tastefully and artfully done, it did make quite a distinctive first impression.

Eager to prevent ourselves from being typecast as depraved weirdos, we significantly shifted the tone for the following week, screening Jim Jarmusch's charming and offbeat gem, *Down by Law*. We finished the term with such eclectic choices as a Norwegian (anti) rom com, an Iranian road trip movie and a quirky yet overlooked Christmas classic. It was a term that set the tone for what we aim to achieve with this society: to show films that we feel most people would be unlikely ever to see otherwise.

Lent term started with a distinct change of pace as we collaborated with ECSU welfare for our first film. While *Mean Girls* may be opium for the people, it is not really our cup of tea. Thankfully, we were able immediately to return to our pretentious yet heartfelt ways with screenings of *May December* and *Cléo from 5 to 7*. We decided to screen only a couple of films during Easter term, taking into account the fact that exams might be at the forefront of people's minds. We capped off the year with *Rashomon* and *Happy Together*, two classics from Japan and Hong Kong respectively.

All in all, it has been a fantastic first year for Emma Film Club, and we feel we've provided the college with a much-needed dash of discerning cinephilia. With the mainstream of cinema dominated by Hollywood and Marvel, we feel that there is a desperate need for an alternative, for movies with underrepresented voices and daring techniques to continue to be watched. Emma Film Society is there to provide this alternative.

George Lloyd, *Co-president*

HOCKEY: MEMMA

	2023–24	2024–25
<i>Captain</i>	<i>Maddie Smith</i>	<i>Adam Harris</i>
<i>Treasurer</i>	<i>Helena Sinjan</i>	<i>Hira Naqvi</i>

The mixed Emmanuel and Murray Edwards hockey team, known as Memma hockey, participated in three different competitions this year. We began the season in the second division of the Michaelmas College Hockey Mixed League, which organises seven-a-side half-pitch games played on Sundays and lasting only half an hour each. After winning nearly every game of the term, largely because many incoming freshers this year were hockey players, we were promoted to the first division of the Lent League after Christmas.

Unfortunately, with more intense competition from the opposing teams in the first division, Lent term proved less successful for Memma hockey. This means that we have been demoted back to the second division for the Michaelmas League



After the Cuppers match, the hockey team in pink kit sponsored by Nanna Mexico, left to right. Front row: Hira Naqvi, Sophia Brehm, Chris Batten, Athena Ganesh, Sophie Beck, Katie Wakefield, with goalkeeper Adam Harris in foreground. Back row: Sachin Bhogal, Jack Lipman, Katie Copp, Maddie Smith, Evie Barnes, Connie Baxter.

next year, which should mean an easier term of hockey after the summer. Notably, Adam Harris, our goalkeeper and next year's captain, made some excellent saves, after getting a lot more action in goal than in the Michaelmas League, keeping the score margins much narrower than they otherwise would have been.

Finally, the Cuppers tournament began at the start of March. This is a knockout tournament among the different college teams in an 11-a-side full pitch, hour-long format. After recruiting some Cambridge University Hockey Club (CUHC) players who had finished for the season, Memma fielded a strong team against St Catharine's-St Edmund's in the first round. There were particularly strong performances from Athena Ganesh, Connie Baxter and Hira Naqvi, who were all playing their first full pitch hockey match ever and made some strong tackles against CUHC players on the other team. Unfortunately, we lost the match, but not for lack of trying, and St Catharine's-St Edmund's went on to be the eventual winners of the tournament, further highlighting how well we fought.

All in all, this year has been extremely successful for Memma hockey, with plenty of new players joining from all year groups and abilities. Lots of fun has been had on and off the pitch. Here is to many more years of hockey playing and cake eating for Memma hockey in the future!

Maddie Smith, Captain

MAY BALL

This year's May Ball saw the college transformed into a 'DREAMSCAPE', embracing the surreal and the subconscious, the whimsical and the wacky: the night was certainly one to remember. Following weeks of drizzling rain and an uncharacteristically cold June, the sun finally came out and we were blessed with dry weather! Our guests entered the ball through the North Court tunnel, an admittance through 'the mind's eye' and emerged into New Court, which was an ode to folk tale and bedtime story. Gold beads hung from the trees, and a snow machine alluded to the magical sand used to put people to sleep by the legendary figure of European folklore, the sandman. The Old Library was decked out as a nightmare, filled with gothic chandeliers and cobwebs. An eclectic array of entertainment, including a ceilidh, pole dancing, ballroom and Latin dance, with live music, staved off anything less than pure joy in this space! Meanwhile the Hall was

an ethereal terrain of clouds, at first home to 'Drag Time!', and then to a bedtime rave in the form of the hugely popular silent disco. Front Court looked majestic, phantasmagorical in its shimmering splendour and optical illusions. 'Town & Gown' mixed a range of outlandish cocktails and mocktails, featuring bubbles, popping candy and edible flowers! The vodka ice luge proved to be a favourite feature of many who attended.

For those who fancied a gentler atmosphere, the Robert Gardner Room (decorated in a peaceful blue hue with reference to Joan Miró's statement that 'this is the colour of my dreams') offered life-drawing classes and a sleep-inducing gong bath. At the other end of the spectrum, the Paddock hosted the main stage, headlined by acclaimed jazz funk band Nubian Twist to get the crowd grooving, followed by Taylor Swift and ABBA tribute bands, which were certainly responsible for some lost voices the next morning. The flower-filled Fellows' Garden was a 'midsummer night's dream', with an acoustic stage, a shisha tent and henna and glitter stands. Meanwhile, newly developed spaces offered an eclectic range of possibilities. Fiona's café was home to the much loved Churchill casino; the bar offered a surrealist supper with decadent platters of food and bespoke wine tasting sessions; and the Doug Out was a space to recharge with a tea and coffee bar along with LUSH hand massages. Outside the bar, local Cambridge barbers supplied fresh trims to bold guests who fancied a memento to outlive the night! A diverse range of food vendors offered goodies throughout the ball from Sicilian arancini, to jollof rice and plantain, to delicious chickpea chaat and mango lassi, fuelling our guests until 6am, when the survivors' photo was taken, lit by the early morning sun.

We were appointed in August 2023 as presidents of this year's event. Thus, we have spent the best part of a year working with our incredible committee and alongside the heads of department within the college to put on an unforgettable night. It has been a rewarding experience and, though challenging at times, an opportunity to make amazing friendships across the college community. There is nothing like cleaning up the remnants of a party for 1500 to bring you closer together! Throughout the year, during the set up and on the night of the ball itself, our committee showed commitment and resilience. It was an honour to work alongside everyone. Teamwork truly does make the dream work!

We also feel hugely grateful to all the college staff who showed us enormous support, guiding us through the experience with patience and compassion. The ball could never have happened without the porters, catering staff, gardeners, health and safety experts and electrician. Bursar Catherine Webb and Senior

Treasurer David Livesey acted as points of contact throughout the year, helping us to navigate the challenges that accompany putting on such a large-scale event. We feel very grateful to have had the opportunity to learn so much throughout the process, from getting to grips with employment law, to handling VAT, to dealing with the odd tabloid article! We feel lucky to have been the presidents for this year's ball. It has been an enjoyable year that has pushed us both beyond the spheres of our academic undertakings as a fifth-year medical student and an MPhil geographer, and given us an experience like no other. We cannot wait to see what next year's committee achieves!

Uyen Bui & Odessa Chitty, May Ball 2024 presidents

MCR

2023–24

President

Tung Nguyen

Vice-president

Mayowa Olagunju

Secretary

Tom Cowperthwaite

Treasurer

Ben Blaker

Education & careers officer

Callum Pearman

Computer officer

Tuhin Varshneya

Accommodation & environment officer

Peifeng Xu

Social secretary

Alex Abrudan

External events (swaps) officer

Ellen Schrader

Welfare officer

Kayton Rotenberg

International officer

Birukti Tsige

Minorities coalition officer

Suren Pahlevan

Women's officer

Alexandra Bettez

LGBTQ+ officer

Allison Li

Sports officer

Cecilia Zhou

The academic year 2023–24 has been one marked with joyous events for our whole postgraduate community, beginning with freshers week. I was one of those who was welcomed at Emma with open arms in the first few weeks of October. The programme of activities offered by the MCR was truly brilliant, with a particular highlight being a jazz night in the chapel. What an iconic



The MCR committee, dressed for the black tie formal, left to right. Front row: Kayton Rotenberg, Allison Li, Ben Blaker, Cecilia Zhou, Suren Pahlevan. Back row: Tuhin Varshneya, Ellen Schrader, Tom Cowperthwaite, Tung Nguyen, Alex Abrudan, Callum Pearman, Mayowa Olagunju.

Emma experience! Our predecessors deserve huge gratitude for the effort they expended on such a rich timetable.

The current MCR committee was elected in early Michaelmas term, with the goal to provide exceptional social, cultural and academic opportunities for our community, backed up by some technical reforms behind the scenes.

An integral part of the calendar has been our programme of MCR formals, each themed to guarantee a unique evening of fun for all our members and guests. This year our formals included a Cuban night with a salsa dance class and for Burns night a traditional ceilidh. A standout external event was the swap with our sister college, Exeter College, Oxford. In Lent term, we welcomed over 30 Exeter students to Emma and organised a day of fun and friendly competition. We were delighted that Doug and Helen Chalmers were able to join us for the festivities, and we strove to entertain our guests with a fantastic spring-themed dinner. Other external events included swaps with more than ten other colleges, taking the opportunity to engage with other postgrads from across the university.

The MCR committee is also dedicated to promoting students' health and wellbeing. This year our welfare initiatives included a mid-term massage day at which nearly 30 MCR members received free chair massages from registered massage therapists to relieve the musculoskeletal consequences of postgraduate life! By far one of our most successful welfare initiatives, however, was the introduction of a subsidy programme for MCR members to swim at nearby Parkside pool and Jesus Green lido. Like the ducks in the Paddock, the MCR loves to swim! Students regularly made use of the programme to cross-train, to relieve stress or even to learn to swim for the first time!

Back on account of popular demand, we also organised some more casual events, which were very well-attended, a testament to the strength of our community. These included ice cream trips, charcuterie nights, a MarioKart tournament and our recurring pub night, Dr Drinks. In collaboration with Emma Experience, many MCR members took part in weekly fitness sessions on Parker's Piece throughout the year, a great opportunity to stay healthy and bond with others in the MCR in a fun, supportive environment.

Aside from the social and welfare activities, the MCR has also organised a variety of academic events. Grad talks were held regularly throughout each term, with students from a wide range of fields presenting their work to a general audience. This not only enlightened those in attendance, but also helped hone the skills of the presenter in preparation for conferences or vivas. Our academic offering culminated in our largest ever Emmanuel graduate symposium, held at the end of May. Here, we heard from over 25 MCR members in a range of formats, from interactive presentations to posters, allowing us to share our passions and to find connections among each other's work. The growing influence of AI was a notable theme at the symposium; however the human creativity required to solve complex problems remains formidable.

The MCR's year was topped off with an exquisite black-tie formal at the end of Easter term, maxing out our capacity with faces old and new, as we celebrated the conclusion of another academic year and wished our Master's students well in their future endeavours.

Being a part of this year's MCR committee has been an enormous honour, from organising the most casual ice cream event to the most elaborate formals, and I have no doubt that our community will continue to thrive long into the future.

Tom Cowperthwaite, *Secretary*, with
Tuhin Varshneya, *Computer officer* and
Cecilia Zhou, *Sports officer*

MEDICINE & VETERINARY MEDICINE SOCIETY

2023–24

<i>President</i>	<i>Neil Sardesai</i>
<i>Vice-president</i>	<i>Yasmin Hornsby</i>
<i>Treasurers</i>	<i>Nabeel Abdul Rasheed, Luke John</i>
<i>Secretary</i>	<i>Michael Luo</i>
<i>Welfare officers</i>	<i>Izzy Cassidy, Nina Weston</i>
<i>Social secretaries</i>	<i>Zoe Gunasekera, Thomas Neale, Katie Wakefield</i>
<i>Vet officer</i>	<i>Jack Pyman</i>
<i>Clinical officer</i>	<i>Seb Mobus</i>

This year has been action-packed, marked by a number of events. We have been privileged to host influential figures from medicine and industry, to launch a programme supporting aspiring medical students from underrepresented backgrounds, and to create opportunities for socialising and personal development among our members. As we reflect on these achievements, we are filled with pride and excitement for the future.

We launched an exciting lecture series, featuring leaders across medicine and industry, including the CEO of NHS England, the chief medical officer of CMR Surgical, the deputy general counsel of the Competition & Markets Authority, and the head of biomedical imaging at Microsoft Health Futures. The programme has been very well received by Emmanuel members and the wider Cambridge community.

We have also been setting up a mentoring scheme to widen access for sixth-form students from our link areas, Sheffield and Essex, who are hoping to apply for medicine at university. This is generously funded by the college to ensure that the scheme is completely free for students. We will be delivering webinars, mock interviews and one-on-one mentoring for six months. The scheme has proved attractive, with over 50 applications from a wide range of state schools.

Our brilliant welfare officers have thrown themselves into supporting the medics and vets. They have run multiple drop-ins, allowing all the year-groups to meet each other and share tips for surviving an often taxing course. They also kept everyone well-fed with welfare teas, along with the classic Week 5 sweets.

Our amazing social secretaries, Katie Wakefield, Tom Neale and Zoe Gunasekera, have had a busy year organising swaps and events. In Michaelmas, we swapped with the Clare medics and vets, joining them for a night of drinks



The MedVets on an outing to Jack's gelato

and fun. We also hosted a Christmas movie and pizza night (despite the pizzas' late arrival) and a formal swap with the Medwards [Murray Edwards] medics. In Lent we had a heated competition at the bowling alley against the John's medics and vets, with Marcus Barfield coming out on top as our ultimate champion. We hope that these events have kept people's spirits up and helped them to get to know each other and other medics and vets around Cambridge.

Our electives evening featured captivating presentations from sixth-years on their electives, offering younger students a glimpse into the exciting opportunities that await them. Lent term also concluded with a memorable trip to the ADC to see the musical *Sweeney Todd*, with dinner graciously provided by the college.

Our annual EMVS dinner saw all six years of medics and vets come together with our Fellows to enjoy a drinks reception and lovely dinner, naturally followed by a trip to the bar. It was a great night and one of the highlights of the year!

In Emma, we are very lucky to have such strong cohesion between the medics and the vets, not only academically, sharing supervisions and clinical evenings, but also socially. Maintaining this MedVet unity has been a strong priority of the society this year. Jack Pyman, our inaugural vet officer, has been involved in the organisation of events appealing to medics and vets alike, and we have been delighted to have so many vets involved. Separately, we held an Emma vets' welfare event in the JCR in Lent term. It was an opportunity for Emma vets from all years to have a social time, and also to raise any concerns, over tea and cake. The annual student-led vet lunch also took place in the JCR in Lent term, with fierce competition among the different types of risotto cooked by Liv Du and Jack Pyman.

Finally, we want to congratulate all our members on their hard work and achievements this year. We especially extend our congratulations to our newest cohort of doctors and vets, who have graduated and started their professional careers.

Neil Sardesai, President

MUSIC SOCIETY (ECMS)

	2023–24	2024–25
<i>Honorary President</i>	<i>Douglas Chalmers</i>	<i>Douglas Chalmers</i>
<i>Director of Music</i>	<i>Graham Walker</i>	<i>Graham Walker</i>
<i>College Fellow</i>	<i>Sarah Bendall</i>	<i>Sarah Bendall</i>
<i>Presidents</i>	<i>Polly Almond, Grace Kenyon</i>	<i>Harry Appleby-Taylor, Norah Rouffaert</i>
<i>Treasurer</i>	<i>Lewis Clark</i>	<i>Sophie Beck</i>
<i>Secretary</i>	<i>Alice Ibbot</i>	<i>Rachel Mokete</i>
<i>Events managers</i>	<i>Daniel Hilton</i>	<i>Zoe Gunasekera, Jack Pynn</i>
<i>Hires & equipment managers</i>	<i>Amy Dunn Sophie Beck</i>	<i>Amy Dunn</i>
<i>Publicity managers</i>	<i>Aditi Kumar</i>	<i>Olga Devine, Grace Kenyon</i>
<i>Webmaster</i>	<i>Lewis Clark</i>	<i>Lewis Clark</i>
<i>Emma chorus leader</i>	<i>Grace Kenyon</i>	<i>Olga Devine</i>
<i>Emma Jazz leader</i>	<i>Alice Durand, Eli Jay</i>	<i>Alice Durand, Eli Jay</i>
<i>Recitals manager</i>	<i>Rachel Mokete</i>	<i>Polly Almond</i>
<i>SECCO leader</i>	<i>Polly Almond George Maddison</i>	<i>Polly Almond Norah Rouffaert</i>
<i>Emma Big Band leader</i>	<i>Felix Daines</i>	<i>Dio Sangwon-Shin</i>
<i>Emma Brass leader</i>		<i>Lewis Clark</i>
<i>ECMS photographer</i>		<i>Astrid Westlake</i>
<i>General members</i>	<i>Dom Dakin, Grégoire Denjean, Emma Jennings, Lucy Martin, Neil Sardesai</i>	<i>Miles Peacock</i>

Easter term 2023 saw the new committee take over, led by first-year music students Grace Kenyon and Polly Almond. The end of term concert was well attended and gave a large number of students from the Emma community and the wider university the opportunity to show their hard work. The standard of our non-auditioned ensembles remains high. Emma Jazz provided energy to the concert, going on to perform at several May Balls, including Emma's own.

After the long vacation, Michaelmas saw the society return to the university and college freshers' fairs, recruiting good numbers to both our ensembles and recital series. Emma Jazz continues to be a high-standard auditioned ensemble,

performing regularly across Cambridge, with Emma Chorus, Big Band and the Sidney, Emma, Corpus Christi Orchestra (SECCO) taking a more relaxed approach with weekly rehearsals and termly concerts. This more relaxed approach gives even the busiest among us the chance to be a part of the ECMS community. The Lent ECMS concert saw the introduction of two new ensembles: Emma Brass, a brass quintet, and the ECMS clarinet quartet. These new ensembles have reinvigorated chamber music in the college and are bringing a high standard of playing to the society concerts.

The main recital series was moved from Sunday evenings to Tuesday lunchtimes, seeing a significant increase in attendance from both within and beyond the college community. We have had singer-songwriters, string quartets, vocal ensembles and soloists, to name just a few, performing in a diverse range of genres. A recent recital of German lieder, performed by a group of first-years, saw over 40 attendees. We hope that in the coming year we will build on this and develop our series' reputation as an exciting performance platform.

The Master's recital series continued this year, providing an excellent opportunity for Fellows, musical members and other college students and staff to meet and celebrate the work of individuals and small groups within the college. The ECMS clarinet quartet's performance in the Lent recital was a particular highlight and a testament to ECMS's continued growth.

Astrid Westlake



Emma Brass Easter concert



President Grace Kenyon at the Music Society desk, freshers' fair

A highlight of the year was our Lent term orchestral concert, organised and conducted by one of our first-year musicians, Harry Appleby-Taylor, with assistance from first-year geographer and junior organ scholar Miles Peacock. Taking a project-based approach and fixing the orchestra from across the university made this a high standard concert, tackling more challenging repertoire including Dvorak's Symphony No 9, *From the New World*. Harry, as co-president, is looking to continue these project-based concerts in the coming academic year.

Easter term 2024 saw the handover to our new committee. The work of the previous committee means the society is in a strong position, with exciting plans for the autumn already in place. The new committee has several members of the outgoing committee in new roles, bringing experience and continuity. In addition, the new role of ECMS photographer has been created, a huge asset to the society as shown by the concert photo included here! None of this would have been possible without the support of Doug and Helen Chalmers, Sarah Bendall and especially Graham Walker. We are immensely grateful for all they do for the society. ECMS has gone from strength to strength, continuing to create high quality music as well as a friendly community of like-minded musicians. It has been an honour to lead the society through the year, and we are very excited to see what the new committee achieves.

Polly Almond & Grace Kenyon, Presidents 2023–24

NETBALL CLUB (LADIES)

2023–24

Captain

Susie Kirsten

Having moved from the third division to the first division in 2022–23, the Emmanuel ladies' netball team continued 2023–24 with the same determination, teamwork and success, ending on top in division one and Cuppers!

The team started strong in the first term, winning our first match by 13 points with only six players against Churchill. Many of our top players from last year remained, and we welcomed some freshers who have made a huge contribution to the team. Given everyone's eagerness to play, we also initiated an extra training session every other week for the first term, which helped us to learn new techniques, to grow as a team and to understand how everyone plays. We carried what we learned from the training into the matches and ended third in the first term. The team did not rest there, but continued into Lent term, determined to top the League. This ambition along with strong teamwork and dedication from our players brought us victory. The highlight of the term was our match against Queens': we were losing in the third quarter, but after a team talk we were energised and ended winning by two points.



The Netball Club after Cuppers victory, left to right. Front row: Amber Morrison, Anna Partridge, Susie Kirsten, Harriet Knights. Back row: Jade Popoola, Ellen Ashley, Kathryn Geddes, Lucy Martin, Kate Lee, Iben Sollewijn Gelpke.

At the end of Lent term, we competed in the Cuppers tournament, where we brought snacks and drinks and had fun playing and chatting in the sun. We had amazing wins, scoring some points in under ten seconds along with some tougher turnarounds. We proceeded to the next round of Cuppers and started strong with a win of 14–2 against Murray Edwards, who had beaten us in previous terms. We continued to win against John’s and then had our toughest match against Jesus. The final score of 10–6 led to our triumph in the Cuppers tournament! We celebrated with the prize prosecco and a picnic in the sun.

Congratulations and thank you to everyone who played this year: you are the reason we topped the League and won Cuppers. I am so proud of how far the team has come in the past two years. The whole team has shown admirable strength and teamwork throughout the year, and I cannot wait to see this carried forward into the next year.

Susie Kirsten, *Captain*

POKER SOCIETY

	2023–24	2024–25
<i>President</i>	<i>Isaac Bullen</i>	<i>Catherine Hollamby</i>
<i>Vice-president</i>	<i>Kell Johnston</i>	<i>Noe Caesar</i>
<i>Treasurer</i>	<i>Fin Brickman</i>	<i>Tom Angell</i>
<i>Secretary</i>	<i>Oscar Gibson</i>	<i>Will Contreras</i>
<i>Marketing</i>	<i>Nick Dobson</i>	
<i>Men’s welfare</i>	<i>Molly Macleod</i>	

It’s been a great inaugural year for the Emmanuel College Poker Society. Things got off to a fast start with a (probably) record-breaking freshers’ fair, thanks to some excellent marketing tactics from the committee. We welcomed over 50 people to our first session in the downstairs events space in the bar. It was exciting to see students with a wide range of poker experiences, many having never played before.

We gathered every week for a few hours of chilled, but competitive, poker play; but one of the highlights has also been the wide range of conversations on every table, everything from the most intense discussions of poker strategy to debates on the number of hash browns it would be possible to eat at college brunch.



The Poker Society's inaugural tournament

A few weeks into Michaelmas term, we began our first paid tournament with great anticipation, mighty stakes of two pounds a person and the excitement palpable. Joseph Cooper came out the eventual victor and was crowned the world's first Emma Poker Soc champion. It was great to see so many people who had only learned to play since joining the society reach the final table of eight.

A particular high point was a paid tournament later in the year, when news spread soon after we began that a player from the Cambridge varsity poker team was competing. We all expected to be crushed by someone with years more experience than us, but Emma Poker Soc held its own, with six players managing to outlast him and sending him home empty handed.

Overall, it has been a very successful first year for the Poker Society and we're excited to hand over to the very capable hands of Catherine Hallomby, Noe Caesar, Tom Angell and Will Contreras. See you at the table!

Fin Brickman, *Treasurer*

POOL SOCIETY

Captain
Secretary

2023–24

Edward Allen
Caspar Slee

2024–25

Fin Brickman
Peter Longstaff

'Now we speak upon our cue, and our voice is imperial.' *Henry V*, Act III, Scene 6

This year the Pool Society enjoyed a reawakening after a year of dormancy, with the introduction of a pool table in our very own theatre of dreams, Mike's, which

soon became the headquarters of a coterie of rakish pool enthusiasts, sneaking in quick games between supervisions or washed down with a pint of Guinness in the evening. Alongside the innumerable procrastinatory frames played in lieu of studying, we embarked upon a campaign in the Cambridge University Pool League.

The team resides in the lowermost sixth tier of Cambridge college pool. Despite the low stakes of this competition, the other teams often possessed a professionalism that we lacked. A visiting Trinity team came equipped with their own £150 cue in a case; we only had crooked cues and a chipped white ball with the habit of taking spontaneous drunken swerves into the corner pocket. We did not manage to secure promotion, nor indeed did we come anywhere close. We did however enjoy a conviviality unrivalled among our opponents and did ensure that all fixtures were suitably bacchanalian (sometimes to our detriment). We played four games, the first being a nail-biting narrow loss to Girton College,



The Pool Society at a formal moment, left to right. Front row: Luke Beever, Jack Doust, Nat Kemp, Edward Allen, Constantin d'Orléans, Finian Reid. Back row: Tom Speke, Tom Elkeles, Peter Longstaff, Olly Parker, Fin Brickman, Noe Ceasar, Will Contreras, Jacob Stephen.

followed by a defeat away at St John's, a trouncing at home by Robinson, and finally a euphoric home victory against Trinity. The finest singles performances came from Seb Mobus and Consti d'Orléans, with Tom Hill and Caspar Slee also contributing multiple wins across the fixtures.

Other highlights included a doubles pool tournament organised by Fin Brickman in collaboration with the bar, which saw a singular Pete Longstaff get the crowd on its feet with a sublime double on the black to carry his partnership into the semi-finals. Congratulations to Tom Speke and Jacob Stephen for taking the victory.

Despite the mixed results in the League, it was a successful year. I have greatly enjoyed spending many hours playing pool with members of the society and can only hope there is no commensurate decline in my academic results this summer. It would be remiss not to give a special mention to Nat Kemp, my right-hand man without whom the club would certainly not have enjoyed such a revival. There is a talented crop of hungry freshers who are keen to tear up the League next year, and it is clear that the future of Emmanuel College pool is bright.

Edward Allen, Captain

RUGBY UNION FOOTBALL CLUB: PESTRUF C

2023–24

<i>Captain</i>	<i>Jack Doust</i>
<i>Vice-captain</i>	<i>Ben Crowther (Trinity Hall)</i>
<i>Social secretaries</i>	<i>Jasper Bates, Olly Parker</i>

This past season has again seen Emma rugby operate as a member of the amalgamated PESTRUF C, along with our allies at Peterhouse, Selwyn and Trinity Hall. Although yet again much of the year has been marked by reduced numbers, the one upshot is that members of the PEST team have become accomplished 11-a-side players with stamina akin to a prime Mo Farah (not).

The season's League fixtures kicked off in Michaelmas with three weeks of tripartite games in which the PEST squad saw some encouraging results. Fitz-Sidney (last year's Cuppers runners-up) were held to only a seven-point lead, while a strong Trinity-Christ's team were put in their place 21–0 in the squad's first away outing. The same day also saw revenge against the All Greys side, which



PESTRUFC after victory in the Boot final, with Emmanuel's Jack Doust, captain, holding the Boot

had snatched the Bowl from our grasp in last year's final, with PEST winning 14–7. The rest of the season saw mixed success, with some painful defeats to Robinson and Cats-Homerton exacerbated by poor numbers and only eventually soothed by plenty of beer and Six Nation's socials in Emma's new bar.

As last year, the best of PEST was to be seen in the Cuppers campaign. Glossing over a lack of numbers that saw some early round forfeits, the men of the mighty PEST came together to show a grit and determination that can only be found in those who have been humiliated in a ten-a-side rematch with the All Greys. Hunger for the sweet nectar of success (and the real nectar of Guinness that would surely follow), the boys were determined to put on a good show when they faced a fierce Churchill-Magdalene side in the Boot semi-final at Wilby. Battling all the way to the final whistle in an immensely physical game, it was only with a missed Churchill-Magdalene penalty and a beautiful goal-line drop-out clearance that the deal was sealed.

But if the semi-final was dramatic, the final was to be a true nail-biter. The firm underdogs going into it, PEST found themselves up against their old adversaries CCK (Clare, Corpus, King's), who had had a stellar season, finishing second in the first division only behind John's. In an *el clásico* for the ages, PEST went behind early doors but struck back and managed to narrow the deficit to just two by half-time. Following a team talk, on a par with the oratory of Martin Luther King or Winston Churchill, the second half saw PEST play some of the best college

rugby seen all season. With a second try coming early into the half, the remaining 40 minutes saw every man in the Emma jersey fight tooth and nail. With more excellent running rugby on the offensive, and superb five-metre defence in the dying minutes, the final whistle heralded a dream come true.

Having fought for the last two years to maintain a competitive squad against the university-wide struggle for numbers, the victory in the Boot final could not have been more well-deserved and could not have gone to a better group of players and men. Although a reworking of college rugby next year leaves the future of PEST uncertain, I have little doubt that Emma rugby will survive and continue to fight on. For now, however, a football boot spray-painted gold and smelling slightly of stale beer is a fantastic end to a very enjoyable season.

Jack Doust, *Captain*

SPORTS DAY: EMMANUEL VERSUS EXETER

This year's annual sports day was met with enthusiasm and energy, and so on the fair morning of Saturday 4 May, 37 Emmanuelites headed over to catch our coach. Some made it, others did not, but the first hurdle was accomplished. Upon arrival in Exeter College, led by George Maddison, Ava, Exeter's sports rep, was nowhere to be seen. She had been rowing, and so her friend Isaac showed us around the college and entertained us for a few minutes, after which we all parted ways and visited the city for the next hour, giving time for Ava to prepare. I dare not think that people had friends in Oxford and went to see them; a group of us went to have lunch instead.

We reconvened at Exeter and prepared to head out. Although we had lost a few to bad timekeeping, we were feeling better than ever as we navigated our way around the beautiful city. Upon arrival on the abandoned-looking sports grounds consisting only of grass, football and rounders pitches were set up in a matter of seconds. The football team consisted of Shoshana Dahdi, George Maddison, Lucy Randall, Izzy May, Michael Lucas, Nat Kemp, Ben Binu and our head coach Kevin Ye. After an intimidating war cry, the games began, four ten-minute quarters, with impeccable dedication to the rules, of course. Emma came out as winners, 5-3, after daring to play last goal wins despite being in the lead. The rounders match was equally heated, but alas Emma lost. I can only blame this on the more relaxed rules Exeter was implementing when it came to being 'out'.



Celebrating at the end of the annual Sports Day in Hall at Exeter College

Some won, some lost, but the real adversity being faced on those pitches was the lack of water and the ravenous midges.

All of us walked back through the city to the Exeter boathouse. It was there that most of the socialising occurred, and the erg race too. For those whose sport's thirst was not yet quenched, 200m races took place afterwards, while the hypnotising smell of the barbecue was spreading from the back. Our head chef, Nat, was in charge of cooking, perfectly braising buns and sausages for all to enjoy. The addition of cooled drinks as well as the complexity of tallying scores meant that the rowing race had no determined winner.

After that, people wandered in their own directions, only to reassemble at half seven for a formal dinner. The fact that we were the only ones in the Hall added to the ambience. Bar sports, the sport that we all came for, was at last upon us as we ducked into the undercroft bar beneath the Hall. The combination of high heat and bright lighting made an interesting setting. George Maddison among all beer drinkers can confirm that one thing Emma bar does better is pouring pints.

People played cards, pool and darts, and some spoke to the Exeter cohort. It turns out that they are not only literate but also a great laugh. As the time to return drew closer, some decided to hang out just outside the bar and the Hall,

in a quad dominated by tall sandstone buildings, as the light of the sun was not quite out and as the warm summer breeze lay upon our sun-kissed skin from a heated day of sports. As is always the case, trying to get everyone together and leave after a boozy bar session proved challenging, with George on his way to find Noe, who had vanished somehow. Lo and behold, soon enough, it was the coach that was waiting for George. As he made it back, the doors closed, and the coach took off. All in one bus, we lay asleep in uttermost silence as we returned home from a successful and eventful day.

Constantin d'Orléans

SQUASH CLUB

2023-24

President

Peter Nix

Squash at Emmanuel this year has experienced remarkable success. After not entering a team last year into the League, Emmanuel made a triumphant return and enjoyed great success in both the Michaelmas and Lent terms. In these



The victorious Emmanuel Cuppers team, left to right: Finn Andrews, Nishchal Mistry, Rachel Chen, Noe Ceasar, Shash Bhandari.

weekly fixtures, both the first and second teams performed exceptionally well in their divisions, earning promotions to higher divisions. This provides a promising basis for continued success and further progression towards the top in the coming Michaelmas and Lent terms.

The highlight of the year was the Cuppers tournament, which we entered with a team of our five strongest players. The Emmanuel team emerged as the victors, after defeating some formidable opposition teams. In the final, they secured a strong 4–1 victory against Trinity Hall, following a decisive 5–0 win against Peterhouse in the quarter-finals and a 3–2 win against a strong Queens' side in the semi-finals. This impressive success is a testament to the team's hard work and skill and is certainly worth celebrating.

Beyond the fixtures, it is encouraging to see the growing number of squash players in college and the high level of play. Many players have joined the university teams and training programmes, and the Emmanuel squash courts are regularly in use. Having a surplus of confident, capable players is a luxury not every college enjoys, and it speaks volumes about the strength of squash in college.

In summary, I am pleased to report that squash at Emmanuel is thriving. With a large roster of dedicated players and significant achievements in both fixtures and Cuppers, the future looks promising. We look forward to building on this success in the 2024–25 academic year.

Peter Nix, President

TENNIS CLUB

2023–24

Captain

Michael Miskin

Michaelmas term began with one team entered into the third division of the Cambridge College Tennis League tournament and a 4–2 victory over Lucy Cavendish. The rest of the term saw three drawn matches and one loss, proving sufficient for the team to remain in the third division for the Lent term, though the matches in Lent proved tough.

Easter term was the time for the Cuppers tournament, though losing our first match in a close-fought battle against Churchill saw the team make an early exit

from the main draw. Keen to show a return to winning form, the subsequent Plate competition saw two very convincing 5–1 wins in fixtures against teams from Pembroke and Gonville & Caius. While time was on no-one's side for teams to get all matches played in the busy Cambridge Easter term, we were one of only two teams to secure places in semi-final matches of the draw, an achievement of which all of the team should be proud.

On reflection, the year has seen increased participation in college tennis fixtures from an ever-growing pool of enthusiastic players, vital as we successfully fielded a full complement of players for almost every match. The captain's particular thanks go to team stalwarts Eduard Hueffer and Ignacio Sanchez for their ever-reliable commitment to the fixtures.

Let's hope that the next year sees further increases in participation and more successes as we build upon an excellent end to another year of tennis for the Emmanuel team.

Michael Miskin, *Captain*

THOMAS YOUNG CLUB

2023–24

President

Nikita Sushentsev (SCR)

Secretaries

Gorak Rajesh (JCR), Daniil Soloviev (MCR)

Since 1929, the Thomas Young Club has served as a forum for college members to discuss the ideas that underpin the work of their fellow scholars. Following a Covid hiatus, the club, which had originally focused on investigating philosophical questions, was revived this past Michaelmas term. Inspired by its original mission from almost a century ago, the Thomas Young Club now strives to unite Fellows and students from across the Emmanuel scientific community by establishing a social and intellectual platform for multidisciplinary engagement and discussion.

With Gorak Rajesh representing the JCR, Daniil Soloviev the MCR and Dr Nikita Sushentsev the SCR, the club invited distinguished scientists from various fields to share their ideas with our members. Armed with just chalk and a blackboard, each speaker presented the fundamental ideas and questions behind their work, followed by a roundtable discussion over a glass of port. The inaugural meeting of



Astrophysicist Will Handley who spoke at the inaugural meeting of the revived Thomas Young Club

the revived society coincided with the eightieth birthday celebration of Professor Bryan Webber, once a member himself, and featured Dr Will Handley of Gonville & Caius College delivering a captivating talk on the biggest unsolved questions in cosmology. Subsequent talks throughout the year addressed topics such as new approaches to the treatment of Covid, the nature of colour perception, the prediction of natural disasters, and the fundamental mysteries in particle physics. A joint event with the Medicine & Veterinary Medicine Society saw Professor Fiona

Gilbert of Newnham College discussing the potential benefits and risks that AI brings to breast cancer screening.

The meetings also saw multiple alumni of the club returning to Cambridge to join current members for dinner and the ensuing discussions; while some are still active members of Emmanuel, others were returning to college for the first time after many years. In addition to discussing the profound fundamental questions guiding their research, the distinguished speakers also highlighted the diverse roles that scientists hold in the world, whether in conducting fundamental research, developing new life-saving treatments, informing scientific policy in light of climate change, or travelling the world to help build schools that can withstand earthquakes. Easter term concluded with a final talk, in which Professor Mark Peters of University College London shed light on the intricate details that can determine the triumph or failure of a clinical trial.

We look forward to building on the Thomas Young Club's legacy next year and are excited for another year with a wide range of speakers, whether they are established scientists reflecting on their careers or student members discussing their passions and ideas for the future.

Gorak Rajesh & Daniil Soloviev, *Secretaries*

VOLLEYBALL CLUB

	2023–24	2024–25
<i>Captains</i>	<i>Sasha Carter</i> <i>Maria Eduarda Lopez Ticianelli</i>	<i>Sasha Carter</i>

Emmanuel College Volleyball Club is still a relatively new society, but this year we have firmly established ourselves as part of the college sporting community. We encouraged a significant number of new members to join, most of these having never tried volleyball before. With their enthusiasm and perseverance we ran both indoor and outdoor sessions throughout the year. Led by our captains, these included both technically focused drills and game play, meaning that over the course of one year we have seen considerable progression in each of our members. Two of the players who began volleyball with the Emma club made it into the Cambridge men's second team: it has been a pleasure to see them continually support and encourage others who are still developing their skills.

As volleyball continues to grow within Cambridge, there have been increasing opportunities for our team to participate on the wider university stage. The annual intercollegiate Cuppers was larger and more competitive than ever before. The club (as well as the Clinical Medicine Society, a team consisting of many Emmanuel members and with whom we often merge) put forward a full team at each stage of the competition. On account of injuries and the general pressures of exam season, we did not manage to progress far. It was, however, a very rewarding experience, and we think that our team, though perhaps a bit erratic at times, is one of the most welcoming and enjoyable to play with. We were especially proud of the people who had never experienced competitive volleyball before, but continued to bring their energy and positivity to each game. We hope that next year we can work on improving our fluency and resilience; with a new cohort of players and plenty of foresight we are very optimistic.



The Volleyball Club, from left to right. Front row: Dewei Tan, Sasha Carter, Maria Eduarda Lopez Ticianelli. Back row: James Steiner, Toby Clark, Thisha Sivakumar, Weiye Tan, Jiajiong Liu, Laura Boscott.

Lastly, the Easter term brought with it warm weather, which we made the most of with spontaneously organised outdoor volleyball sessions. These were primarily headed by Arka Saha and the Clinical Medicine Society, who would often set up a net at 2pm and finish only late in the evening. With music on the speaker and three nets alongside one another, we managed to form a strong web of connections among volleyball enthusiasts. Players from Emmanuel, the Clinical Society, Magdalene, ARU and Clare (to name a few) came together in the summer months for some great grass matches, allowing people of all skill levels to find a love for the sport.

It has been a great year for our team, and we are very excited to see where we can go next. With opportunities for both casual and competitive play, it would be brilliant to inspire newcomers to consider trying volleyball next year. Overall it has been nothing but joyful to see all our members improve and enjoy themselves.

Sasha Carter & Maria Eduarda Lopez Ticianelli, Captains

YARN SOCIETY

2023-24

Presidents

Hitha Mannemela, Athena Ganesh

Treasurer and social secretary

Orla Hill

Secretary

Mia Becker

Despite the slightly daunting task of launching a completely new society, we can happily say that the first year of the Emma Yarn Society has been a great success. At every turn of the initiative we were met with huge support from students and staff alike, for which we could not be more grateful. Starting with the hope of expanding our small circle of crocheters and knitters beyond our rooms, we have established a keen group of crochet and knit veterans and eager beginners. With the stresses of the fast-paced terms, Yarn Soc provided an opportunity to unwind and relax with friends and the occasional pint in Emma Bar. We were delighted to see the fast progress of regular attendees of our weekly sessions, noting in particular Matilde Francesconi's brand new pair of crochet socks and the growing length of Ffion Wright's colourful scarf. We were also glad to have a part in helping talented sportswomen Maddie Smith



The Emmanuel Yarn Society, 2023–24, left to right. Front row: Matilde Francesconi, Athena Ganesh, Hitha Mannemela, Mia Becker. Second row: Kirsti Jones, Rosie Caddy, Katya Perry, Aria Patel. Back row: Ffion Wright, Orla Hill, Maddie Smith.

and Abbie Hastie to discover their crochet abilities, with Maddie's new blanket a welcome addition to our house!

We would like to give a special thanks to Dr Corinna Russell for donating a beautiful selection of yarn from her own collection for use in and support of our society. We can happily say, her kind gifts have now been carefully woven into new garments and other admirable objects over the year.

Going forward we aim to maintain our online platform as a space where members can share their creations and progress over the holidays, while taking inspiration from others. We also have been keen to set up a collection for knit and crochet baby garments to donate to the Rosie hospital and other local neonatal units. As we grow over the next few years, we look forward to strengthening the society's connections with our local charities.

Next year we look forward to sharing the craft with even more people looking to embark on the journey towards a yarn-filled wardrobe. We have had so much laughter and delight throughout our first year and can only hope this continues to grow!

Hitha Mannemela & Athena Ganesh, Co-presidents





Obituaries

Obituaries



BRIAN ARTHUR THRUSH (1946, Fellow 1960–2023) died on 14 September 2023. We reproduce here two of the addresses given at his funeral held in the college chapel on 16 October 2023. Other eulogies were given by Dame Mary Archer, Brian's daughter Felicity Baker and his grandchildren Sienna, Senna, Sascha and Severin Baker. The complete set of addresses is available in the college archives.

Professor John Pyle, professor emeritus of physical chemistry, said:

When you talk about Brian to people who knew him, a number of common themes emerge: Brian the devoted family man; Brian the dedicated college man; Brian the exceptional scientist; Brian the wonderfully caring colleague and mentor; Brian the committee man, always supporting his subject and his university; Brian the lover of life, of art, wine and, with Rosemary, entertaining. In this brief tribute I will touch on a few of these themes.

Brian came up to Emmanuel College in 1946 to read natural sciences. He graduated as the top chemist in Part II in 1949 and started a PhD with Maurice Sugden, but with only one year's funding. However, after the year during which he published his first paper in *Nature*, Professor Norrish appointed Brian as assistant in research, tasked with building a second-generation flash photolysis apparatus. Norrish and Porter were interested in the role of free radicals, very reactive and hence very short-lived intermediates in hydrocarbon oxidation. They had earlier demonstrated the measurement of these radicals by flash photolysis. The challenge was to do time-resolved measurements, so as to understand the progress of the reaction. The reactions had to be initiated with a burst of high energy in as short a time as possible with the intermediates then monitored throughout the reaction, which might be over in less than one millisecond. Ex-military flash tubes could provide the energy to produce the radicals, but their short lifetimes made detection very challenging. In a triumph of electronic design Brian developed a new system with hugely improved time resolution (20 microseconds), opening up the path for measurement of a large

number of radical species. Norrish and Porter shared the Nobel prize with Manfred Eigen from Germany for their overall work on flash photolysis. Brian's contribution to the development of the technique was immense.

Brian subsequently made seminal contributions across broad areas in kinetics and spectroscopy. His later kinetic studies, measuring the rate constants of fast gas phase reactions, used the discharge flow technique and, of course, the use of lasers enabled new directions to be followed. His work was hugely respected, a colleague once telling me that 'Brian's estimates of rate constants are better than most people's measurements'.

His work in physical chemistry was recognised by election to fellowship of the Royal Society in 1976 and to a personal chair in Cambridge in 1979.

From the late 1960s onwards, the importance of radical species for the chemistry of the atmosphere became increasingly clear. Many of the key radicals for stratospheric chemistry had been seen using flash photolysis and some relevant reaction rates had been measured. When the threat to the ozone layer from CFCs was first raised in the 1970s, Brian was thus an obvious choice to contribute to a report on the topic by the US National Academy of Sciences, with Brian travelling monthly at weekends for meetings in Washington.

Given his position now as a leading academic, Brian was well placed to foster the development of atmospheric science as a major area of scientific endeavour. He was a member of the council of the Natural Environment Research Council when 'new blood' lectureships in atmospheric science were established. I was fortunate to be the recipient of the post in Cambridge, with Rod Jones following a few years later. I owe Brian and Rosemary a huge debt for the welcome they gave to me and my growing family when we arrived in Cambridge. Brian was immensely supportive as I was setting up my research group in the chemistry department. I was, of course, one of many who were helped by Brian. His former research students, many of whom went on to prominent careers in chemistry and atmospheric science, speak about what a caring, considerate mentor he was throughout their careers. In all, he supervised more than 40 research students, emphasising publications as important, lasting objectives. Nowadays, and with good reason, mentoring is highly organised, with courses and support widely available. Brian, of course, just 'got it'.

Brian had many interests outside his science, including art and wine. His wide knowledge of wine was helped by a sabbatical spent at the National Bureau of Standards in Washington in the late 1950s. It was on the boat out to the US that Brian first met Rosemary, his future wife. While he was in Washington the Russians launched Sputnik, which rather alarmed the American administration. Scientists in government establishments saw significant increases in their salaries such that Brian was on nearly four times his Cambridge salary. As he told me, he could afford to buy fine wine and he did! Again, he was generous with his knowledge to the subsequent benefit of both his college and his colleagues.

On one of my recent visits to Brian he told me with some relish a story which arose because of his position on the syndicate of the University Botanic Gardens. Lord Ramsey was a fellow syndic, and Brian invited him to college for dinner (a technique Brian had used to great effect with the chair of the Research Councils when the college fee for research students was under threat). A few weeks later Brian received a phone call from one of Lord Ramsey's staff: 'Lord Ramsey would like you to come for lunch on Saturday, and please bring your wife, if you have one.' Brian had, and they did, and they gloried in drinking 1945 first growth Chateau Lafitte. As Brian said, 'those were the days!'

It was a privilege to know Brian and Rosemary and to work with Brian. It's a special pleasure to record here my deep thanks, on behalf of so many, for the unstinting support he gave to our careers.

Dame Fiona Reynolds, former Master of Emmanuel, said:

Brian was a tremendous scholar, a dedicated college man and devoted to his family. His long life, which has ended in a peaceful death, surrounded by his daughter Fe and her children, was one of loyalty to institutions, Emmanuel and Cambridge, which though once common in academic life is becoming increasingly rare.

I met him as soon as I arrived as Master, when, as new Masters do, I arranged to talk to all the Fellows individually. He was one of a group of Life Fellows, retired from active research and departmental duties and more than happy to devote time to the college and to appear regularly for lunch and dinner, always ready for a chat.

Already in his mid 80s when I arrived, he and his wife Rosemary were often in college, and I went several times to tea at their home, Brook Cottage. Brian was full of stories: about his academic life and in particular his work with the Nobel prize-winner Ronald Norrish; about his cleverness in buying the modest but centrally located Brook Cottage at what was in 1961 an eyewatering price, but which proved its value time and time again; and also about the intrigues of college, where he served on many committees and was Acting Master during Derek Brewer's sabbatical.

Brian was born in Hampstead in 1928, the son of Albert Arthur Thrush and Dorothy Charlotte Thrush. Albert was a representative for Chapman & Hall, and a slightly published poet and writer, and probably did not imagine that his clever little boy was to become such an eminent scientist.

Brian attended Haberdashers' Aske's School from 1939 to 1946, performing with such distinction that he won a scholarship to Emmanuel College to read natural sciences. His headmaster said this was as much a cause for celebration as winning a major sports trophy. Cambridge appealed to him for its broad scientific curriculum, which meant he did not have to choose between physics and chemistry at 18, and indeed he could be said to have reconciled the two subjects as he went on to become one of the most celebrated atmospheric chemists of his age.

He arrived in Emmanuel to rations and basic, often chilly, accommodation. His description of the college in those days, captured in his memoirs, might horrify today's students, used to en suite rooms and choices of food! He did well, coming top of the tripos in Part II physical chemistry, so was offered postgraduate study with Morris Sugden, which led to his PhD in 1953 and an increasingly international network of academic contacts.

In 1957 he was offered a year's sabbatical in Washington at the US National Bureau of Standards, and he leapt at the chance. It proved fruitful in more ways than one, as on the ship out he met a young Canadian woman, Rosemary Terry, who was working as social secretary to the Canadian ambassador to the UN. They were married on 31 March 1958 in Ottawa. Brian loved his time in America, but he and Rosemary decided to return to England and Cambridge in the summer of 1958, buying Brook Cottage in a nail-biting auction in 1961, the best purchase he ever made.

Their two children, Basil and Felicity, were born in 1965 and 1967 and grew up there, both of them returning to live at Brook Cottage in later life.

I got to know Basil first because of my early morning walks along the river. Early on I began to get to know the occupants of the barges that lined Riverside (sadly no longer there after the council moved the barges on). I'd already started chatting to one friendly, colourful character with flowing blond locks before I realised it was Basil Thrush. One afternoon at tea, Brian said, 'You must meet my son!', and it turned out I already had. After that, an early morning chat with Basil became part of my routine.

Sadly, after a period of declining health, Rosemary died in 2016 and her funeral, here in Emmanuel chapel, was one of the most moving I ever attended. Basil's tribute to his mother was particularly poignant. Tragically, Basil himself was to die suddenly only three months later, soon after he had returned to live in Brook Cottage to be company for his father.

Then living in Devon, Felicity and her brood of beautiful, clever children, started appearing in college. Severin studied for a Master's here, and Brian was immensely proud to see the family connection with Emmanuel continuing. As Brian's health declined, Fe moved from Devon to Brook Cottage to look after him, and maintained a lively atmosphere with children coming and going, and a steady supply of kittens and visitors keeping Brian happy and occupied right up to his death.

But it was Brian's association with Emmanuel that was the lynchpin of his life. He became a Fellow in 1960, taking on teaching responsibilities for chemistry; and he was a Tutor from 1963 to 1969, only relinquishing this role as his departmental duties grew.

The 1960s was a lively time in Emmanuel, with the construction of a new Master's Lodge, Edward Welbourne having refused (or more accurately his wife having refused) to live in the large Victorian Lodge. At the same time, the new student accommodation named South Court rose. Both were designed by the architect Tom Hancock. These buildings followed the earlier controversy over the building of new

kitchens and Upper Hall in 1959, designed by Robert Hurd. This development led to protests outside Emma due to its 'uglification' of the street. Brian's perspective was that the architecture should be 'neither seen nor Hurd'!

Brian was also fond of recounting how, in the late 1960s, there was a row between the governing body and the college council over repairs to the Westmorland Building (where the council agreed to the installation of very inconvenient scaffolding without adequately consulting the Fellows) and the treatment of swans on the pond (where the council seemed to accept their loss, but the Fellows argued they had the 'right' to see swans on the pond). This row led the governing body to refuse to renew the council, ushering in a period of nearly 50 years when college business was conducted directly by the governing body, often in long and sometimes irritable meetings. It took Richard Wilson's formidable diplomatic skills to renew the council's operation in the early 2000s.

The exception to long GB meetings came under Brian's own chairmanship, when as vice-master he became Acting Master during Derek Brewer's absence on sabbatical. Brian told me how he enforced a rule that Fellows should only speak once during debates, miraculously shortening meetings.

Throughout Brian's long service as a Fellow, he served on many college committees: the library committee, the services committee, the High Table committee and the investment committee. But without question the wine committee was his greatest love. He'd begun enjoying fine wines during his year in Washington DC, and brought his enthusiasm to college. The wine committee began its work in 1973, and apart from a short break he was a member for more than two decades, when he handed the responsibility over to Jonathan Aldred. Negotiating with suppliers, choosing wines and managing the cellar was an interesting business, and Brian would talk about the deals he'd struck with immense pride.

Until very recently Brian would come in to lunch, assisted by his trusty walker, and enjoy catching up with the Fellows among whom he'd worked for so long. He kept up a regular order of his favourite wines, and never failed to have a story to tell about the college he loved so much. We won't forget him.



CHRISTOPHER JOHN BURGOYNE (Fellow 1989–2024) died on 2 January 2024. We reproduce here two addresses given at his funeral in the college chapel on 14 February 2024. Other eulogies were given by his children, Nick and Charlie Burgoyne and Emily Malethan. The complete set of addresses is available in the college archives.

Doug Chalmers, Master, said:

Chris, as a university lecturer, took up a college lectureship in engineering and became a Fellow in 1989. In the years that followed he sat on council several times and on numerous committees. He was also a very effective Tutor and Director of Studies. About the latter I think that it would be fair to say that Chris was the godfather of Emma engineers – students and Fellows – for decades. And that didn’t stop when he retired from the department. As a Life Fellow he was heavily involved in supervising and interviewing to the end of last year. Many have told me how he intuitively knew when and how to give the pep talks required to encourage and nudge. He is remembered by many of those he helped along their engineering journey with deep affection and gratitude.

His passion for buildings, and concrete, naturally led him to a range of committees and working groups, most notably the buildings & services committee. His knowledge and direct approach, coupled with a need to verify anything an architect said rather than trust blindly, ensured that the college was effective in numerous projects, such as the refurbishment of North Court (an early concrete building), repairs of and changes to the ancient boundary walls, New South Court, the Queen’s Building, the library and, most recently, the refurbishment of Furness Lodge and the building of Young’s Court.

Of these the one that has probably entered most firmly into college mythology was the Queen’s Building. Chris was a key member of the working party that oversaw the project. His role quickly evolved into one of counterbalancing Lord St John’s various enthusiasms. At various points he did not believe that the building would stand up as designed, and he challenged the architects. This culminated in a sample stone column being built in an engineering department lab and placed under the pressure envisaged in the design. The sample column exploded, well before the required pressure was reached. Rumour has it that the video was subsequently confiscated. The point was made and Chris was deeply engaged with the redesign, which involved precise stone cutting and installation so that the required pressure worked with the natural grain of the stone. So, the Queen’s Building still stands in part because of Chris’s detailed involvement.

These experiences fuelled a deeper interest in decision-making and governance, an interest to which I was exposed with clarity during my first conversations with

Chris. He was clear on the need for transparency in how decisions were made and provided much insight into the nuances of college governance, which I would not have understood if it hadn't been for him. His sense of challenge rings in my ear to this day, and I hope it never fades. I must have answered adequately, though, as the conversations moved to concrete and three-dimensional digital models of the college as well as quests to find bridges in remote parts of the Highlands.

Woven among these stories for me is the lasting example that Chris set. He was direct and would challenge, but strictly on the issue. He never attacked a person's dignity. For example, his personal relationship with St John was warm, close even, as it was with all of us; but that did not mean he would go easy if he thought the thinking lazy.

Chris was an oak. He didn't just know 'stuff'; he lived 'stuff' and did so in a magically engaged way. We all knew that we could trust him. At college events he was seldom alone. Vanessa was at his side throughout his Fellowship and together they brought much joy to Emma.

Professor Allan McRobie, professor of structural engineering, said:

An excellent teacher and brilliant engineer, Chris spanned academia and industry, highly respected in both. An international expert in prestressed concrete and novel materials, his deep understanding of structural behaviour made him a great lecturer.

After his degree at John's and Master's at Imperial, he designed bridges in Cheshire, then did a PhD and took up a lectureship at Imperial, until Chris Morley coaxed him back to Cambridge and Shôn Ffowcs-Williams to Emmanuel.

Chris was decidedly in the heavyweight category of structural engineering: big bridges, huge box-girder beams. He helped plan the strong floor for our new structures laboratory: concrete a metre thick and the many bolts carrying 100 tonnes each. He tested the stone for Emmanuel's Queen's Building, the same Ketton limestone as Wren used here, but pre-stressed with stainless steel rods. With one student, Chris proved that the current strength of the pre-stressed concrete roof over Coventry Cathedral cannot be determined, even with careful measurements. The paper was flatly rejected. The editor said the profession had no room for uncertain talk. As ever, Chris stuck to his guns. He sent it to another journal. It won the prize for best paper.

Chris gave a brilliant retirement speech. Yes, he enjoyed his years ... at Imperial, and yes, at Cambridge too. Cambridge, he reminded us, has fabulous students and our self-images are easily inflated by the quality of the students here. Chris admitted many such. He was interviewing only weeks ago. The internet is filled with tributes from former students. I quote: 'a superb teacher, a great influence, a store of knowledge, a passion for sharing it, infectious enthusiasm, a kind man'. Chris had a big character, and he spoke plainly. He was always at our seminars, with telling insights. We miss him now and we remember him fondly.

Professor Hugh Hunt (1984), professor of engineering dynamics and vibration, said:

Chris Burgoyne was a great friend, insightful about people, and passionate about engineering and developing young engineers. You never knew where conversations with Chris would go but the journey was always interesting.

Shortly after Chris came to Cambridge in 1989, he and I were asked to advise on the design of the new Drummer Street bus station. He was adamant that the structure should be cable-stayed, using state-of-the-art Kevlar cables: the cables on the bus shelter were designed by Chris and are still state-of-the-art.

Chris was passionate about the application of high-strength fibres in structures. In 2011 the success of the London Olympics was threatened because the steel cables in the Hammersmith flyover were badly corroded. Collapse was imminent. Chris's fix using aramid fibres was implemented just in time for the opening ceremony on 27 July 2012.

At the same time, he was working on the SPICE project (Stratospheric Particle Injection for Climate Engineering), to explore the feasibility of cooling the planet by tethering balloons (about 40 of them) at 20km so that titanium dioxide aerosols could be delivered into the stratosphere. This meant designing the longest-ever fibre-reinforced cable, carrying a high pressure slurry and tethering a large balloon with an aerodynamic cable. No-one had ever tried anything like this before. To Chris, ever adventurous and innovative, this was an irresistible challenge and he showed in principle it could be done. We hope we won't need it, but the concept is there if we do.

Much of Chris's work drew on his lucid understanding of pre-stressed structures. He wrote a fantastic paper in 1993 on the bicycle wheel as a pre-stressed structure. This paper led to his radical rethinking of how to construct enormous solar-updraft towers. The idea is that a bike wheel, like this one [Professor Hunt brought one with him. Ed.] but much bigger (maybe 200 metres in diameter), can be tensioned up and laid flat. Then it can be lifted up on a central tower, drawing with it a fabric skirt and pulling it tight. This light-weight construction technique could be used to construct towers 1km tall. This was all in the interests of climate repair and technology to reverse the impacts of climate change.

Chris, we'll miss working with you on all these important projects. What you have started has gathered enormous momentum. Your contributions will not be forgotten.



ROBERT MICHAEL HENDERSON (Fellow 1993–2023) died on 10 December 2023. We reproduce here two addresses given at his funeral held in the college chapel on 17 January 2024. Another eulogy was given by Kirstie Lumley, Robert's niece. The complete set of addresses is available in the college archives.

Doug Chalmers, Master, said:

Having established himself in the department of pharmacology, Robert joined Emmanuel back in 1993 as a Fellow and college lecturer in medicine. He dove into this role. The number of admissions interviews and supervisions that he conducted, until late last year, was frankly incredible. However, he also took on many other college roles: Fellows' Steward, Tutor, Financial Tutor, Admissions Tutor and Senior Tutor, a role he held from 2011.

It was in this role that I first met him. If I remember correctly, the occasion was in the Ante Room to the Gallery during the interview process for the Mastership. My first impression was that of a well-dressed man with a love for vibrant ties that utilised the college colours, smart jackets and well-made shoes. His aura was one of experience and his feel for the college shone through from the outset. But I also recall a man who kept his own counsel, spoke carefully and used as few words as possible. He was very hard to read at the time. All of these traits made sense once I realised that he was a Yorkshireman through and through.

As I learned the role of Master, I leant on Robert a lot, unsurprising as he was the Senior Tutor. But those early days of our relationship set the foundations for friendship. He never tried to tell me how to think. He never pressured or directed me. But if I asked, he would spend time explaining the background and personalities, leveraging his phenomenal memory of insights and observations, which he would bring to life through stories. He also had an incredibly well-timed wit, which would ensure that perspective was retained. There was a rather wonderful whimsical side to him. In some ways I sense he enjoyed the social sciences more than he let on.

The more I engaged, the more he would share. His patience with my constant questioning must have been testing, although he never let on. I sensed that all that he needed to know was that I, as he did, cared.

As time passed, we started to do other things together such as skiing in the Alps (he was very smooth on the slopes, with lovely turns), talking about red wine, cooking and, if the mood was right, rowing (he had rowed to a reasonable standard in the past). We became friends.

Time with Robert taught me the particularly personal approach – his words – that we as a college take to our students, staff and Fellows. Through his stories I gained a sense for the sort of actions of support that he had quietly made over the years to people who asked for help. And these actions often went far beyond what was mandated or expected. The messages of condolence that we have received since his death, which include such stories, evidence the observation that the number of people whom he advised, helped, or nudged back on track by giving them a chance and confidence, is legion.

As the days pass, we understand better what he did, without fanfare, to make this college what it is. He has left a huge hole. But he has also left us with a shining example of how to support our students: ‘what would Robert think’ about this or that, has already become one of my checks, and I can still hear his voice as I do so. We will do our best to carry on the particularly personal approach that he quietly championed.

Thank you, Robert, for your counsel, example and friendship.

Dr Ioanna Mela, assistant professor, department of pharmacology, said:

It is an honour to be asked to talk about Robert today, even though it feels incredibly unfair that it is at his funeral rather than at a glorious retirement dinner.

Robert was a central figure in the department of pharmacology, both in research and in teaching: he had been in the department for over 30 years. He was a charismatic and popular teacher, who always delivered lectures that were rich not only in content, but also in well-timed anecdotes. He led countless practical classes, both for our medicine and our natural sciences cohorts, and he was one of the few people who could teach laboratory skills to anyone, even to medics.

Robert was not only an excellent teacher, but also a brilliant scientist. He was a visionary in research. Perhaps the most significant demonstration of this came at the beginning of his career, when he very bravely pivoted from receptor electrophysiology to atomic force microscopy. Atomic force microscopy was only just established as a technique in the early 1990s, so this was not a risk-free move. However, he pulled it off with his usual understated brilliance, making him a pioneer of the technique in the UK and indeed worldwide. His scientific curiosity was never reduced, and in 2013 he acquired what was then the first fast-scanning atomic force microscope in the country, putting him yet again at the forefront of his field.

His research excellence, together with his unique personality, allowed him to build a wide network of collaborators, spanning from Durham all the way to Kyoto University, a place of which he was always very fond.

Within all this, Robert was also a mentor to tens of PhD students and postdoctoral researchers, and it is in this capacity that I first met him. As a supervisor, he was never afraid to give opportunities to students who were coming from diverse backgrounds,

yet another testament to his visionary approach to interdisciplinary research. He knew how to approach each individual and how to bring out each of their strengths.

What always struck me about Robert is how he somehow was always right. From the time I was a fresh PhD student, 14 years ago, to recent work alongside him as a colleague, Robert would always have the right answer, or the right guidance to any question, from designing experiments to choosing the Kyoto shrine with the best garden for an evening stroll and the place for discount sushi at the end of the day. He would never say much, but what he did say, whether it was direct advice or anecdote, was always to the point.

There are countless things to say about Robert. But the last thing I will say is how deeply caring Robert was and how he was always there for his students, his colleagues and his mentees. He would never make it obvious and he would never make a fuss about the support he provided to people, but whenever you needed a safety net, you would realise that he had already put it in place. He was never overbearing and never tried to impose his opinion: he was just always there.

Since he has been gone, I keep realising how many times a day I'd think, 'Oh, I'll ask Robert', when a question comes up, either in the department or in the college. I'm sure that I'm not alone in this, and to me it signifies how acutely Robert will be missed in college, in the department and in the wider university.



JACK ARNOLD LANG (1966, Bye-Fellow 2003–24) died on 23 April 2024. A celebration of his life was held in the Queen's Building lecture theatre on Friday, 12 July 2024. We reproduce here three addresses given that day. Other eulogies were given by his niece Hannah Lang, Jack Chalmers, Steve Hawkins and Robert Sansom. The complete set of addresses is available in the college archives.

Stew McTavish spoke about Jack and the Computer Lab:

Jack represented the best of Cambridge. He was a lifelong advocate of the university's mission to 'contribute to society through the pursuit of education, learning and research at the highest international levels of excellence' or, in Jack's words, 'to make that education and research useful to somebody'.

Jack's connection with the Computer Lab starts at least in 1969, when he took the diploma in computer science and went on to become a demonstrator in 1973. The public narrative of his life says that he left the university in 1979 to found TopExpress. I say 'public narrative' as I am not sure he did ever actually leave.

When asked why he left he is quoted to have said, 'To get a promotion in those days you had to wait for people to die. Making money was not the initial motivation, it was solving problems and industry had better toys to play with. A gang of us used to meet in the tearoom at the Computer Lab, and when we left the Lab we continued to meet in the pub or at dinners'.

At one of those pub meetings at the Eagle in July 1979, the first of the Cambridge Computer Group, which Jack helped start with Matthew Bullock, the term 'Cambridge phenomenon' is said to have been coined. Jack used this phrase when speaking to his cousin Peta Levi, whose 18 November 1980 *Financial Times* article, 'Flourishing in the Cambridge parkland' began, 'A phenomenon of considerable significance to British Industry is taking place in Cambridge'.

Jack would go on to start the Computer Lab Supporters Club in 1980 and to become an associate lecturer, creating the business studies and e-commerce courses. During these courses Jack would share everything he'd learned in his life about creating companies. He often said, 'I learned most about setting up companies when I was technical director of the Footlights: it was all about tight budgets, deadlines and people'. Every lecture series needs a textbook which, in true Jack style, he wrote himself. He would never forgive me if I didn't mention that the *High-Tech Entrepreneur's Handbook* is still available for purchase. A friend Mark Littlewood remembered Jack as 'a remarkably patient teacher, with a very dry wit who only drank wine when it was of sufficient quality'.

At the Lab Jack would often talk about how we had to stop computers being a black box for which you had to learn the correct incantations to make work. He believed that a crucial part of the Lab's work was to help people understand the magic of computing, the hows and whys that make it work, so they could not only use the magic but also be able to create better spells themselves.

Through his teaching and friendship Jack gave me, and hundreds if not thousands of others, one of the greatest gifts that Cambridge has to offer. In Cambridge you inevitably end up bumping into people like Jack, who are world leaders in their field and have shaped the world around us, in ways big and small, and discover that they are human too, no different or better than you. From such encounters they show it possible for us to be great and, annoyingly, take away any excuse we have for not being so.

I'll finish, as Jack often finished his courses: 'Now, it's over to you. I've had my fun, and I made my money. The future is yours. What are you going to do with it?'

Philip Colligan spoke about Jack and Raspberry Pi:

In 2008, Jack was one of six co-founders of the Raspberry Pi Foundation. The problem that united them was the drop in applications to study computer science at the

University of Cambridge. That was a symptom of the much larger challenge that too many young people were growing up without access to opportunities to learn computer science. This was a problem that Jack had been focused on for several years already. He wasn't alone in seeing it. What set Jack apart was his ability to bring together a team to do something about it. Their idea was to create a low-cost computer that would inspire a few tens of thousands of young people to try their hand at programming.

One of my favourite pictures from the Raspberry Pi archives is a pallet sitting on a driveway. That was the first batch of several thousand Raspberry Pi computers, which had been manufactured in China. Absent an office, Jack simply put his home Mitchell Wood House as the delivery address. No plan for what would happen next.

Fast forward to today, and the foundation is one of the world's leading organisations focused on computing education. We have trained tens of thousands of teachers and inspired millions of young people worldwide to learn computer science and programming. There are over 60 million Raspberry Pi computers in the world, used in education and industry. Last month, we listed our commercial subsidiary on the London Stock Exchange, creating an endowment that will support the foundation's work for decades to come.

And what about that original problem of the drop in applications to study computer science at Cambridge? Computer science is now the most competitive undergraduate course in Cambridge and many of the young people applying describe how they got started on a Raspberry Pi. None of that would have been possible without Jack.

Jack was our first chair, company secretary, sometime chief operating officer, and undoubtedly one of our hardest-working trustees. He gave hundreds of talks to promote our mission. He endlessly networked on our behalf. When we produced the first draft of our curriculum, Jack replied the next day with 'a few additions'. He had in fact rewritten the whole thing. It is worth remembering that he did all of this and much more for free.

I had the privilege of meeting Jack a little over nine years ago in what I am certain will be the most challenging job interview of my life. Shortly after being appointed, Jack invited me for dinner at Emmanuel. As we sat down, he turned to me and said (with what I learned was his characteristic frankness): 'I didn't think we should appoint you, but I was overruled. Now that you've got the job I will do everything I can to support you.' To his credit he did. What struck me over that dinner was the sheer scale of his ambitions for Raspberry Pi.

He absolutely expected us to take on the world. I choose the word 'expect' carefully. He didn't want or aspire or hope that we would transform the lives of millions of young people: he simply expected it. And I think that expectation gave us the confidence to achieve things we never would have imagined were possible.

Jack deserves to go down in history as one of the most significant figures in computing education in the UK. It's an incredible legacy. I am sorry that he won't be with us on this next stage of the journey, but we'll do everything we can to continue to live up to his expectations.

Richard Wilson spoke about Jack at Emmanuel:

Jack Lang was a lovely man: outwardly shy, but with a hugely inventive, curious, energetic mind and great kindness of spirit. He was also a strong supporter of Emmanuel College. When I became Master, he was one of the first members I met. I soon discovered that he was good company and that he had lots of interesting insights into the college and Cambridge. I learned a lot from him.

I remember him with affection. I remember his liking for food and drink, especially on college occasions. I remember Caro and I visiting him for lunch at his house, which seemed to be in a clearing in a forest like Snow White's cottage. I remember the apple-picking. And so on.

Let me just tell three brief anecdotes which remind me of him.

You have heard about Jack's interest in fireworks. We invited him to give a talk about fireworks for the Emmanuel Society. He agreed readily. I thought it would be an intellectual explanation of how fireworks worked. What I had not grasped was that it would be a display, in the Old Library. Jack drew a line across the room that only he could cross, and proceeded to explain and explode great numbers of fireworks in his half of the room. The climax was the most enormous thunderous display of more fireworks than you would think possible. I could swear that it included rockets. It went on for a long time, and I found myself wondering whether I would be the Master who presided over the demolition of this old building. His audience was in raptures, the building survived and the only challenge was cleaning the place up afterwards, a task that David Lowen and I cheerfully undertook.

The second anecdote was an act of personal kindness. We visited Jack for lunch when I was busy building a garden at our new house in Willis Road. I wanted to brick over a path to avoid having a lawn to mow. Jack piped up immediately that he had lots of bricks he wanted to get rid of. We loaded up the car and the problem was solved. I asked how I could repay him. We agreed that we would name the path Lang Way. Lang Way is still there.

The third anecdote involves both personal kindness and fireworks. Our daughter, Amy, was married from the Master's Lodge in 2011. She and David were married in chapel with the wedding feast in Hall and dancing in the Old Library afterwards, with their departure around 10pm. The morning of the wedding was busy. I noticed Jack scurrying around the Master's Lodge car park with suitcases but did not think much of it. When the time came for the newly married couple to leave, we all stood in the

car park and they emerged from the Master's Lodge. As they came down the steps holding hands, the most beautiful firework display went off all around them. They had the best sendoff any couple could possibly have. It was a present of great imagination by Jack, which they will never forget.

There is so much more I could tell. I remember Jack introducing me to Cambridge Angels. I remember him taking me to the Judge Business School, a connection which I still enjoy. But my final picture is someone who was generous, hugely intelligent, wise, a good companion and a great Emmanuel man. We miss him.



DEEPAK JADON (Bye-Fellow 2020–23) died on 17 November 2023. Professor Kenneth Poole has written the following:

Dr Deepak Jadon was above all, a family man. He was a loving, kind husband to Rashmi and a wonderful father to his two children, Anushka and Arun. He loved spending time with them all and they were always what he spoke about in and out of work. After Deepak died, we heard eulogies and read accounts of the care and kindness he showed each of us, whether we encountered him as family, friend

or colleague in the domains of his home, work and college life. At Addenbrooke's hospital in Cambridge, in clinic 2, Deepak was a leading medical doctor, a consultant rheumatologist, and in clinical research was the director of the rheumatology research unit (RRU) from 2016 until his death in November 2023. Deepak had superb knowledge and a gift for understanding and relieving the suffering of patients with arthritis (particularly psoriatic arthritis, PsA) and spinal disease (spondyloarthritis, SpA) to the extent that he led or co-led the NHS clinical services.

Having grown up in Cardiff, he completed his medical degree at Cardiff University in 2003. His medical student school friends talked of his humility, kindness and intelligence, but admitted they were also attracted by Deepak's reliability as the only person to have paid attention properly to lectures and on whom they could rely to share high quality notes. He carried on learning and teaching to a high level throughout his career. He was a keen footballer at university but suffered arthritis after a knee injury caused while playing, leading him later to take up tennis and golf, which he loved.

Deepak always spoke of the excellence of his specialist training in rheumatology and general medicine in Bath and Bristol (2008–15). Those seven years of intensive, collegiate teamwork for the benefit of patients with arthritis in Avon set the high standard for what he hoped could be achieved in hospital rheumatology as a consultant. Deepak completed a higher degree (PhD) at the Royal National Hospital

for Rheumatic Diseases in Bath, writing his thesis on 'Biomarkers of psoriatic arthritis phenotypes' (2015). He continually led and excelled in research identifying the causes and treatments of psoriatic arthritis (PsA), ankylosing spondylitis (AS), spondyloarthritis (SpA) as well as arthritis related to inflamed gut (Crohn's disease and ulcerative colitis).

At the 'coal face' of clinical patients in clinic 2, he pioneered the use of musculoskeletal ultrasound to improve diagnostics and disease assessment at Addenbrooke's. With his research fellows he led a programme where they biopsied the inflamed, synovial tissue in joints to identify the molecular factors that targeted the aberrant immune response. The reviews of Deepak's personalised, gentle and kind approach to caring for those suffering with arthritis runs to 40 pages on the website, 'iWantGreatCare', as thankful patients over two decades sought a way to let him know what he meant to them.

Deepak once described the principles that were ingrained into him during his formative years in the Bath and Bristol hospitals and from which he would never deviate. They say more than I can about the way Deepak approached his caring responsibilities; 'I will spend time listening carefully to my patients so that I can deeply understand their symptoms, needs and the impacts on their life. I will thoroughly examine my patients, thinking beyond just their arthritis. I will apply established and novel imaging and laboratory tests to better clarify my patients' disease. I will safely use established and cutting-edge treatments for my patients, using knowledge from my clinical research. I will counsel and educate my patients to empower them to best manage their disease. I will have open, frank and jargon-free conversations with my patients to ensure that I can best address the issues important to them.' After Deepak's Mum had a hemiplegic stroke, a lot of his time was spent physically caring for her at home, and I have no doubt he cared for her as he cared so well for so many others.

As director of the rheumatology research unit at Addenbrooke's, Deepak was responsible for leading a whole team of clinical fellows, nurses and admin staff who respected and admired his leadership. In view of his stellar international reputation, many clinical research fellows travelled to England to take up a one-year attachment to learn with 'Dr Deepak' at the RRU and to help run the many clinical trials involving novel medications for rheumatological disorders. His clinical academic reputation was founded upon excellent lectures on these diseases at national and international conferences, published academic research papers, medical textbook chapters and contributions to several international guidelines on the management of arthritis.

The college will well know the contributions that Deepak made as Bye-Fellow and one of the Directors of Studies for clinical medicine. As the college announced, 'he was a valued member of the Emmanuel community, a hugely talented medic, and a dedicated and supportive teacher and mentor to his students'.

In teaching, Deepak was well-known locally in the clinical school for his novel approaches and e-learning skills. For 15 years, he had an advisory role with the

website Doctors.net.uk where I and many thousands of others got our CPD updates as regular listeners to his 'Rheumatology Journal Watch' podcast on the site. As the website team wrote, 'He has provided invaluable insights into the latest rheumatology research and therapeutic developments, written numerous educational articles, interviewed academic authors, spoken at meetings, and created independent conferences alongside colleagues in rheumatology, dermatology, radiology and gastroenterology.' Those of us lucky enough to have been to his in-person rheumatology educational events will attest to Deepak's ability to design conferences that merged cutting-edge science with fascinating speakers (on one occasion on the rheumatic diseases evident in bone specimens gathered by anthropologists), culminating in much camaraderie.

While Deepak set very high standards in clinical medical teaching and research, he was gentle, thoughtful, funny and humble out of the workplace. A round of golf usually exposes the best and worst in your friends, but a round with Deepak showed that he really had no 'worst'. I think he just hoped to play a bit better, not lose so many balls in the water, and above all to enjoy a pint of Cobra with friends after all was done. Deepak was a great listener. He thought before he spoke, and he never seemed to drift far in all those conversations from the planned or completed holidays or travels with Rush, Anushka and Arun, the latest exploits of his kids, games, parenting websites, food or what he and Rush had taken up for health, art or leisure. His kindly influence on those he cared for will endure.

Professor Stephen Barclay adds:

Deepak Jadon joined Emmanuel as Bye-Fellow and co-Director of Clinical Studies in medicine in October 2020 following Prof Paul Wilkinson's promotion to dean of the clinical school. He was very committed to the role of Director of Studies, meeting every term individually with the clinical medical students in years 4 to 6, with additional meetings as and when needed. He was unfailingly supportive and kind towards the students, going the extra mile when they encountered difficulties and joining in the celebrations of their successes. We held a time of quiet in the college chapel shortly after his untimely death, lighting candles in his memory, with contributions from the Master, Dean, students and some staff. The chapel was full: the whole medical community of Emma was there, including students in the first three years who had hardly had the opportunity to meet him. He was a quiet gracious presence in Emma and is greatly missed.



HUGH WILLIAM DAWES (Chaplain 1982–87) died on 7 February 2024. Jill Sandham, Hugh's wife, has sent us the following obituary:

Hugh Dawes died on 7 February 2024, aged 75, of pneumonia and dementia with Lewy bodies. Born in London, he grew up in Brighton, attending Brighton & Hove Grammar School. He studied history at University College, Oxford as an exhibitioner. His interest in social history and the lives of ordinary people informed his social conscience, and he saw theology through the lens of history. He was a lifelong member of the Labour party and in 2002 he stood as a councillor in Dulwich ward.

After ordination to the priesthood and a curacy, he served as chaplain of Gonville & Caius College from 1977, then in 1982 moved as chaplain to Emmanuel College. This changed his life: not only did he meet the poet and professor, Geoffrey Hill, but he also served under the deanship of Don Cupitt while he was filming the *Sea of Faith* television series. Don became a major influence and a lifetime friend. Hugh's ministry at Emmanuel is remembered and valued by many students, and he enjoyed the freedom he was given to develop chapel liturgy.

Hugh's increasing embrace of radical faith drew him to enabling a new generation of free-thinking believers. In 1987 he was appointed to St James's, Cambridge, and director of the Focus Christian Institute. He believed strongly in opportunities for a wider theological education among the laity and abhorred the tendency of clergy to talk down to their congregations.

In 1992 Hugh published *Freeing the Faith: A Credible Christianity for Today*, an essay in liberal understanding, advocating change to set faith free from tyrannical tradition and make it relevant to today's world. He was savagely attacked in the press by traditionalists, who called on him publicly to resign his orders. *The Independent* carried the story of the 'atheist priest'.

Hugh braved the storm and proclaimed himself a catholic modernist priest, with no intention of resigning. He was a prophetic voice, often crying in the wilderness. The book was a suicide note for career preferment in the Church of England.

In 2000 Hugh was appointed vicar at St Faith's, North Dulwich. Gifted in making eucharistic worship contextual, inspiring and integral to the world outside church, he enabled people to express doubts and ask questions, never giving easy answers. Hugh and Jill, a social worker and member of his congregation, were married in 2004; their marriage was a blessing for them both.

Hugh was an excellent orator, called upon to give lectures in Britain, France and the United States, where he was headhunted by an American progressive Christian organisation. In 2003 Hugh set up Progressive Christianity Network Britain, which quickly responded to the quest for honest theological talk between laity and clergy

without being judged as heretical. In addition to publishing articles in a number of journals, he edited the organisation's magazine, *Progressive Voices*.

Developing early signs of Parkinsonism, Hugh continued liturgical ministry in Guildford diocese from 2009 to 2018. He participated in eucharistic worship until his death, when he could find few words in any other context.

Hugh was a radical priest and a gentle pastor. He is survived by Jill, her three children, their four grandchildren, his brother and the many whose lives he touched in his quietly brave, 'faithful to truth' life.



THOMAS CHARLES BUCKLAND MCLEISH (1981, Fellow 1988–89) died on 27 February 2023, as reported in last year's *Magazine*. His wife Julie has sent the following obituary, drawing on the contribution of Professor Mike Cates to the service to celebrate Tom's life in April 2023 for the summary of Tom's impact in the realm of scientific research:

Tom was one of the world's true polymaths and will surely be fondly remembered for his irrepressible enthusiasm and insatiable curiosity about the world, his engaging and entertaining manner, and his warmth, kindness and generosity to all. Tom loved people. He valued everyone equally and pushed for true equality for women; he loved to support and give opportunities to other people, especially, but not exclusively, the young. Tom was a great team-player and he knew that he achieved so much because he did not work alone. As a servant-hearted leader, he strove persistently to create positive, encouraging, supportive, inclusive communities and teams in the places where he worked, and he delighted in being part of these other 'families' too. He made every encounter count and he had a way of making people feel special, capable and loved. However, Tom also had a humility to acknowledge that he didn't always get everything right and it was this characteristic that enabled his relationships with learning, including science, with other people and with God to continue to grow and flourish all through his life.

Born in Kent to a loving and supportive family, Tom attended Sevenoaks School and there is no doubt that the remarkable teachers there set Tom on the path to such an extraordinarily rich and fruitful life. It was from Sevenoaks that he was launched onto Emmanuel College to study mathematics, switching in his second year to theoretical physics (always his plan). In 1984, Tom and Julie were married. Tom started on his PhD in polymer physics in the theory of condensed matter group at the Cavendish Laboratory with Professor Sam Edwards at the helm, a mentor who was a lifelong inspiration to Tom, as much in the way he went about things as in what he achieved.

Understanding how polymers disentangle is a fascinating scientific problem, and it's an important one. For example, to replace the current generation of plastics with biodegradable alternatives, we have to understand how switching from one type of polymer to another affects the flow of a molten plastic. Very many of the materials we are made from or we eat or we use in technology and medicine involve polymers and their flow.

Tom's research into polymers was very broad and aided by outstanding colleagues and collaborators. However, he contributed more than anyone else to understanding the physics of disentanglement, at least for the real-world polymers that matter most. Crucially, most of these polymers contain branch points. Rather than normal spaghetti, they are alphabettispaghetti with letters like Y (one branch where three arms meet), X (four arms meet at a point), capital H (two branches of three arms) and so forth. Beyond this alphabet, we enter a forest of ever more branched types of molecular tree. Unlike the trees in a real forest, the branches of these polymeric trees are floppy and constantly moving around, like fresh-cooked spaghetti poured quickly from a bowl.

Sometimes, Tom's explanations took existing ideas and made them better. Not just slightly better; much better. For instance, in his PhD work on polymers with a single branch point, Tom improved estimates of the time it takes to disentangle by roughly 12 orders of magnitude. That's the difference between three million years (previous estimate) and ten seconds (Tom's estimate). In effect, Tom was the first to explain why we ever see such polymers flowing at all.

On other occasions, Tom introduced entirely new ways of thinking. For example, he identified two mathematical functions describing the branching patterns of arbitrarily complicated trees. In terms of these functions, Tom explained the sequence of disentanglements needed for polymers with those branching patterns to flow. From this he could predict the response of the material to different types of force and invent simpler models that could reliably predict the same response. All of these advances were major breakthroughs, both in basic science and also for the plastics industry. Tom sometimes took delight in inventing quixotic names for his simple models, such as the pom-pom model, or, in full, the ron-tom pom-pom polymer model.

Tom also took delight in showing how mathematical ideas can unite different scientific disciplines. He held a lifelong interest in astronomy, and at one conference got talking to another physicist about how magnetic flux lines get entangled near the sun. Tom was rightly proud of the astrophysics research paper that he co-authored following that chance encounter.

Tom was never afraid to step beyond the comfort zone of his existing knowledge. In the past two decades, that approach bore fruit in a series of innovative contributions to biological physics. Some of these built on his ideas about polymer motion, including beautiful work on the stretching of silk fibres and on how small signalling molecules

cooperatively bind to flexible protein polymers. Other contributions built on his much wider knowledge of theoretical physics, using it to explore how physical principles contain nature's capacity for endless variation, at levels ranging from the genome, through cells, and upwards to organisms and populations.

Meanwhile, Tom's scientific laurels, though he never rested on them, were accumulating. He won the highest prizes from the British, European and US societies of rheology (the gold medal, the Weissenberg award, and the Bingham medal). Rheology is the science of flow. A source of amusement for Tom was that rheology is often misheard, and indeed misprinted, as theology, accidentally unifying two fields of study that he loved so much.

In 2011 Tom was elected as a Fellow of the Royal Society, in recognition of his sustained individual excellence in scientific research. There, again not resting on his laurels, he became a council member and trustee, and also played a key national role in curriculum development and science education, as chair of the society's education committee.

In this role, he co-led a new programme, titled 'Re-imaging Science'. It had at its centre a bold mission that was no less than to reclaim science with all its glorious rigour of experiment and observation of the physical world, and return it to a state of childlike wonder that allowed anyone to bring to it the sense of play and joy in exploration. It was a big mission, so it hasn't yet been completed, but it was characteristic of Tom that he could gently disrupt the Royal Society enough to get it going. Besides this, Tom was a highly effective pro-vice-chancellor at Durham for six years; he founded and helped to run a centre for doctoral training in soft materials across three universities; and he led a series of major industrial research collaborations.

Within and beyond all these roles, Tom profoundly influenced a large number of younger scientists. As a mentor he was compassionate, understanding of others' difficulties, and unmatched in his ability to excite people to achieve their own best work. That enthusiasm, and Tom's generosity with his ideas, was an inspiration, not just to his immediate colleagues, but also to the wider scientific community.

In all these ways, Tom had a positive impact and influence on the work, and on the lives, of dozens, or more likely hundreds, of individual scientists. He will be missed by the academic community, not only for his huge contributions to scientific knowledge, but also for his friendship, good humour, wisdom, insight, optimism, energy and kindness.

Tom believed, passionately, that science is a God-given gift and spent a lifetime developing a theology of science. Over and over he explained the harmonious relationship between science and faith and refuted any myths to the contrary. Tom also worked tirelessly to make science engaging and accessible for all. This included creating, with others, the opportunity for bishops to grow in wonder and scientific understanding as part of the ECLAS project, Equipping Christian Leadership in an Age of Science. Here, church leaders are able to connect with science and scientists, to

develop well-informed, theologically grounded and practical knowledge about the world and the place of humans within it.

However, Tom was also passionate about interdisciplinarity. He worked unceasingly to bring people together from different disciplines and to break down disciplinary barriers. He encouraged academics to work with people outside universities. He was a bridge-builder.

In 2018, now with four grown-up children, Tom joined York University as chair in natural philosophy, a title that he chose and that fitted the unique academic that he was. During his four years at York, he was instrumental in helping the university to raise around £7m in grants for a wide range of collaborations. One of his many new collaborations was with humanities scholars to explore the intellectual background to the eighth-century cleric and scholar Alcuin's advice to Emperor Charlemagne, on the retrograde motion of the planet Mars. In the same year (2018), the archbishop of Canterbury presented Tom with the Lanfranc Award for Education and Scholarship. Tom also greatly enjoyed, over recent years, being a trustee of the John Templeton Foundation, a philanthropic organisation whose values were very closely aligned to Tom's.

Tom had a zest for life in all its fullness. He loved hill walking and scuba diving, singing and playing the French horn, and travelling the world. It would not take long talking to Tom to realise how passionate he was for the Biblical book of Job and for the musical composer Schumann, Robert and, latterly, Clara as well. He was an enthusiastic and effective communicator and networker through all media available to him. He relished public speaking and took up every opportunity that he could to do so.

Tom cherished his family. He revelled in being a host, whether a Sunday lunch for our church family or a formal dinner for academic colleagues. Tom treasured his French horn and in 2000 he achieved a dream, playing the Brahms horn trio with colleagues in King's College Chapel, Cambridge, as part of the millennial meeting of the Society of Rheology.

Tom adored his Cambridge college, Emmanuel, and kept strong links with the college throughout his life. Tom delighted in reading and writing and developing ideas and these continued to give him great joy during his illness.

And last, but by no means least, Tom was a lay reader in the church and took any opportunity to share the faith and hope he had in Jesus, right until the end. Tom loved people and was very widely and deeply loved.



ROY PRYCE (1948, Research Fellow 1953–55) died on 4 June 2023. His daughter, Sue Milnes, has sent in the following obituary:

A wartime broadcast by Churchill on the need to build a united Europe sowed the seed of a commitment to this cause, which occupied most of Roy Pryce's professional life. He was one of the first from this country to join the staff of the European Community, long before the UK became a member. He had two periods covering some 16 years working for it and was also a pioneer of the academic study of European integration in Britain.

Roy was born in Burton upon Trent on 4 October 1928, the only child of a family of modest means. His mother provided the impetus that gained him a place in the local grammar school whose headmaster then was W D Frazer, an alumnus of Emmanuel. In 1945 Roy sat the entrance examination for the college and was awarded a major scholarship in history.

National Service, spent partly in the Royal Army Education Corps, intervened before he came into residence. Edward Welbourne, then Senior Tutor, continued his education. As others have testified, his tutorials were an extraordinary and exhilarating experience. After Roy had obtained a First in both parts of the tripos, Welbourne encouraged him to embark on research into modern Italian history; 'Only the Catholics study Italy. There should be at least one Protestant.' But Welbourne took good care to protect his pupil from 'the papists' before he set off for Rome in September 1952. He arranged for Roy to stay with a member of the college, the Revd Giacomo Lardi, a Methodist minister of Swiss nationality sent by the English Methodists to keep an eye on their Italian brethren.

Two months after arriving in Rome, Roy met Sheila Griffiths, the younger daughter of the Right Honourable James Griffiths MP, who was to become his wife in a very happy marriage of shared interests and mutual support, lasting for the rest of his life. Back in the UK, they were married in 1954, by which time Roy had become a Research Fellow of the college and had completed his PhD thesis. He had also had several spells as a holiday sub-editor on the foreign desk of *The Manchester Guardian*, had begun contributing to *The Economist* and become editor of *The Cambridge Review*.

The following year, given uncertain job prospects in Cambridge, Roy took up a Research Fellowship at St Antony's College, then a new foundation. It was quite different from Emma. Roy sometimes felt that he had been recruited as cover for a nest of ex- and current spies. But it was an exciting atmosphere that stimulated an interest in contemporary history and politics. In 1956 Roy embarked on a study of the local elections held that year in Italy, which was published for *St Antony's Papers* by Chatto & Windus in 1957.

Returning to Oxford, he took a leading part in the organisation of a protest by university staff against the Suez adventure as the secretary of a campaign chaired by Alan Bullock, then Master of St Catherine's. Several Heads of House climbed up the stairs to the college apartment in which Sheila and Roy were living, waving completed petition forms. The rising numbers were passed on to the media, adding to the pressure that led to the abandonment of the venture and Eden's resignation.

The following spring there came an unexpected opportunity to work for the High Authority of the European Coal & Steel Community (ECSC), as press and information officer at its London delegation. It was an offer that Roy accepted with alacrity and enthusiasm. Both his Italian friends and a visit to the Council of Europe in Strasbourg had convinced him that the intergovernmental cooperation then favoured by the British establishment was not enough.

A few days before the signing of the Rome treaties in March 1957, he arrived with Sheila in Luxembourg for a two-month stay to learn the job. On his return to London his task was to spread more information about the European Community (EC), and discreetly encourage those who also thought Britain should join it. In addition to building up contacts with them, political parties and the media, Roy also wrote a seminal book on *The Political Future of the European Community* and organised seminars for academics, out of which grew the University Association for Contemporary European Studies (UACES), of which he later became the first honorary president.

When the negotiations on entry into the EC were brought to an abrupt halt in January 1963 by de Gaulle, Roy thought (correctly) that it would be some years before another opportunity arose to join and that in the meantime what was needed was a sustained effort to educate more people, and especially young people, about the EC. He approached Asa Briggs, who had moved from Oxford to the new Sussex University, with the idea of a Centre for Contemporary European Studies and was hired (at half the salary he had been receiving with the ECSC) to set it up. He began work at Sussex in the summer of 1965, after a spell as a Rockefeller research fellow in Brussels. A grant from the Ford Foundation provided funds for an initial programme, and over the following eight years the Centre became a leader in the development of teaching and research about the EC. Roy obtained grants to bring foreign academics and scholars, including Poles and Hungarians, to the Centre. During this period he also taught as a visiting professor at the College of Europe in Bruges.

Early in 1973, Britain having at last become a member of the European Community, he was invited to return to work for it, this time as a director of the Commission's information service in Brussels. The family, now including three young girls, moved there later that year. During the following eight years Roy had a variety of responsibilities, including building up the Commission's television capability,

reorganising its publications, overseeing its visitor programme, and developing its work in universities and schools. He was also responsible, with a colleague from the European Parliament, for organising a Community-wide multimedia information programme for the first direct elections to that body held in 1979.

In the summer of 1981 Roy was both victim and beneficiary of an extensive cull of senior Commission officials ordered by an incoming president. He lost his job but gained financial independence. He spent the following academic year in Florence as a visiting professor at the European University Institute and then returned with Sheila to East Sussex. For the next eight years he continued to be active in European affairs as director of the Federal Trust, a London-based think-tank, as a visiting professor at a number of a continental institutions, and as an author and editor.

Towards the end of this period he became involved in local issues in Sussex, which led to a change of direction. A successful battle to prevent development on historic parkland near his home led to a book on Heathfield Park and a number of other works on local history. Roy was also active in the local amenity society, of which he became chairman. He took part in the Remain campaign during the lead up to the referendum on the UK's continuing membership of the EU in 2016 and was dismayed by the outcome, believing this to be a retrograde step for the country.

But there was also time during these years, with Sheila, for their favourite pastimes of gardening, and visiting gardens, galleries and exhibitions at home and abroad.

Roy died on 4 June 2023. Sheila survives him, as do their three married daughters and four grandchildren. Roy will be remembered with love and fondness by all his family.

JOHN FRANKLIN OGILVIE (1961, Research Fellow 1963–66) died on 21 November 2023. We have received the following biography from Professor Guy Lamoureux:

John Franklin Ogilvie was a Canadian chemist, known for his work in physical chemistry and mathematics. He worked his entire life to explain complicated chemical concepts with mathematics, using Maple software to supplement chemistry courses.

He was born in Ottawa, Ontario, in January 1938 as the first child of Benjamin Franklin and Cecily Irene (née Dickens) Ogilvie. The Ogilvies migrated in 1754 from the Scottish Highlands to the region of South Carolina and Georgia in the 13 colonies. During the revolution they supported the Crown and were given land about 1800 in the Musquodoboit valley of Nova Scotia, from which the descendants migrated across much of North America at the beginning of the twentieth century. Ogilvie received his forenames from his father and from his maternal grandfather, John Dickens, who, it was claimed, was a grandson of Charles Dickens.

John Ogilvie attended St Michael's Academy and Queen Victoria schools in Belleville, Ontario and Semiahmoo secondary school in White Rock, British Columbia.

Entering the University of British Columbia in September 1956, he graduated with combined honours in physics and chemistry in May 1959; his nominal advisers in physics and chemistry were Professors G M Shrum and C A McDowell, respectively. During the summers of 1958 and 1959 John worked as an analytical chemist on pesticide residues in the entomology laboratory of the Canadian Department of Agriculture in Summerland, British Columbia. Further study at the University of British Columbia for the MSc degree in chemistry was undertaken from 1959 until 1961. A thesis on 'Infrared spectra of reactive species' was prepared under the supervision of K B Harvey.

In 1961 John was admitted to the University of Cambridge and to Emmanuel College as a research student in physical chemistry under Professor R G W Norrish, Emmanuel's Nobel prize-winner. John was elected in 1963 to a research fellowship at Emmanuel College and was concurrently appointed assistant in research in the department of physical chemistry. At Emmanuel, he was a member of the Association Football Club, playing against Exeter College Oxford in March 1963, and a member of the Musical Society, participating in college concerts of Beethoven trios and the Schubert quintet. John was awarded an MA in 1964 and a PhD June 1966. His doctoral thesis was titled, 'Spectroscopic studies of trapped radicals'.

He returned to Canada as a research fellow of the National Research Council (division of pure chemistry) in association with Dr W G Schneider. In 1967 he became assistant professor of chemistry at the University of Newfoundland in St John's, and was promoted to associate professor and then to professor in 1975. During a year of sabbatical leave in 1973–74, he circumnavigated the globe for the first of eight times on travelling to and from a research post at Australian National University. Between 1976 and 1986, John was professor of chemistry at Kuwait University and professor and head of department of chemistry at Bahrain National University.

From 1986 to 1988, John was a visiting professor of chemistry in National Tsing Hua University in Taiwan, and, from 1988 to 1995, he was a research fellow at the Institute of Atomic and Molecular Sciences of the Academia Sinica. He served as visiting professor of chemistry in Oregon State University from 1995 to 1997 in association with Professor J W Nibler. From 1997, he was an associate of the Centre for Experimental and Constructive Mathematics at Simon Fraser University. In sum, John was a professor or visiting professor, or equivalent, in 24 universities in 15 countries on six continents in chemistry, mathematics and physics. Among his publications with many collaborators in various countries are several books and more than 240 research articles in academic journals.

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.



JOHN ROBSON KIRKUP MBE (1946) died on 17 March 2024. The following obituary was sent to us by his granddaughter, Lydia Baines, and written by Michael Crumplin:

John Robson Kirkup was born at Sedge Flat Farm, near Chester-le-Street, County Durham, on 17 March 1928. His father was a tenant farmer supplying food to surrounding coal mines. With financial hardships in the 1930s, he later found employment as a chargehand blast furnaceman in Corby. John's mother, the daughter of a coal miner, was a teacher, and his sister became the only other member of the family to enter the medical profession.

John attended Kettering Grammar School over the years of the Second World War, from 1939 to 1946. He became head prefect and gained entrance to Emmanuel College, where he rowed and played rugby for his college. In 1949 he entered St Mary's Medical School, where again he played rugby for St Mary's first fifteen, also rowing for their eights boat. He qualified in 1952 and after his house jobs became SHO and registrar at the Norfolk & Norwich Hospital, working for Kenneth McKee and Iain Taylor. In 1958, he went onto an SHO rotation at the Manchester Royal Infirmary, where he was much influenced by Sir John Charnley. He spent two years of his training as a general surgical registrar. Following this, he became a senior registrar in orthopaedics at the Bath & Wessex Hospital and was appointed consultant orthopaedic surgeon in the Bath clinical area, where he served out his consultant career from 1966 to 1984. During his training, he stated that he was influenced by the physiologist Professor Lord Adrian, Sir Alexander Fleming, Sir Arthur Porritt, Sir George Pickering and J C Adams, an orthopaedic surgeon.

John took an interest in managing post-polio children and carried out leg-lengthening procedures. With an attachment to the Royal National Hospital for Rheumatic Diseases, he established a foot clinic and developed a novel and pioneering ankle joint replacement for patients with severe rheumatoid arthritis. He was a founder member and president of the British Orthopaedic Foot Surgical Society and the Rheumatoid Arthritis Surgical Society. Thus, he was a leader in subspecialised surgery before many other surgical 'splinter' groups developed.

During his career, John was supported by his wife, Pierrette Françoise Léger, who retained her French nationality and came originally from Bordeaux. She is a qualified French teacher and artist. John and Pierrette had four children.

In addition to a career in orthopaedics, John expanded his knowledge over decades by becoming a leading authority in surgical history, with particular expertise in orthopaedics and the story of surgical instrumentation. His Cambridge University MD thesis was written on 'A historical study of the surgical armamentarium: origins and materials'. His studies on surgical instrumentation not only addressed descriptive and historical perspectives, but also championed an understanding of the way surgical instruments evolved, were designed and used, including the ergonomics that extend the work of the human hand via these tools.

During this part of John's life, he took a major historical lead by delivering many lectures in Britain and abroad, teaching surgical history for the Society of Apothecaries and serving as a member of the Société Française d'Histoire de la Médecine and the European Association of Museums of the History of Medical Sciences. He was elected president of the British Society for the History of Medicine and also of the Historical Medical Equipment Society, which he founded. He edited two and wrote three books on surgical history, as well as many articles. One of the three books was a seminal and unique work on the evolution and functional description of surgical instrumentation.

John also made significant contributions to the Royal College of Surgeons: he gave the Vicary lecture and, most importantly, he had a long record of service, acting as the more senior of the two honorary curators of surgical instruments at the college. This was a service given over several decades, and for all John's contributions to the college and for medical heritage he was justly rewarded with the Sir Arthur Keith Medal in 1998 and appointed MBE in 2011.

Latterly, John continued to enjoy walking and tending a large garden. He held a lifelong interest in the identification of wildflowers. In addition to his orthopaedic skills, John should be remembered as a great contributor to the history of surgery.



CONRAD WALTER JOHN TILLYARD (1947) died on 7 March 2023. We have received the following obituary from his wife, Jenny:

Walter Tillyard was born in London in 1922. His early years were spent with his family in university towns, where his father was a professor of various languages, including the University of Cardiff where his father was professor of Greek. He took his higher school certificate at Penarth Grammar School, where he represented the school at

rugby and athletics, and then entered Cardiff University to study languages, history and archaeology.

Walter's academic life was then interrupted by war service, and the following paragraphs are his own recollection of those times.

'September 1941: "Took the King's shilling", ie volunteered. Assigned to a north country infantry regiment but allowed to complete the year at Cardiff University (which included one lecture a week on Welsh history). Came home on first day of third term to find call-up papers to Royal Signals, Prestatyn holiday camp. Trained there and in Huddersfield, living in a disused woollen mill in the centre of town and training in the Old Library. Rank: Unpaid Lance Corporal with duties as Guard Commander, ie of sentries at one of the places guarded at night. Turned down officer training because, after a year in the science sixth form, I did not think I'd make a good Signals officer: a mistake.

'August 1942: Interview in Whitehall in English, French and German. Told I'd be sent to Winchester to join Field Security and would be taught to ride a motorbike and fire a revolver. Alas, Royal Signals blocked this: I was too far gone in my training.

'December 1942: Sent to join 'Phantom' ie GHQ Liaison Regiment. Told I was very lucky: I still think so! Delighted to be on Richmond Hill, with its lovely views and Richmond Park only yards away, where I used to stand sentry and listen to the deer coming close through the mist. If asked what P stood for, we were to say "Phantom" and no more.

'January 1944: Sent to L Squadron stationed in Dollar, Scotland. Troops in Scotland were there to give Hitler the idea that we might invade Norway: he kept several thousand men stationed there. If they had been in France in June??? I loved being there, never fitter.

'June 1944: 'We're in!!!' Back to camp, start packing. My job to charge all the squadron's batteries for their radios. Portsmouth. Long delays: squadron went to Normandy bit by bit. My Scots colleague sent to A Squadron when I went to L. Went in on D-Day: in Normandy on a hill west of Bayeux, near road to St Lo and not very far from Monty's HQ.

'September 1944: Waterloo, Belgium. Regimental HQ in club house of local golf club, north of the battlefield of 1815. We lived in a wooden hut not far away. Greeted on arrival in the village with 'Would you like a cup of tea?'. Result: civilian friends throughout my stay.

'January 1945: Sent with a driver to contact a Phantom patrol in Luxemburg. Asked Americans for directions in the city. Sent north and out of town. Snow and distant gunfire ahead. Arrested by Americans in next village and interrogated. Got to patrol the next morning and on way back near Liège saw my first doodlebug.

'8 May 1945: Previous night on a hill just in Germany, distant Dutch lights visible. Sentry duty memorable for the nightingales in nearby woods. Soon moved east to

Bünde, a small town in Westphalia; pleasant location. Asked to use my German a few times.

'1946: Posted to 7th Armoured Division (the Desert Rats), still in Westphalia. Pleasant enough but little to do; mended the colonel's electric razor! Should have been demobbed but held back; no reason given. It took a letter from the Senior Tutor at Emmanuel College, Cambridge to get me out by Christmas.

'Awarded four service medals and the French Chevalier de la Légion d'Honneur medal (founded by Napoleon in 1802).'

Following demobilisation, Walter attended Emmanuel College, studying history and representing the college at rugby (playing at hooker). Following graduation, he attended Bristol Teacher Training College for one year. His first teaching post was in 1950 at Shrewsbury Priory, a state grammar school, where he stayed until 1957. In 1958, he moved to Eastbourne Grammar School, under headmaster Rex Shaw, with whom he enjoyed working, teaching mainly German, with some history and biology. His history lessons have been noted, by son Rob, as entertaining! He was also an excellent shot with a wooden board cleaner. Walter was not ambitious to go for senior management roles, as his first love was always teaching.

With his service background, Walter supported John Mallion (whom he succeeded as head of German in 1960 following the latter's move from Eastbourne) in running the Combined Cadet Force (CCF), taking command in succession to Major Reid in 1962. The following is a memory from a grateful pupil (who later committed the ultimate sin of joining the Senior Service):

'Captain Walter Tillyard was the officer in command of the Eastbourne Grammar School Combined Cadet Force (CCF) and he led from the front with great enthusiasm and proper military discipline. In 1963 the CCF unit moved into the new CCF facilities in Kings Drive with thriving army and air force sections. The air force section was led by Lieutenant George Dixon. As a member of the army section, the writer was not exposed to the kinder, gentler goings-on of the air force section such as gliding courses, but rather to dashing around in the rain at the margins of the playing fields, on the South Downs and at annual training camps carrying a First World War vintage 303 rifle and various item of kit.

'Captain T led from the front, always immaculate whether on parade or in the field; his orders were delivered in short staccato terms that required immediate compliance! Captain T was in his element at the annual CCF camps – I recall trips to the army training centre at Pirbright in Surrey and St Martin's Plain outside Folkestone – where he was immersed once again in the full-time army and a member of the officers' mess. Captain T believed that the role of the CCF was to provide a Service background to all cadets and to develop qualities of leadership, resourcefulness and a sense of public service. He and his leadership team succeeded on all fronts.'

During his time at Eastbourne Walter was a keen violinist in the school orchestra; he also gave careers advice to those whom Rex Shaw had deemed not candidates for Oxbridge! He was also one of the teachers assigned to Cavendish House. In 1984, following the changes at what had been Eastbourne Grammar School, Walter decided to apply for a job at Lewes Old Grammar School, teaching German, and he retired from there in 1991.

In retirement, Walter had many interests including playing his violin in local orchestras and string quartets, singing in choirs, and maintaining contact with former colleagues including Mike Morley, Bob Wisden and Frank Collet. A keen fruit and vegetable gardener and dinghy sailor, he was surrounded by books at home, mainly history, biographies and Greek culture. He loved travelling and, in 2010, bought a cottage in France, in which his proudest possession was a well-used workbench: never an idle moment in his life! A speaker of five languages, Walter maintained a keen love of all things European. He was also a keen, long-standing contributor to University of the Third Age in Seaford, where he lived for many years and a welcome attendee at EOGA annual lunches.

Approaching his hundredth birthday in April 2022, Walter certainly looked back on a career in which his positive influence and professional and personal standards endeared him to colleagues and pupils alike. His was a life lived to the full.



GEOFFREY JOHN TARRIS (1948) died on 6 May 2024. We have been sent the following obituary by his daughter Jill Mackay and son Philip:

Geoffrey was born in Barking in 1927 and attended Barking Abbey School. In 1939 there is one short entry in his diary for 3 September in capital letters, 'WAR'. He was bombed out of his house and his school, returning to his school in 1942 and his house in 1945, the year he was made school captain. He loved his association with Barking Abbey and kept in touch with the Old Barkabbeyans. In 1945 he met Alma, aged 17, at a youth club cricket match where Alma was playing and Geoffrey was watching, a scene that conveys who the sporty one was.

The year before, 1944, we possibly get our first glimpse of his vocation. The school play was called 'The Bishop's Candlesticks' and the school magazine reported: 'The Bishop [played by Tarris] was calm, controlled and unhurried, and dominated the play in an unassuming manner.' This could almost be his epitaph and it was perhaps a sign of things to come.

In 1946 he was called up for National Service and deliberately chose to serve in the ranks of the Royal Armoured Corps. He was demobbed in 1948 and went to Emmanuel

College to read music. On 10 June 1949, he and Alma were engaged. Their wedding was in September 1950 as Geoffrey, with an honours degree in music, switched to theology for his final year. He maintained his links with Emmanuel throughout his life and always enjoyed reading the *Magazine*.

After two years of ordination training at Westcott House he was ordained deacon in 1953. A curacy followed in Abbots Langley, and then his first main church appointment, as precentor of St Edmundsbury Cathedral in 1955. This was the beginning of a faithful ministry in Suffolk, which took him from the post at Bury St Edmunds to vicar of Bungay for 13 years, then vicar of St Mary-le-Tower in Ipswich for ten years and finally back to the cathedral in Bury for his last 11 years as residentiary canon, director of lay ministry and then director of ordinands.

He was a diligent, conscientious and faithful priest. He was prayerful and lived life as a great example of God's way. He was kind, caring and encouraging, particularly to the ordinands he cared for; he was thoughtful and wise. So many people have been touched by his ministry and many commented how much they admired him and how he had influenced their lives.

He loved his church music, particularly at St Mary-le-Tower and at the cathedral. He was not afraid to experiment, introducing liturgical dance in Ipswich. He was a disciplined priest who enjoyed the daily office, and he had that liturgical presence, able to lead worship clearly and meaningfully. He did it all with a gentle sense of humour, never taking things too seriously. He was an ordained priest for very nearly 70 out of his 96 years and left a deep impression on many people.

In retirement he went from one cathedral close to another. He and Alma spent 30 very happy years in the Lower Close in Norwich. His ministry continued in the cathedral, supporting the clergy team and including a spell as interim precentor. He developed an active funeral ministry at Norwich crematorium. On deciding to retire from duties in the cathedral for the final time in 2009, aged 82, his letter to the precentor showed his typical wry humour: 'I feel perhaps the time has come for me to withdraw from the rota. Should you know of a successful cure for increasing age I would be most grateful and would happily return.'

TIMOTHY WHEILDON BROWN (1948) died on 10 August 2023. We have received the following obituary from his friend, Richard Clifton:

Tim Brown was born in 1925 in Birkdale, near Stockport. At the time, his father was a very well-liked master at Terra Nova, a boys' boarding school, of which he became owner and headmaster in 1928 with money from his family. Tim, at age seven in 1932, suffered an infection in his left ear and the hospital surgeon operated to cut out infected mastoid bone; there were no antibiotics then, and recovery was a prolonged stay in Margate. I think this lost him a year in education. Tim was next sent to a boys'

boarding preparatory school, the prestigious Bramcote School in Scarborough. He did well, becoming head boy, and in June 1939 gained a scholarship to Clifton College, Bristol, another boys' boarding school.

In autumn 1939 at age 14, Tim went to Bristol, which seems to have been one of the first cities to be bombed in the Second World War. He remembered the bombing as a welcome break in the school regime, but the governors realised that the school would have to be moved, which it did, to Bude on the North Cornwall coast. The various parts of the school had to be housed in whatever buildings could be hired (mostly ex-hotels), which meant that pupils and teachers had a good deal of walking, with music in one building, mathematics in another and others again elsewhere. However, the book *Clifton at Bude and Butcombe* states that the pupils enjoyed the responsibility and, I hope, the all-weather walking between classes. Tim said that he very much enjoyed this regime! He joined the school's voluntary military training courses and found to his sorrow that the Royal Air Force would not have him because of the damage to his left ear. Meanwhile he had found his aptitude for construction and curiosity about it (roads, bridges, dams and all the associated necessary structures) and had gained another scholarship, to Bolton Technical College: he left Bude in 1943, now age 18, to do the engineering course there. I think it was oriented to practical work and gave Tim the knowledge as well as ability to do all the plumbing, electrical and carpentry work in his jobs and particularly in his residences. It is clear that he had decided on an engineering career.

He volunteered to join the armed forces and the Royal Engineers, going on the army's officers' training course. He was commissioned and assigned to Burma, where British troops were fighting the Japanese. This led to posting on a course to learn Burmese at Radley College; then he was shipped out to Burma via the Suez Canal. By the time he got there the fighting was over. He served for a year with an 'independent mechanised equipment platoon' (according to his application for student membership in the Institute of Civil Engineers): he was appointed workshops officer to supervise the overhaul of 'heavy civil engineering equipment', of which the diesels had survived much better than the electrics of the petrol-driven plant over some 'two or more monsoons' of rain.

Tim was demobilised back to Britain and was accepted at Emmanuel College on the honours engineering course, which degree he gained.

In 1950, age 25, he joined Binnie, Deacon & Gourlay as a graduate assistant under agreement. He worked in Scotland on the Lanarkshire Daer Valley impounding reservoir, hindered by rainfall of '60 and 70 inches per year'. After working on the Daer project, Tim spent some time in the office and travelled to sites in the UK as a specialist expert. Here he made friends with several of the other engineers, with whom he remained friends until parted by their deaths, as also with his army friends. It was a great feature of his life that friends were lifelong.

He applied for and was awarded associate membership of the Institute of Civil Engineers in 1953. At some point after 1954 he became a full member and could add 'MICE' after his name.

About 1953 Binnie's sent him to Burma for an oil pipeline project. Photos show Tim and a co-engineer very much enjoying the project, finding time to create a dinghy to sail on local lagoons.

In 1954 Binnie's sent him to Iraqi Kurdistan on an irrigation project, the Dokan dam, 'a concrete arch dam 116m high', using a new design, not 'trial load' but 'curved diaphragm'. The calculations required were lengthy and repetitive, and Tim would have been one of the 'human calculators', prior to computers. Other professional civil engineers on that project included 'Mr & Mrs Taylor', accompanied by Mr Taylor's sister Dorothy. She was the same age as Tim; they became 'an item' and married in March 1963.

About 1968 Tim left Binnie's and joined Sir Murdoch MacDonald & Partners (MMP), who sent him to Iraq on lower Tigris irrigation schemes: his project was near Baghdad. These gave no opportunities for mountaineering or even long walks, which were a great feature of his life, and apparently no boating opportunities either. Back in England, MMP moved headquarters from London to Cambridge, where Tim bought a small terraced house rather than commute every day from his new flat in Westminster. In addition, he and his wife Dorothy had an 'agreed separation' but, although never divorced, they never were re-united. I begin to think they were both loners, despite which Tim held frequent lunch or evening parties, visited and was visited by friends, went to concerts, enjoyed ice skating, swimming, skiing, boating, and always walking over fells, moors and mountains.

Probably from 1973, Tim worked almost entirely in the Cambridge office, employed to check contracts in a small team: half drew them up and the other half checked that they covered the job: a very onerous and vital twin-aspect job. From this point Tim's diaries show him on ski trips abroad in winter and, in summer, walking trips generally in Greek islands, a few in Germany, alone.

In March 1988 Tim retired from MMP, which a few months later became Mott MacDonald Partners. Tim began to be involved with various charities such as the National Trust, the Prince's Trust, RedR (an engineering charity involved in disaster relief) and a number of other local charities; nor did he forget his father's old school Terra Nova nor his college, Emmanuel, to which he also donated his Cambridge cottage. He had had, with Dorothy, camping holidays near Dover, and also bought a small terraced house there for weekend trips. After the age of 67 he suffered prostrate trouble and was soon put on medication. However, he still managed four-to-five-hour walks on a favourite winter holiday resort, Fuerteventura in the Canary Islands, and at Wastwater, as well as near Dover along the cliff tops.

From 2019 he suffered sciatica, a broken hip and, fatally, a cancer behind his right eye (2022), needing brilliant home care from MacMillan Nurses and Trinity Hospice, set up by Guy's Hospital. He died in his flat on 10 August 2023 at age 98.



CHARLES SYDNEY EVANS (1949) died on 14 February 2024. We have received the following obituary from his daughter, Carol Stansfield:

Syd was a very quiet modest person so I would like to share with you some of his achievements. He was born in Shrewsbury and attended Priory Grammar School for Boys, where he excelled and was offered a major scholarship to attend Cambridge University. Without this scholarship he would not have had the means to afford attending. He was the first person in his family to go to university. He had to defer his place until after he had completed two years of National Service in the RAF.

He matriculated at Emmanuel in 1949 to study physics in natural sciences and mathematics and graduated in 1952. We still have his college tie that he wore on special occasions.

Syd was offered a job working for Ferranti, a computer firm based in Manchester, where he joined the guided weapons team at Moston in 1952 and worked as a design engineer on Bloodhound. In 1953 he moved to the Wythenshawe site, where he was involved with microwave equipment and electronic circuits before going on to work on future developments in the commercial field in the early 1960s. At this time, he was project manager for the first direct digital control system of a plant installed at ICU, Fleetwood. He went on to the development of integrated circuits for computer systems and oversaw the first British commercial integrated circuit computer, the Argus 400. Following this he was the chief designer on the Argus 500, 600 and 700, and in 1973 became head of the systems design group and then quality manager. He worked for Ferranti for 38 years, retiring in 1990. Amazing achievements then on things we take for granted these days!

He enjoyed playing badminton and bridge while at Cambridge and then continued to play badminton for many years after. He was also a keen bridge player well into his 90s.

Syd married Audrey, whom he met at Ferranti, on 22 August 1961. They had two daughters, one of whom followed in his footsteps to study at Sidney Sussex College, Cambridge. They also had six grandchildren. He achieved a very good work/life balance as a family man and as worker at Ferranti.

Syd died peacefully at home with his family around him after a short battle with cancer. His wife sadly died two months before him after a long happy marriage of 62 years. He was much loved by their two daughters and six grandchildren.



PETER JAMES FIRTH (1949) died on 16 February 2024. His grandson, Finnian Firth (2011), has sent in the following obituary:

Peter James Firth was born on 12 July 1929 to parents Vernon and Edith. Following his education at Stockport Grammar School, he was offered a scholarship to RADA, which he declined in favour of an exhibition at Emmanuel College, where he matriculated in 1949. However, Peter's performing days, once begun at school, were far from over.

On the contrary, the stage featured as much as the library, if not a shade more, during his education in history and modern languages at Emmanuel. After joining the Footlights in 1950, he went on to write and perform in their shows for the remainder of his time at Cambridge, eventually serving as president in 1952–53. This love of theatre even introduced him to his future wife, Felicity: she, at Newnham then, acted in the ADC's 1951 production of *The Importance of Being Earnest*, produced for the Festival of Britain. Evidently her performance caught his eye in more ways than one, the story goes! Their relationship grew from strength to strength, and they were happily married just a few years later in 1955.

In what would be his final year at Cambridge, Peter produced and wrote music and lyrics for the Footlights' *Cabbages and Kings* and was even asked to take the revue for an extended run in London. However, he turned this opportunity down, in a decision that would come to define much of the rest of his life. After having spoken to Felicity's uncle, a monk at Nashdom Abbey in Buckinghamshire, Peter was invited to tea with the principal of St Stephen's House in Oxford, to discuss the possibility of training as a priest in the Church of England. Peter, though he had been confirmed as a child, had not been a regular churchgoer. Nevertheless, his curiosity and faith must have been evident: after a long walk with the principal, Peter was informed that training for ordination began the next week, and that his attendance was expected. An expeditious discernment, to say the least!

Peter embraced his new path, securing first a position as curate at St Stephen's Church in Barbourne, Worcester, then as parish priest at the Church of the Ascension in Malvern, and then as rector of St George's in Gorton, Manchester. His ministry was always a personal one, as he endeavoured to know truly as many members of his parishes as he could. He always found ways to connect with them, beyond the confines of the orders of service. He wrote and produced plays with them. He talked football with them, too. From his time playing for Emmanuel to long and hoarse afternoons at Old Trafford, Peter's passion for football was evident to all who knew him. He even took a group of parishioners to Wembley for an FA Cup final: I'd like to think it was 1963, where he would have been delighted to see United beat Leicester 3–1.

Through this time, Peter was gradually asked to contribute more and more religious content for BBC Manchester, and eventually he pivoted to spend 16 years as a full-time producer of religious television and radio programmes. He produced groundbreaking programmes for radio and television, including the award-winning programme *Joy*. His final career step came when he was invited to become the suffragan bishop of Malmesbury; he was consecrated in 1983.

At home, Peter and Felicity's family was growing. In 1958, Felicity gave birth to my mother Gabriel, soon to be followed by Julian in 1961, Susy in 1962 and Matthew in 1966. It seems the Firth household was always a flurry of activity. The ideal family holiday, in Peter's eyes, was to drive deep into Italy and Greece, with a fair amount of wild camping to supplement the historical attractions of the ancient worlds there. Meanwhile, in term-time, the children would find a steady stream of visitors at the house. Peter's invitations varied widely, from serious and spiritual consultations, to merry parties for all-comers. Peter and Felicity's warmth as hosts was constant and genuine, both to their friends and, ultimately, in their role as grandparents, foster parents and great-grandparents.

Peter eventually retired with Felicity to the Cotswolds, maintaining a link to their Bristol life, but making space to enjoy nature and God. His passion for writing remained strong, as he published four collections of poems, as well as a book entitled *The Love that Moves the Sun*, taken from the last line of Dante's *Divine Comedy*. Felicity remarked recently that this title captures so much of what Peter means to her, and to those who really knew him. His religious career was largely based around understanding and embodying Christ's gospel and, with it, his message of love. That love radiated through Peter for all his life, and continues to do so now.

Peter has influenced my life in so many ways, not least my decision to apply to Emmanuel. I am so grateful for the memories I have with my grandfather, from live Shakespeare in the sitting room, to counting the steps (and people!) at Greek amphitheatres, to transatlantic calls about religion and Manchester United. He was curious about everything, found joy everywhere and loved everyone. On 16 February, he died peacefully at home, bringing everyone together under one roof, just as he always did.



DAVID ALTON FORRESTER (1951) died on 27 December 2023. We have received the following obituary from his family:

Born in Kenya, East Africa, and brought up in the wide-open spaces of rural cattle ranches, David Forrester attended secondary school in Nairobi. Having obtained a place in 1951 at Emmanuel College, David was supported financially by one of his uncles, a generosity that imbued David with a sense of the value of education and service to his community. Upon returning to Kenya, David was appointed to a position

as an administrative officer with the British Overseas Civil Service.

In 1959 David married Fay Garner and had two children. In 1964, with Kenya achieving its independence, he resigned to make way for Africanisation. David and Fay migrated to Australia, where David requalified as a solicitor with the Western Australian state government. In 1988 as a senior assistant Crown solicitor, he resigned to become a barrister.

David was also a member of several Australian commonwealth and state tribunals including the student assistance review tribunal, the state building disputes tribunal and the state equal opportunity tribunal.

David's wife, Fay, died suddenly in 1979. David dedicated himself thereafter to supporting the education system and made regular donations to Emmanuel College in support of students in financial hardship.

David held executive positions with numerous voluntary organisations, principally the State School Parents and Citizens movement in Western Australia, of which he was president between 1988 and 1991. This involved active participation in the national body, the Australian Council of State School Organisations.

In the Anglican Church he held, from 1955 to 2015, a licence as an Anglican lay reader and then as a pastoral assistant.

That act of generosity of his supportive uncle afforded David, through his university education, the opportunity to support throughout his life the educational hopes of so many others.



JOHN MIRAMS (1953) died on 19 February 2024. We reproduce here the eulogy that was read at his funeral service by his daughter, Debbie:

All of us have been enormously touched over the last few weeks by all the messages that we have received and the fond memories that have been shared with us. And within those messages, one phrase came up again and again, that our father was 'a true gentleman'. We knew that, because he

was a brilliant, loving father; it was very touching to realise that that was how so many of you saw him too. The phrases that *he* used to describe himself was 'born lucky' and lived a life 'full of miracles'.

He was a gentle giant. Not too surprising as his father, Arthur, was six foot ten inches. Indeed, his father was denied deployment to the front line in the First World War as he was too tall to fit in the trenches! I say gentle, but Dad's bear hugs were crushing and his affectionate tap on the shoulder could send you flying, even in his final days. In every sense though, he was a complete softie who loved our lovely Mum, us kids, his four grandchildren and the numerous pets throughout his life, culminating in the one very special Tibetan terrier Maggie. He met our Mum Liz, in 1958 in Stratford-upon-Avon at a party hosted in the flat of a colleague. Dad was enchanted but failed to take her telephone number. However, with his self-described good luck, a few days later in a pub, their eyes met again 'across a crowded room' and this time he grabbed the opportunity, and their romance began.

Sometime later, Dad's company Shell-Mex & BP moved him to Shell-Mex House, next to the Savoy in London. While he used to visit Mum in Stratford every weekend, he soon decided that life without her was not acceptable; on his next visit he proposed on bended knee. He described it as one of the 'major miracles' of his life that she said 'yes'. They got married and their highly sociable early years together in their central London flat were full of parties, spending many hours in the Lamb & Flag, going to the theatre and making many dear friends, some of whom are here today. They had a long, happy marriage.

But it wasn't all a bed of roses. A few months after they got married and moved to London, Dad was diagnosed with throat cancer. The initial prognosis was not good, to say the least, but luckily the consultant looking after Dad decided he was an 'interesting case' and persuaded the top cancer consultant at St Thomas' Hospital to treat him with cobalt and radiotherapy treatment. One of his dear friends, Tim, remembers leaving for the Far East as a surgeon on HMS *Belfast* shortly after Dad's diagnosis, expecting never to see him again. Upon Tim's return 18 months later, he was surprised to see Dad alive and well. Another one of Dad's miracles!

From an early age, Dad shared with us his love of the outdoors. His childhood, especially the period during the war when they lived on the farm to which they had been evacuated, was happily spent with his brothers Ken and Peter, exploring, getting into mischief, milking cows, leading carthorses, helping with the harvest and being in sole charge of the goats, of which he was very proud!

His creativity and construction skills found a new outlet when his grandchildren arrived. For many years Mum and Dad held secret meetings with them in their beloved caravan (parked on the drive) at Christmas, where increasingly complex models were built in which to hide presents for the Christmas table centre. No challenge was too great and they often defied gravity!

Another miracle, according to Dad, was their move to Bosham, the village they both deeply loved 20 years ago, the right house appearing at the right time. They threw themselves into village life, particularly the primary school across the road from their house, where Dad became both a governor and a gardener. They both loved walking and cycling around the harbour, and even very recently, if you saw a blur of a high-vis vest fly past at high speed, it was likely to be Dad on his electric trike!

He was a softie, but he was also extremely driven and determined, some may even say stubborn! He placed the utmost importance throughout his life on education. Dad felt that one of the many ways he was lucky was to have had such a wonderful education at both Lord Williams's Grammar School and then at Culford School, which allowed him to gain a scholarship and a place at Emmanuel College to read history. It is safe to say, though, that the joy that Dad gained from both school and Cambridge was not purely academic! Fiercely intelligent though he was, plenty of time at school was spent on the sports field, playing rugby and cricket. This continued at Cambridge, where Dad was immersed in the sporting life of the university, becoming the editor of the legendary *Light Blue* university sports magazine.

At Cambridge, the love of sports was met with a love of socialising! At his first dinner in Emmanuel College, his lifelong friendships with Peter Morton and Tim Taylor were formed. Tales abound from that time in Dad's life of dinners, May Balls, setting the world to rights late into the night over coffee and whisky, parties, and trips to London in Peter's car.

Dad was always able to find great joy in experiencing all that life had to offer. His time between school and Cambridge, doing his National Service as an officer in the Gunners regiment stationed in Germany, was a formative experience for him. He loved meeting and serving alongside people from all walks of life, the loyalty and the discipline, working together in a team with a shared goal, and all the pomp and ceremony of military life. And, of course, Dad found the opportunities to join in the fun. Tim recalls that the only German phrase that Dad remembered from his time there, translates as 'My friends will pay!'

Dad was never one to be idle and had a long and varied career in marketing. He had some difficult moments, but always found a way through. At 65, rather than retiring, he started a new job working for a friend of ours, and he continued to work very happily until he was 85. Alongside that work, Dad commenced work on the infamous 'document'. He was enormously aware of the privilege that he had enjoyed throughout his schooling and the scholarship to Cambridge. This helped drive his passion to ensure that every student had an opportunity to excel within the educational system in this country. His enormous frustration was that vocational training was not valued, supported or widely available, and he believed deeply in creating multiple pathways for students who were not necessarily academic.

Thus began 15 years of deep and complex research and writing, culminating in a series of constantly updated proposals to government. They were meticulously researched and evidenced, and were sent far and wide to policy-makers at every level. Indeed, it may be that the only people who won't miss him too much work in the post room at Number 10! He generously shared each draft with all family members, despite the fact that it was beyond any of us to understand.

Health issues, as a result of the cancer treatment in his youth, made eating and drinking quite challenging in the latter years of his life as well as impacting his balance and hearing. Despite all those challenges, when industrial amounts of Gaviscon (the answer to all ailments) didn't help, he set about trying to find a simple solution. A conversation with his granddaughter Lucie suggested that carbonated water might help to ease his condition, known as dysphagia. It was a game changer and set Dad off on his next project. Dad of course did a deep dive into the very limited existing research on dysphagia, conducted his own research at home, and naturally created another document, which made it to a team of researchers at King's College Hospital. Further research was then published in a medical journal where Dad was listed as a joint author. Aged 89, Dad's inbox started to fill up with invitations to speak at conferences from all over the world. While he didn't want to travel, he took enormous pleasure from the impact that this research had and the hope that it will aid dysphagia sufferers.

So he was a true gentleman, who against all the odds managed to leave an extraordinary legacy, which was only eclipsed by his deep love of our Mum and family, and Maggie of course!

He noted throughout his life how lucky he was, but I think he made a lot of his own luck with his gratitude for life and determination to succeed: he never gave up. We are deeply grateful to have had him as a father, a grandfather and a friend.



CHARLES JAMES FRANCIS LLOYD WILLIAMSON (1953) died on 22 April 2024. His brother, Robin (1961), has written the following obituary:

My brother Charles James Francis Lloyd Williamson was born on 4 April 1935, the eldest child of James Charles Frederick Lloyd Williamson, a Brighton surgeon, and Helena Frances Madden, who had been a nurse at the Royal Sussex County Hospital. He was called Jim from the start. When the Second World War broke out, he was evacuated briefly to west Wales with our mother and two younger sisters because Brighton was a prime target for the threatened German invasion. They soon returned to Hove because Mum disliked living with distant relatives on the remote Cardigan coast rather more than

she feared being overrun by the Nazis. The arrival of a baby brother and the call-up of our father into the Royal Army Medical Corps in 1942 meant that Jim was sent away to preparatory school at Lambrook in Bracknell, Berkshire. Now a coeducational school with 400-plus pupils where the future King is being educated, Lambrook was in those days a boarding school for about 100 boys.

From the age of 13 Jim started on the educational path taken by our father, to Rugby School and then on to Emmanuel College and St Bartholomew's Hospital Medical School, London. Qualifying as a doctor in 1959, he undertook training posts in the South-East. An anaesthetist's career beckoned, but in the end he decided to become a general practitioner. In 1961 he joined the practice in Horley, Surrey, that had been set up by his grandfather in late Victorian times. For a while he also gave anaesthetics for visiting surgeons, including our father, at Horley Cottage Hospital. In 1960 he married Antonia Chalker and they had two daughters, Sarah and Lucy. They bought The Moorings in Russells Crescent, Horley, and lived there for the rest of their lives.

Jim was the archetypal, old-fashioned and much-missed type of GP who was devoted to his patients. Kindness was combined with hard work and the ability to remain up-to-date with the pace of modern medicine without sacrificing the personal touch. In his early years in the practice he would often see older patients whose records included hand-written entries made by his grandfather, Charles Frederick Williamson, who had died in 1942. Outside medicine, Jim's joy and passion lay in developing and maintaining the large garden attached to The Moorings, which from time to time he opened to the public on behalf of various charities.

He and his family became close friends of American neighbours, whom they visited on several occasions after they had returned to the USA. When our father died in 1970 Jim took on the role of head of the family, keeping in close touch with eight nephews and nieces in England and in Australia and, in due course, with an even larger number of their offspring. His wife died after a long illness in 2016 and his elder daughter in 2021. These losses were compensated by pride in Lucy's achievements as headmistress of a school in London, and by the strong and loving bond that he had formed with his granddaughter Maddie.

After retiring from full-time practice in the late 1990s, Jim continued to work as a locum GP, including on one occasion for his nephew Richard soon after he had started his own practice in Horley. He also joined the board of the local mental health trust. Spare time now was spent in the garden, where he designed and built a large model railway. Latterly he found companionship with Janice Hardy, herself a widow who lived across the road, and they travelled widely in Britain and abroad. Jim remained active and interested in life right up to his short final illness, which came one week after his eighty-ninth birthday. His personal and professional qualities can be summed up as competence, consistency and compassion.



CHRISTOPHER LEFFLER (1954) died on 15 March 2024. We have received the following obituary, which has been adapted from the eulogy prepared and given by his son Tim at Christopher's funeral on 15 April 2024:

The Reverend Christopher Leffler was born on 22 September 1933, the only son of Hereward and Vera Leffler at New Maldon, Surrey. Grandpa worked in the City at the Bank of England and Granny was at home, as was normal in those days.

As the political climate of the time darkened, Christopher's parents, possibly foreseeing another major war, purchased a cottage in Chardstock, Devon, not far from Lyme Regis. The house, which they named Christopher Cottage, formed some of his earliest memories. It was lovely that he had the opportunity to go back to Chardstock in 2021 and found Christopher Cottage still standing and very much renovated. As wartime evacuation plans were made by the government, they moved to the cottage to avoid separation and spent the war there.

Wartime schooling was spent at Ilminster Grammar School's junior school, where one of Christopher's enduring memories was cross-country running. Many were the times that he regaled us with stories of running in just shorts and a vest and breaking the ice on the puddles there, or later on Wimbledon Common after the war. Returning to London when the war ended, he finished prep school before going to King's College School in Wimbledon. School pursuits included piano and singing in harmony, rowing, tennis and badminton, as well as playing an active part in the Bible study and prayer meeting group. Church was already a key part of his life and must have also been influenced by his parents' example. He also joined the cadet force, was particularly interested in the naval cadets' signalling and was a first-class shot with the rifle. He wisely joined the Royal Naval Volunteer Reserve at 17, which enabled him to do his National Service in the navy. Like so many of his vintage, he remained proud of his naval service, and he kept up his membership of the Royal Navy Association until he died.

National Service was between 1952 and 1954. He chose not to take the officer exams and enlisted as Able Seaman Leffler. He recalled sleeping on board the vast HMS *Indefatigable*, an ex-aircraft carrier, during training and was eventually drafted onto HMS *MFV 32*, a motor fishing vessel based in and around Stornoway on the west coast of Scotland. This kindled a love of the sea, which lasted well into retirement.

After National Service, Christopher joined Emmanuel College from 1954 to 1957. His time at Cambridge was seminal, as was his National Service, and he was fiercely proud of his accomplishments there. He also often told the story of accidentally stashing his travel alarm clock in his pocket one time at evensong in the chapel and the alarm going off in the middle of a choral piece to the huge amusement of his colleagues, a precursor of a mobile phone going off today.

1957 was a landmark year for Christopher. Not only did he graduate with a degree from Cambridge, but he also met Jane at a tightly packed Bible study group in a student's room. He offered the new nurse member his seat on the bed before sitting at her feet. So started a friendship that rapidly blossomed into romance. On the night of the May Ball that year he proposed, and they were engaged.

After leaving Cambridge in the summer of 1957, he headed to Lincoln Theological College for two years. He was ordained in Southwark Cathedral on 24 May 1959 and took up the position of curate at Bermondsey in London just prior to their wedding.

Christopher and Jane were married on 17 October 1959 at Lynton Church in north Devon, with the reception at the Lee Abbey Christian Community, where Jane's father was the warden. So began 64 years of marriage that pretty much matched his active ministry. After their honeymoon on Studland heath on the edge of Poole harbour, the young couple returned to married life at Bermondsey and Christopher's curacy there between 1959 and 1961. Their transport was a Lambretta scooter, which was stolen one day while he was with others planning a youth group. Alerted by a youngster that someone was in the act, he allegedly gave chase on foot and, because of his earlier running prowess but mostly because the thief couldn't work out how to change the gears of the stolen machine, he caught the villain.

Their first son, Jonathan, was born in 1960, and their London home also hosted several other family members who stayed with them for varying periods of time. 1961 saw a change of curacy and a move to Herne Hill, lasting until the end of 1963. Their second son, Jeremy, was born in 1962. During this time that Christopher also became involved with another long-standing interest, clinical theology.

1963 was dominated by a third pregnancy for Mum, but rather than child number three, an X-ray (no scans in those days) revealed that triplets were expected: Elisabeth, Ruth and Timothy. Christopher arrived home one September evening after mid-week evensong to find Jane, bag packed, on the doorstep saying the triplets were on the way. It was off to hospital via a petrol station: they never had faster service! Triplets in those days made quite a story and several national papers showed an interest in the family, and also in Christopher's innovative powers: we have a *Daily Mirror* photo of a special three-child pushchair that was also used as car seats, a forerunner of today's much posher versions of car seat and buggy combos!

Christopher's training was complete and in November 1963 the family moved to the suburb of Canley in Coventry, to be welcomed by an active young St Stephen's Church. Having a large family had its interesting moments and he allegedly preached a whole sermon with a small son perched on the edge of the pulpit with him. We're not sure which one!

1967 saw a change from urban life to one of rural ministry. The family moved to Little Glemham in Suffolk, north of Ipswich, where they lived in a huge Georgian rectory. This was when Christopher's prowess for all things practical and some eccentricity

showed its true form. From keeping goats to using his crack-shot training, we were rarely short of milk or the taste of pigeon pie or rabbit stew. During the snowy winter of 1967, the sixth family member, Peter, arrived. Christopher had his hands full looking after the growing family and two churches. They often looked back with affection on the time at Glemham, and when something happened to make them recall a similar incident, they often used the immortal phrase 'shades of Glemham'.

In 1972, the family moved again, this time to Stowlangtoft and another Georgian rectory, and then to Badwell Ash once the new brick rectory was complete. Christopher took charge of five parishes, which was an unusually large number in those days but is no longer remarkable. Sundays were chaotic as he scuttled between churches unaided by additional help, so it was not uncommon to have an 8am, 9.15, 10.30, 11.30 and 3.30 or 6pm services. Despite juggling all the church needs, he found time to organise a young people's music group and village events such as fetes and bonfire nights, and to chair the governors of the village school at Badwell Ash. He also took a leading role in setting up a night shelter for the homeless in Bury St Edmunds and in organising an extensive newspaper collection system to recycle newspapers and sell them for funds.

Following the death of his mother in 1976, Christopher was able to rekindle his love of the sea and sailing. He dipped his toe in the water (if you'll excuse the pun) by purchasing a small dinghy, which he named *Leffy* after his mother, while on a holiday on Mersea Island in Essex. The family got the bug for sailing in that long hot summer. He was in his element, teaching his children the rudiments of seamanship. Over the next few years, he bought a beautiful Norwegian yole called *Eel*, and then a more sedate Drascombe lugger named *Tethys*, a Greek goddess of the sea. For many happy years Christopher and Jane went sailing and cruising in various parts of the UK. The Badwell Ash years saw our family grow up and start the inevitable moves away. He was proud to see Jonathan follow in his footsteps at Emmanuel College in 1980.

In 1982, he made his final ministerial move, lasting until retirement in 1999, and headed to Trimley St Martin and St Mary, with the Suffolk coast conveniently near for sailing. This was a time of change and Christopher, the ever forward-looking person, grasped the importance of the advent of personal computers. We are told that he became the first vicar, in the diocese at least, to own and harness the power of desktop computing. It certainly transformed the use of typewriters and replaced the smell of printing ink and Gestetner duplicators for producing parish magazines and service sheets. Never one to sit down and just get on with his immediate job in the parish, Christopher was a prime mover in a host of charitable activities in the Felixstowe area including Lunchbox (a lunchtime weekly hot meal for the lonely and recently widowed), fundraising for the church, and the Coastal Housing Action Group (CHAG) to house the homeless of the area. He actively encouraged joining different church streams together.

Through these years, outside church life, Christopher, the family man, saw his large family grow up with multiple weddings and the start of the upgrade from being just Dad to Grandad. There are too many to mention by name, but over the years from 1991, he became grandad to 15 grandchildren, of whom he was immensely proud. Trimley rectory was always a source of busy life, and family gatherings were just about possible, although even in that large house they were a bit of a squeeze.

In 1999, he formally handed over the keys of paid ministerial life, but he was not going to hand in the towel and have a quiet life away from the church. They moved two miles to Walton (between Trimley and Felixstowe), and he became a very active supporter of the ministry team there. To the family, there hardly seemed to be much change apart from the fact that he no longer ran the show and no longer had the responsibilities for it. In 2019 he was able to celebrate 60 years of active ministry, no mean achievement. Retirement enabled him to get involved in other things. He was secretary of the Felixstowe Allotment Association and the Felixstowe Seafront Gardens Association, and an amateur historian writing a history of Trimley and its churches: these activities certainly kept him out of Jane's hair. There were also the inevitable grandparental duties of visiting and enjoying his expanding family around the world, and over time he and Mum chalked up family visits to Italy, America and even Cyprus in earlier days.

In 2019, Christopher and Jane celebrated 60 years of marriage. They also became great-grandparents with the arrival of James. He ended his time as great grandad to three youngsters, including Lois and Ted in the last two years.

In 2020, they moved to Godmanchester to live near Ruth, which was not without its challenges. Given Christopher's acquisitorial tendencies they had a lot of stuff; downsizing was a challenge to him, especially as it meant the loss of his beloved garage workshop. Having been fairly frequent visitors to Ruth over the years, they were semi-familiar faces in church, so the move was far less traumatic than it might have been. The ready-made family of the church in Godmanchester welcomed them. He transferred his license to minister for the final time. Despite increasing ill health and the knowledge that his prostate cancer was now untreatable, Christopher, to his credit, kept up an active life in the ministry until September 2023. He died peacefully in his sleep on 15 March 2024.

This gallop through a long life, lived to the full in the way that he wanted, which involved so much more than has been related here, gives a glimpse into his nine decades. It has missed out so much: he was an accomplished artist, calligrapher, woodworker, musician, handyman, coastal sailor, friend to the friendless, advocate of the unheard, helper and counsellor of those struggling with all sorts of life problems, and generous to others with his time and his home.

JAMES PATRICK GILMER MORLAND (1954) died on 20 May 2023. We have received the following obituary from his family:

James Patrick Gilmer Morland was born in Street on 17 March 1933 to parents Christopher and Pauline. He was known by all as Pat, a name his mother was quite clear had absolutely nothing to do with his birthday coinciding with St Patrick's day, a claim that I'm not sure anyone believed!

Childhood holidays were often spent at Sandbanks with his two older sisters, Jean and Mary, where his parents had a house. Many hours were spent on his father's yacht, and a love for sailing and the sea was born.

In 1944 the family moved out of Street to Huckham Farm, where Pat was lucky enough to live for the rest of his life. I used to enjoy his stories from wartime very much, listening to him recount watching from the factory tower with his father the Luftwaffe flying over Glastonbury and Street on their way to bombing Bristol. One story often retold was the overheard conversation among a group of American GIs discussing their Friday night dance. His favourite line from one of the GIs was 'I've got ants in my pants and I can't dance!' followed by roars of laughter! I'm sure he enjoyed it so much because it allowed a good excuse to attempt the accent!

Until the age of nine he went to school in Street, before being sent to board at a Quaker school in Sidcot. After that, at 13, he was packed off north to board at Bootham in York. It was here that he met Alan Marr, the older brother of his future wife Josephine. Pat was occasionally mischievous at school and was labelled a 'problem child': lighting fires under the floorboards was just the tip of the iceberg, all much to the amusement of Alan.

He must have done some work, however, as he gained a place at Emmanuel College to study engineering. Pat took a lot of pride in wearing his Emmanuel College tie; he said it was always a good conversation starter at social events. The tie said, 'Approach at your peril, I am part of the academic elite', to anyone daring enough to challenge his intellect! Jo used to call him the 'walking encyclopaedia'. Such was his knowledge on a vast array of subjects that Google was an unnecessary commodity when Pat was there.

Prior to taking up his place at Cambridge he did National Service, serving time in Egypt, occasionally finding himself in quite hairy situations.

Following Emmanuel he spent three months in Manchester doing a time-and-motion study course before joining the Morland's family business in Glastonbury, manufacturers of sheepskin products such as jackets, boots and slippers. In 1958 his father died, meaning that Pat, at just the age of 25, quickly took on more responsibility at the factory as well as in managing the farm and assisting his mother with her affairs. He also replaced his father as trustee of the Chalet youth hostel on Street Hill, a position he held for the rest of his life.

In 1957 he married Jo at Canford Cliffs near Sandbanks. They were given a plot of land at Huckham Farm, on which they built a house they called Canford.

Between 1959 and 1964 Pat and Jo had four children, Caroline, Paul, Neil and Joanna. Four children in five years: crazy! Through this time, he continued sailing when time allowed, playing hockey for the Morland's team and taking the family on holiday to Switzerland, Sandbanks and Scotland. The trips to Granny Morland's house, Briarlands, in Scotland made him famous for his open-fire picnics and cold-water swimming. He would row the children, dressed in oilskins, across the lochs in a small dinghy before lighting a fire, no matter how damp the wood that had been scavenged. Joanna recalls that anyone who didn't want to swim in the cold rivers would be picked up and thrown in by Pat with a cheeky smile on his face, the victim in question nearly always emerging laughing.

The factory closed in 1982, but with that he became more actively involved in the farm, at one stage milking 100 Friesian Holsteins through a six-berth parallel parlour. Speed and efficiency were clearly not the priority!

Following a cabinet-making course, he set up a carpentry workshop in a downstairs room of the house, which later moved into the garage as he acquired more machinery and as Jo's patience for the noise and copious amounts of dust diminished. He made lots of wonderful pieces for friends and family, from dining room sets to beds, shelves, cupboards and even sideboards with secret compartments. One story that stands out and sums him up well involved making wooden bowls on the lathe. He had started to get it going when the metal gouge jumped off a knot in the wood and proceeded to impale his hand. He stopped the lathe, looked at the hole in his hand in a matter-of-fact way, proceeded to wrap a piece of masking tape over the cut before calmly restarting the lathe. Masking tape had lots of uses from gluing pieces of wood together to repairing flesh wounds, it would seem.

Many of his pieces derived from trees cut down on the farm or from wood sourced from interesting places. He built their dining room set from choir pews sourced from the deconsecrated church at Gare Hill, combined with farm trees and bog oak dug from the moor.

In the 1980s he rediscovered sailing, buying a boat with two friends, Frank Campbell and Brian Forsey. Along with their wives they had several trips to Ireland and France and would occasionally compete in races in the Channel. It was in the Channel that Pat recalled an exceedingly close miss with a gigantic tanker. Never had they come so close to a catastrophic collision while all the others on board slept peacefully in their cabin: this was an experience he wished never to repeat. During these years he and Jo would spend many days exploring the West Country by bike, cycling to various pubs on twisting country lanes. They even had a few cycling holidays in France with friends, where they could keep their French linguistic skills sharp.

It was in the '80s that he joined the local Scottish country dancing club and each Tuesday evening he would don his kilt. He later became the club's treasurer. So keen he was that, when planning my mother Caroline's wedding, he had to be reminded by Jo that it was in fact a wedding and not a Scottish dance that was taking place. However, we all know that it's the dance that makes or breaks a wedding!

In the '90s he utilised his extensive practical skills by helping his children in their first homes: renovating, building cupboards, staircases and fences. Grandchildren soon followed. He derived tremendous enjoyment from doing activities with them and watching them develop. Target shooting and beautifully crafted bows and arrows are just two of my fondest memories.

He enjoyed listening to classical music, either on vinyl or live. He and Jo organised and hosted many concert parties, as they called them, attending concerts all around the local area. He was an accomplished cook, whether it was in the tiny galley on the boat or rustling up a curry at home. Apparently, he would cook delicious Indian dishes and serve them dressed in a sarong; any excuse not to wear trousers!

At the age of 70 he obtained two springer spaniels and a labrador. He was a soft touch and quietly enjoyed having the spaniels on the chair with him in the sitting room in their later years. With the dogs he rekindled his enjoyment of shooting and ran a small syndicate at Huckham Farm, ably assisted by his good friend Bunny, whom he liked to refer to as his gamekeeper! I am fairly sure he ran the cheapest shoot in the country, even though the bag was never big and the days could be slightly chaotic. He loved that he could help people fulfil their passion and that the farm became a social venue. There was never any shortage of banter; many stories certainly cannot be repeated here!

In 2016 he lost Jo, but continued to attend concerts. He very much enjoyed watching his grandchildren star in performances at Millfield School and would talk enthusiastically about the intricacies of the music afterwards. His adventures were trips to visit friends and family in Denmark and America. At home the 11 o'clock coffee 'parties' would take place nearly daily. These offered an exceedingly strong brew and a selection of homemade cakes. His parkin was legendary, although the time he replaced oats with quinoa was an interesting decision!

He could make some rather hard and cruel comments, but I think I can speak for us all when I say he will be remembered with tremendous fondness. He was intelligent, open-minded and always receptive of other opinions and ideas: just make sure you had all the facts before entering into a debate! He was remarkably good with new technology, and even though he might never have mastered WhatsApp, he did purchase an air fryer at the age of 90! He was stoic and solid mentally with an excellent sense of humour; teasing Jo was one of his favourite pastimes. He could come out with some exceedingly witty comments that would have all around in stitches, often at times when it was just what was required.

He very rarely complained. Recently, on being asked why, he replied that he had much to be thankful for and recognised how lucky he had been in his life. His children unanimously agree that he made life easy for them by being totally undemanding and never feeling sorry for himself.

I feel incredibly lucky to have had Pat as my grandfather, but more than that as a wonderful friend. I have so many precious memories with him, and you all here will have your own unique and special moments that you shared. These will never leave us. Thanks Pat.



JOHN CHRISTOPHER THURNER (1955) died on 13 June 2023. We have received the following obituary, written by his daughter, Luisa Barningham, and Oliver Edwards, editor of the TVR car magazine, with contributions from friends, Dave Garside (1957) and Phillip Linsley:

John was born in Putney, London, in 1936, the second son of Walter and Dorothy Thurner. Walter, an engineer, was the son of an engineer. John went to Oundle School, noted for engineering, as had his father and brother Mike. He was a skilled engineer and recalled a talk from Raymond Mays at Oundle. At the end of the talk, Mays asked whether anyone wished to come to see the BRMs at their test base at Folkingham airfield, and the young Thurner was hooked. From 1955 to 1958 he read mechanical sciences at Emmanuel College.

On graduation he joined the motor car division of Rolls-Royce in Crewe. He became a TVR customer, owning an early TVR Grantura Mark I, which he raced at circuits such as Oulton Park, Aintree, Goodwood, Silverstone, Thornaby, Rufforth, Catterick, Snetterton and Charterhall.

In November 1959 he joined TVR as a director with the title of technical director, overseeing design and development with the intention to improve the Grantura by designing more sophisticated and bespoke components. John was also part of the ill-fated TVR team at Le Mans in 1962.

From 1961, John began designing a new chassis to replace the one designed by Trevor Wilkinson. Finally launched in spring 1962, the new chassis stuck to Trevor's layout but had far greater rigidity and strength on account of better triangulation. The Thurner chassis was around 20lbs heavier than the Wilkinson chassis, with its additional bracing tubes, and the main chassis rails were spaced wider apart, creating the wider and taller transmission tunnel that all later TVRs have become known for. Complete with a front anti-roll bar, here was a TVR that could compete with any sports car in the 1960s.

Initially designed for the Grantura Mark III, the chassis was used for the larger engined MGB, engined 1800S and early Vixen, and was then stretched for the V8-

engined Trident and the Vixen S2 and S3. A measure of its quality of engineering is that it required little alteration for the adoption of 4.7 litre Ford V8 power in the Griffith and Tuscan, as well as the Ford 3 litre engine in the Tuscan V6.

Possibly the most amazing aspect is that the Thurner chassis originally designed for a 90 bhp MG coped fine in the Tuscan V8SE, with a Boss Mustang 5 litre Ford engine producing in excess of 300bhp.

The Griffith V8 racing cars, so successful in historic racing today, are all sitting on what is effectively the same chassis that John Thurner designed in early 1963, now producing power that would have been unimaginable to him when he began to design his chassis in the early 1960s.

John left financially unstable TVR and returned to Rolls-Royce. There he met Dave Garside, who coincidentally had joined the motor car division of Rolls-Royce in Crewe after leaving Emmanuel College himself.

David had found a large house, with large grounds including a tennis court, in nearby Sandbach. He suggested to John along with two other friends that they rent it.

After a couple of weeks David saw that John had used his Emmanuel rowing oar as a lamp stand and put it in the lounge. He asked John what right he had to use that oar! Only then did they realise that they had both read mechanical sciences at Emmanuel but had never met: David had done National Service, whereas John had not. Maybe today, with all the new social meeting places inside the Emma grounds, plus all the undergraduates now having a full three years in college, things would be different.

On his return to Rolls-Royce, John was involved in the development of a multifuel engine, which powered the British Army's tracked personnel carrier among other vehicles. John played a big part in raising the standard engine's power output from 215 to over 750 bhp.

John's ambition was to run his own business and in 1970-71 he bought into a heating company and moved to Kent, only to discover that the books were cooked. John sued and won, and then trained as a chartered accountant. Eventually he found several small businesses to buy in which he could use his skills. These included Hulme Martin and Tavak, which made specialist machines for the heat sealing of plastics, and Fox Engineering, which specialised in making small metal parts with high precision machines.

In 1976 John met Wendy and two years later they married. They had two children, Luisa in 1979 and Peter in 1981. They grew up in Fulham until the family moved to Cobham, Surrey, in the late 1980s.

John remained a keen sportsman his whole life, loving skiing, sailing, golf and tennis. He also enjoyed travelling, especially after his retirement. He always kept a close eye on motor sports, attending Goodwood whenever he could and also always watching the F1 Grand Prix.

John Thurner was predeceased by his wife Wendy, and leaves behind his children Luisa and Peter and four grandchildren, Oliver, Thomas, Ted and Matilda, who all miss him dearly.



SIMON JAMES DAY CBE (1956) died on 12 January 2024. The editors write:

Sir Simon Day came to Emmanuel from South Devon Technical College to read history after National Service in the Royal Navy from 1954 to 1956. After graduation he returned to Devon to farm and to pursue a career as a businessman and local politician. He served as a member of Devon county council from 1964 to 2013 and leader of the council from 1991 to 1993. He was knighted in 1997.

In the 1966 general election he stood as the Conservative candidate in Carmarthen, where he came fourth with 5338 votes. Lady Megan Lloyd George held the seat for Labour, but died soon after. In the ensuing by-election the Conservative vote halved and Gwynfor Evans was returned as Plaid Cymru's first MP. In 1970 he stood against the Liberal John Pardoe in the marginal North Cornwall constituency and lost by only 630 votes.

On Devon county council he became the Conservative whip in 1981, deputy leader in 1989 and its leader in 1991.

One of his first acts in 1989, when the Tories regained control, was to defend the re-introduction of first-class rail travel for official business and waitress service in the members' restaurant. He said: 'It is important if one is going to meet a secretary of state to travel and discuss matters with chief officers about the meeting ahead. First class is more suitable for this purpose.'

He was chair of the local police authority, Conservative leader of the Association of County Councils and chair of its police committee. His experience of policing led him to write to *The Spectator* in 2015 during the 'plebgate' affair over police in Downing Street: 'Charles Moore refers to "fat unshaven policemen" at the gates. I believe that one in five serving officers in the national force is not fit to carry out his duties and gets pushed into jobs such as protecting Downing Street. The Commissioner, Sir Bernard Hogan-Howe, should ensure that fit and intelligent officers guard No 10.'

Day was also active in public life more widely, chairing the Devon and Cornwall development bureau and acting as vice-chairman of the National Parks Committee for England and Wales. From 2006 to 2013 he was vice-chairman of the UK delegation to the EU's committee of regions. In 2008–09 he chaired the Southwest Regional Assembly.

His business interests in the region included chairing West of England Newspapers and being a director of Plymouth Sound Radio and of Exeter International Airport. In 1980 he formed the West Country Television consortium that narrowly failed to win the regional ITV franchise.

He was president of the Devon county show, chair of the governors of Bicton College of Agriculture, and a member of the court of Exeter University. In 1999–2000 he was high sheriff of Devon.

In 2000 he appeared in the national media when he sued Agnews, the London art dealers, over their £660,000 valuation of a painting attributed to Constable, which on closer examination turned out to be a copy of an engraving in the Victoria and Albert Museum, worth at most a few hundred pounds. The case was settled before coming to court.

Day enjoyed the company of a wide range of friends, among them his contemporary from Cambridge days, the former defence secretary Sir John Nott, and the poet laureate Ted Hughes. They regularly fished the rivers of the West Country and Scotland. He was also a keen sailor, and with his fellow Devon landowner Lord Clinton he bought and shared for many years a Fairey Swordsman, *Apollyon*.

Other close friends included Michael (Lord) Heseltine, who first met Day in 1965. 'He was always amiable, friendly and courteous and very good on subjects if they interested him,' Lord Heseltine recalled. 'From that time I shot with him once a year and he was a true friend of the West Country and its countryside.'

A full obituary was published in *The Daily Telegraph* on 17 January 2024.



GEOFFREY EDWIN MOUNTFIELD (1956) died on 31 March 2024. The following obituary appeared in *The Scarborough News*:

Geoff was principal of Scarborough Sixth Form College from 1983 until his retirement in 1994. Formerly a teacher of English and vice principal of Huddersfield New College, he spent the whole of his working life in education after leaving Emmanuel College Cambridge in 1960.

For many years he also worked as the chief examiner for O-level English language for the Joint Matriculation Board and was involved in the national work to develop the GCSE exam in English.

Well known in Scarborough, he was a member of Scarborough Cavaliers Rotary Club, spent a number of years as a non-executive director on the board of Scarborough Hospital prior to its merger and was a valued lay adviser to the Yorkshire deanery (who oversee the education of doctors in training).

His love of the theatre lasted all his life, and he was a board member of the Stephen Joseph Scarborough Theatre Trust for many years. As a younger man he also produced and starred in many theatre productions himself.

He was also a keen supporter of the National Youth Choir and sat on their board for a number of years as a non-executive director and enjoyed many of their concerts.

Geoff was a keen cyclist and even in his eighties was cycling more than 1000 miles a year with friends and the Scarborough U3A. He also took to the saddle with former members of the University of Cambridge Cycling Club, with whom he had reconnected at a Cambridge reunion. Over many years these friends, the Cuccolds (Cambridge University Cycling Club Oldies) met for cycling holidays in this country and France, and this continues.

The group of friends he made at Emma remained close throughout his life, meeting at least annually with their wives and partners, latterly for walking holidays in the UK.

A devoted family man, he enjoyed worldwide travel accompanied by his wife Jean, and was a well-known connoisseur and lover of wine.

He leaves his wife Jean, daughters Jane [Richardson, 1979] and Joe, grandchildren James, Joshua, Bethany and Matthew, and great grandchildren Joseph and Lawrence.

Geoff was above all a kind, considerate, caring and supportive man who was a role model and mentor to many people who had the privilege of knowing him. He will be sorely missed by all who knew and loved him.

© *The Scarborough News*

ROBERT GEORGE PHILLIPS (1956) died on 8 September 2020. We reproduce here an obituary compiled by his son Greg and by fellow crew member Martin Fieldhouse (1955):

Robert Phillips was born in Nottingham in 1937. When ten years old in 1947, his family migrated to Southern Rhodesia, where his father worked as a qualified printer-typesetter for a newspaper. He came back to England after high school in Southern Rhodesia. He spent a gap year working for an engineering firm in the north of Scotland building hydro dams before entering Emmanuel to study civil engineering. A highlight of his stay was winning his oar as number 7 in the May 1958 Gentlemen's Boat.

After completing his studies, Robert returned to Southern Rhodesia in 1959 and commenced his career with the government roads department. In October that year, he married my mother, Geraldine, who had flown out to join him, the two having met in the UK through mutual friends. Robert and Geraldine had two sons, born in 1960 and 1962, of whom I am the younger.

The 1960s were a good time for Robert. His job was interesting and he had a group of colleagues who were highly competent, professional and held in high esteem. He had the satisfaction of feeling that they were building something worthwhile: those were still the days, and this was still an outpost, of the now anachronistic ideals of

'British civilisation' in Africa. Robert worked on road building, with projects in the west of Rhodesia near Bulawayo and Hwange and later in the east, based in Umtali (now Mutare) near the Mozambique border. The oar always hung in a position of honour above the mantelpiece of the various homes we lived in.

Around 1969 the family moved to Salisbury (now Harare), the capital of Rhodesia as it was in those days. Robert and his family continued to live there until 1982. During this period, he continued his career in the roads department, and his children completed high school and went abroad to universities in the UK and USA. The 1970s were years of disruption and turmoil as a bush war erupted and raged throughout the decade, culminating in the end of white colonial settler rule and the transition to the new state of Zimbabwe with its leader, Robert Mugabe. During this time my father received, and recovered from, a serious bullet wound, that occurred when he and his entourage were ambushed while undertaking his civil duties, inspecting a damaged bridge, in the war zone. Robert was decorated an Officer of the Legion of Merit for his dedication to his duties during the war years.

In 1982 Robert and Geraldine migrated to Australia and settled in Alice Springs. The Northern Territory had recently acquired statehood and there was an expansion of roads and infrastructure. Robert's skills and experience were in demand. He continued to work for the Northern Territory government until 1993. All this time the oar continued to be proudly displayed in every home Robert and Geraldine occupied, mostly in Alice Springs but also during stints in Darwin and Tennant Creek. The Northern Territory was a good place to live in those days, and they were happy there. My mother resumed her lifelong interest in art, and produced numerous paintings and sculptures to decorate and fill their homes.

In 1993 Robert and Geraldine retired to Tasmania and a very pleasant life. They were active with local arts groups and travelled abroad every year or so. They typically would spend six weeks away and miss the Tasmanian winter, spending a week in Cape Town with Robert's sister and her family, three weeks in Massachusetts with my brother and his family, and about a week visiting friends and family in the UK, with stopovers in various European capitals to take in the atmosphere, the art galleries and the museums. I have also lived in Tasmania since 1993 and spent a lot of time with my parents. Mum died in 2013. I spent a lot of time with Robert in his last few years.

PAUL HARDING RUTHERFORD (1956) died on 13 October 2023. We reproduce here the following obituary published on Legacy.com:

Paul Harding Rutherford, 85, passed away peacefully on 13 October 2023, at the Riverwoods retirement community in Exeter, New Hampshire. He had been a resident of Princeton for 45 years before moving to New Hampshire in 2010.

Paul was born on 22 January 1938 in Yorkshire, England, the son of Joseph William Rutherford and the former Annie Harding. After his family was required to move early in the Second World War, he attended the Royal Grammar School, Newcastle upon Tyne. He won a scholarship to Emmanuel College, Cambridge University, where he earned a BA in 1959, receiving first-class honours in the mathematical tripos. He remained at Cambridge for graduate work and completed a PhD in 1962. After postdoctoral appointments at Princeton (1962–63) and the UK's Culham Laboratory (1963–65), he returned to the United States as an immigrant in 1965 to join the research staff at the Princeton plasma physics laboratory, where he remained for his entire subsequent career, serving as associate director for research from 1980 to 1995. His research was in the theory of fully ionised plasmas in strong magnetic fields and was supported as part of the quest for a controlled thermonuclear fusion reactor.

Paul met his future wife, the former Audrey J Irvine, in Newcastle upon Tyne, and she accompanied him first to Cambridge for the completion of his graduate work and subsequently to Princeton. The Rutherfords became United States citizens in 1976.

Paul taught courses in plasma physics at Princeton University, and co-authored with Robert J Goldston a graduate text, *Introduction to Plasma Physics*, published in 1995. He was the recipient of the US Department of Energy's E O Lawrence Memorial Award for physics in 1983, with a citation for contributions to the basic theory of plasma confinement and to the toroidal fusion reactor concept.

Throughout his career, he had always been prominently involved in the international aspects of fusion research. In 1992, he was appointed chair of the technical advisory committee for the design phase of the international thermonuclear experimental reactor (ITER), and he continued in that role from 1992 to 1998. The ITER is presently under construction at Cadarache in the south of France.

Having been an active member of Nassau Presbyterian Church in Princeton, he was equally active in the Congregational Church in Exeter.

In addition to his loving wife of 64 years, Paul is survived by daughters Andrea Christine Rutherford of Andover, Massachusetts, and Julia Irvine Rutherford, of North Andover, Massachusetts, and by two grandchildren, Alexander McClintick and Samantha Trombly.



JOHN RODERICK YARNELL (1956) died on 2 January 2024 at the age of 85. We have received the following obituary from his daughter Dr Stephanie Yarnell:

Rod was a family man, a gentleman, a man who was passionate about science, especially physics, and education, and a man who valued fairness and hard work. He and Jean shared a wide circle of friends whose tributes at his funeral remembered his sharp sense of humour, broad smile, love of people and curiosity for the world.

Rod was born in Leicester in 1938, the only son of Reginald and Gladys (née Fernyhough). While attending Dixie Grammar School in Market Bosworth, his headmaster encouraged him to apply for Oxbridge. He chose Cambridge and was awarded a state scholarship to read natural sciences including physics at Emmanuel College, matriculating in 1956. He regarded this as a great honour and fully embraced university life. Along with his studies he took part in the judo club, achieving a Half Blue competing against Oxford. Then there was rowing, punting on the Cam and building lifelong friendships during the after-dinner coffee debates with other students, later forming The Emma Group, which still meets annually.

Summer vacations were spent on holiday and working in various jobs, notably as a porter at Leicester railway station, selling ice cream from a van and, interestingly, working in a community project for the homeless in Paris, which was ahead of its time. He hitchhiked around France with friends he had known since schooldays, making use of cars, lorries and even a freight plane, while staying in youth hostels.

After leaving Cambridge, Rod decided to pursue a career in teaching and did his PGCE year at Nottingham University. His first teaching role was at Borehamwood Grammar School in Hertfordshire, where some of the kids could be challenging for a newly qualified teacher. He often said his confidence 'was only as good as his last lesson'. He helped to supervise three school trips taking students skiing and walking in the Alps.

During this time, he met Jean on a holiday in Spain organised by a mutual friend. They married in 1964. They were living in a flat on Haverstock Hill, Hampstead, but came to realise that property prices in London were out of reach of a teacher's salary. He was asked to attend an interview at Bilborough Grammar School (later College) in Nottingham, and was appointed by the City Council Education Department in September 1964. He taught physics, but later became head of department for physics, overseeing the introduction of nuclear and quantum physics into the curriculum, a task that required a lot of study on his part.

Rod was very happy at Bilborough: he was extremely dedicated to his role and enjoyed helping students to reach their full potential. As a result, he was popular with his students, winning them over with his wit, sense of fairness and passion for the

subject, with an ability to explain the most complex concepts. Several of his students stayed in touch, visited or contacted him and Jean regularly, attended his funeral and paid tribute to how his tuition had influenced their careers.

For Rod, Bilborough held many great memories of staffroom banter, camaraderie and the lifelong friendships that have resulted. He was a member of the walking group who still meet, albeit less often with advancing years.

As a consummate Cambridge man, Rod maintained his links with the Cambridge examining board, doing A-level marking in order to supplement his wage for about eight years from 1966. Latterly he became a head examiner and was involved in setting examination questions in nuclear and particle physics, which he enjoyed doing well into retirement. He particularly enjoyed travelling back to Cambridge to attend examiners' meetings, while he and Jean enjoyed attending regular events hosted by Emmanuel College and the university.

Cars were always a big part of Rod's life, from the first £5 Austin 7 with no brakes, through two Cortinas, a Renault 12 and later to the long awaited and cherished Jaguars! He was gifted practically, able to fix most things when the tools allowed and when engines were not computerised. He also loved doing sport, jogged long before it was fashionable, played badminton, and especially loved hill walking in the Lake District and Derbyshire.

He was lucky enough to have his three grandchildren nearby throughout his retirement. He and Jean looked after them as young children and then took great pleasure in sharing his passion for learning, helping them to study physics and build models when they were older.

Having had nearly 25 years of healthy retirement, he had some health struggles over the last few years. He was cared for at home by Jean, supported by his daughters Stephanie and Nicola. He never lost his smile and was still able to enjoy seeing all his family and friends, who kindly visited to offer support to him and Jean, which was much appreciated. He is greatly missed but the knowledge of his happy and fulfilled life is a comfort.



JAMES WILLIAM ARCHER (1957) died on 22 February 2024. We have received the following obituary from his brother, Richard (1961):

James was the eldest of four children of Reg and Dorothy Archer, born in September 1938 in Pontefract, Yorkshire. His father was then a senior executive in a local colliery company and his mother was the daughter of a local GP.

He was brought up in Ackworth near Pontefract, where his parents had a large garden with sundry animals. From

an early age James had an interest in growing vegetables and plants, a love that he retained throughout his life. His parents allocated to him a section of the garden, on which he exercised his skills of husbandry.

At the age of eight he went to a Dickensian prep school in Scarborough, where he started every day with cold baths before breakfast, and there was pressure to achieve both academically and in the sporting field. He survived this period of his life and went on to Rugby, where he thrived. Throughout his school years he was someone who took part in many activities, and appeared to have many friends and no enemies. He was a first-class sportsman, getting to the first teams at various sports. There were family holidays in France, Italy and Austria in the mid-1950s.

James missed National Service on account of a period of ill health in his last years at Rugby. However, despite the encouragement of his father to study law, his love of growing things ended up in his applying to Emmanuel and getting a place to study agriculture.

James' time at Emmanuel was a happy one, when he enjoyed his studies under the highly respected John Nix and was very much involved in college life, being a more than competent rugby player and an able member of the rowing club. As an undergraduate studying agriculture, he was allowed the luxury of a car. During his time at Emmanuel he became friends with Roger Gilbert, John Lawrence and Robert Moore, with whom he later remained in contact. He retained a great affection for Emmanuel, as was evidenced by his regular returns to the college over the following years and his purchase of Emmanuel memorabilia. He was a regular attender at members' events: he attended his last members' Gathering in September 2022, on which occasion he was talking about going to the next Gathering for his generation in ten years' time.

After coming down from Cambridge, James spent some time in Denmark and worked for about two years for a farmer near Goole to gain practical experience. James did not come from a farming family, but in 1963 a bachelor farmer in North Yorkshire decided to retire at age 80 and Southfield Farm, an arable farm, was bought, where he lived the whole of the rest of his life. Life was a struggle to begin with, as he started with a very antiquated farmhouse and old equipment and had to pay the outstanding moneys due to the retired farmer, but through hard work and tenacity he built up a successful farming business and paid off his predecessor.

James carried on farming the land until he was well into his sixties, at which stage he retired from full-time farming and let most of the land. He still retained some land, on which he grew about five acres of asparagus, doing all the manual work, virtually without any assistance, right up to the last year of his life.

At a wedding in 1970 James met Maggie, a teacher at the Cordon Bleu cookery school, and they married in 1972. It was a very happy and successful marriage and they had two children, Catherine and Andrew. Southfield Farm, adjoining the A1 and virtually halfway between London and Edinburgh, was always a very welcoming place. James and Maggie were friendly and extremely generous hosts.

In his early years James played rugby and hockey at club level. For many years he would go skiing in Austria, Italy and France. After a few years he was doing the black runs and was in the top skiing class.

In his 40s he became a very competent runner and was for many years the chairman of Ripon Runners. Latterly he was very keen on bowls. With his wife Maggie he organised and ran for 25 years a 10k run, which was a popular part of the local runners' summer calendar. He took part in many races in the UK and abroad, including the Zermatt run. He was involved as a race adjudicator right up to the year before his death.

In 2012 James volunteered to assist at the paralympic games in London. For some reason he ended up doing double shifts, but he coped manfully despite then being in his mid-70s. As a people person, he enjoyed being involved with looking after competitors who had sundry disabilities.

James was a member of his local church council, and was also deeply involved in and committed to the nearby village of Rainton, where he helped to save the village hall. James also raised money to protect the village from the nearby construction of a lorry park. He involved himself in the work of the local scout pack, drainage board, bowling club and gardening club. He was at the centre of the local community.

Apart from his farming and community activities, James and his family spent some time in recent years travelling abroad. He had a great interest in the world in general and was extremely well read and informed.

On Father's Day 2023 James was taken ill. It was rapidly discovered that, despite his being a healthy eater and a nonsmoker, he had incurable lung cancer. For someone so active and positive about living, this was difficult. After a very unhappy time in hospital he returned home in August 2023 where, with good care from district nurses and the support of a caring wife and his children, he survived for six months. He was able to achieve his ambition of dying at the farm into which he had moved as a young man 61 years earlier.

A Celebration of Life service took place in March attended by over 200 people, an indication of the high esteem in which he was held.



RICHARD HENRY STEPHEN ORTIGER (1958) died on 27 January 2024. The following obituary was published in *The Diocese of East Anglia*:

Fr Stephen, aged 83 years, former abbot of Worth, Sussex, was widely known in Catholic circles and renowned for his wisdom and knowledge. Educated at Downside, he went on to study history at Emmanuel College, Cambridge.

He was active in the Cambridge University chaplaincy at Fisher House and became president of the university's student-run Catholic society.

From university he entered Worth as a novice, taking his religious name of Stephen. He was ordained a Benedictine priest in 1967 and taught in the abbey's secondary school, eventually becoming headmaster.

His links to East Anglia were rekindled when he became titular Abbot of St Edmund's Abbey, Bury St Edmunds. Local historian John Saunders explained, 'A titular abbot is one who holds the title of abbot derived from a destroyed or suppressed abbey. In this instance Abbot Stephen was offered the title of an ancient abbey and happily chose Bury St Edmunds. A man of humour, Abbot Stephen defined the difference between a ruling abbot and a titular abbot as the latter having no trouble with his monks! In this case the monks departed the town in 1539.'

Retiring as abbot in 2002, he returned to Fisher House in Cambridge before resuming his monastic life at Worth and becoming episcopal vicar for religious life in the Arundel & Brighton diocese. In 2020 he became priest in charge of Our Lady Star of the Sea in East Preston, West Sussex.

© The Diocese of East Anglia, 9 February 2024



MICHAEL KEITH TURNER (1958) died on 2 August 2023. We have received the following obituary from his son:

Emeritus Professor Michael Keith Turner, Emmanuel College alumnus and distinguished British biochemistry educator, sadly passed away on 2 August 2023, leaving behind him a legacy that profoundly impacted the scientific community.

Born on 16 February 1940 in Swadlincote, Derbyshire, he began his academic journey at Emmanuel College, where he earned his bachelor's degree with honours in 1961, followed by a doctorate of philosophy from the University of London in 1965.

Throughout his illustrious career, Michael made significant contributions to the field of biochemistry, notably in the realm of cephalosporin research and the containment of microorganisms in large-scale processes. Michael also served as a member of the advisory committee on genetic manipulation for the Health & Safety Executive Council in London from 1986 to 1987, showcasing his commitment to ensuring safe working practices within the field.

His professional journey led him to various roles, from serving as a science officer at Glaxo Group Research Ltd from 1967 to 1988, to later becoming a science consultant and manager at the Science & Engineering Research Council and the department of trade and industry.

In 1991, he assumed the prestigious position of professor in the department of chemical and biochemical engineering at University College London, where he continued to inspire future generations of scientists.

In addition to his academic and research endeavours, Michael was a dedicated family man. He married on 14 September 1963, and together they raised three children who have followed his academic lead into healthcare, engineering and risk management. His unwavering dedication to both his professional pursuits and his family exemplified his remarkable character and values. Michael's impact extended far beyond the laboratory, touching the lives of countless individuals through his mentorship, scholarship and leadership.

Michael's prolific career was marked by his commitment to innovation and excellence, as evidenced by his publications in professional journals. His work spanned decades, from his early days as a postdoctoral research fellow at the Graduate School of Public Health at the University of Pittsburgh to his later roles as a science consultant and manager.

As the founder and chief executive officer of Ensynthase Engineering Ltd in 1994, Michael's entrepreneurial spirit and vision propelled advancements in the field of biochemistry. His entrepreneurial endeavours showcased not only his intellectual prowess but also his ability to translate scientific discoveries into practical solutions with real-world impact.

Beyond his professional achievements, Michael's personal qualities endeared him to all who knew him. He was a compassionate mentor, guiding and inspiring countless students and colleagues throughout his career. His kindness, integrity and humility left a lasting impression on all who had the privilege of crossing paths with him.

In honouring Michael's life and legacy, we pay tribute to a remarkable individual whose contributions to science and education continue to resonate. His legacy serves as a beacon of inspiration for future generations of scientists and educators, reminding us all of the profound impact that one dedicated individual can have on the world. May his memory live on as a testament to the power of passion, perseverance and purpose.

JOHN HAROLD LEA (1959) died on 16 August 2023. His friend Richard Impey (1960) has sent the eulogy delivered by John's wife Kath at the funeral in Cahusac-sur-Vère:

John was born in 1937 in Liverpool. The Second World War, beginning two years later, would change his life. Giving birth to John's brother David in 1941, his mother became seriously ill. The wartime shortage of antibiotics resulted in her untimely death.

So John, now four, his father, and the newborn baby went to live with his mother's family. This was an unhappy period in their lives. After a few years John's father remarried and set up home with his new wife. Their stepsister, Vanessa, with whom they now have regular contact, was born later. John and David remained with their grandparents and their mother's two younger sisters. It was Joan, the youngest sister, who gave them the love they needed. She subsequently married and left the grandparents' home. There was never money to spare as John's grandfather ran a

mission, an unaffiliated nonconformist church. Although he was a popular preacher, there was no regular income apart from that made by the working sisters and money from John's father. It was soon discovered that John had a wonderful voice, and he frequently sang solos in the church: the reason, of course, that he knew all the words to 'Amazing Grace'.

It was at secondary school that John met Jack, who has shared his memories with me. They became friends at 12, a friendship that lasted until John's death. They shared many happy and exciting experiences together, including a school exchange trip to France, during which Jack probably saved John's life when John was so seasick crossing the Channel that Jack had to hold onto John's belt to prevent him from falling overboard. John excelled at school, where he became school captain, an English tradition of choosing the most outstanding pupil to fulfil this role. He was a very able athlete, playing football for the successful school team and also for Lancashire. Cricket too was a favourite, again playing for the school team. Yet another talent was acting: he played the lead role in the annual school play for four years.

Thus, John left school with a place at the prestigious University of Cambridge. However, first he had to complete two years of National Service in the army. He absolutely hated it. Because he was short and stocky, such was the inefficiency of the army that he did not receive a correctly fitting uniform for nearly two years. Thus, to his satisfaction he almost never had to go on parade. He said that it was just his luck that National Service for all young men ended during his second year.

He enjoyed his time at Cambridge studying history, but he had to find work every holiday to pay his university bills; it wasn't easy for him. He completed a teacher's qualification and then worked in several secondary schools. While teaching he completed a PhD, becoming Dr Lea. Later he taught degrees in history. His courses were always popular as his lectures were excellent, presented without hesitation in that warm, beguiling voice. After a year spent teaching at universities in Canada he returned to the UK. A little later his dearly loved daughter Jessica was born.

He decided at this stage that he would like to do something for the people of Liverpool. He was successfully elected as a councillor on Liverpool city council. However, John's ambition to do his best for the people he represented often led to arguments and disagreements with fellow councillors who did not always feel the same.

A few years later, John and I met and were married. He readily accepted my two children, who regard him as their second dad. Melanie, my daughter, still marvels at his patience with her during her rebellious teenage years! She well remembers the time he went to search for her in a city nightclub long after she was supposed to be home. He gave both my children the same love and care that he gave his own daughter. He advised them about school choices and future careers. They listened to him and took his advice. Melanie became a doctor and David a lawyer. Jessica chose her own way and is now a successful television scriptwriter. John was proud

of all three of them. He dearly loved his five grandchildren: Charlie, Heidi, Oscar, Holly and Daisy.

Rekindling his interest in cricket, John decided to be a cricket umpire. Being John, he took the training course and passed with flying colours. He was immediately asked to umpire for a successful local team, where he earned friendship and respect.

Despite these distractions, John was becoming rather disillusioned with his job. At this point fate intervened. The government decided to change the system of managing schools in England. John saw an opportunity for a challenge and change of career. He applied for and was chosen as the first school governor training officer in England. His job was in one of the largest local authorities in the country. When he started there was nothing in place. He created and managed a system of teams throughout Lancashire, where he became enormously respected and liked for his achievements. Members of his team continued to contact him 25 years later and often say he was the best boss they ever had.

When retirement loomed, we had to make big decisions. Having found Cahuzac-sur-Vère quite by chance in 1985, we came here every year since for our summer holidays: should we retire here? Finally, we decided, yes, we would do it! Without our dearest friends, Jean-Marie and Annie Calatayud, I am certain that we would not have succeeded. They found us the land and their then son-in-law Olivier designed and built our lovely house.

John told me recently that the happiest days of his life have been spent in Cahuzac. He loved the countryside, the quiet, the village and the wine. We wanted to integrate as much as possible so we joined the choir, where people came to love John's voice so much. We joined the walking group because we had loved walking the mountains in England. John loved writing, so he contributed an article for every edition of *Voix de Cahu*, starting in 2006. He did his best to keep it going and was very disappointed when it ceased publication. We were involved from the beginning with *Opéra Soleil*.

Having written short stories and books some years before, John decided to start writing again. His eight books are set in a fictitious French village. He also wrote a book about the fate of his grandfather in the First World War, having spent years researching what had happened to him. His oncologist enjoyed this one. All have been published on Amazon Kindle and as paperbacks.

Many friends, English and French, have mentioned his kindness, thoughtfulness and dry humour. Of course, at times he became downhearted and grumpy, but it wasn't long before he bounced back. There is a strand running through the whole of John's life. Despite a difficult beginning and many troubles along the way, he worked hard and made a success of everything he did. Much was achieved because he wanted to help others and to bring them pleasure. These are not a bad thing to be remembered for. I feel privileged to have been married to him.



JOHN MARTIN KIRBY LAING CBE (1960) died on 27 December 2023. We have received the following obituary from his friend, (James) Stuart Milner Morris (1960):

Martin Laing arrived at Emmanuel in 1960 direct from St Lawrence College, Ramsgate, following in the footsteps of his father Sir Kirby Laing, thus cementing a very supportive family link with the college, which was to be continued throughout his lifetime.

Personable, friendly and with an engaging personality, Martin immediately took to life at Emma. In addition to his studies within the estate management faculty, he proved himself to be a more-than-useful games player, contributing with distinction to the college hockey and tennis teams.

At the end of that first year there occurred an event that had long-term implications. A group of contemporaries in the college (Nicholas Halton, Charles Hope, Stuart Morris, David Price, Richard Stephenson, Dod Wainwright, Peter Young and Martin himself), wanting to repay hospitalities received, gave a party in Chapman's Garden, only to realise that there was nothing from which to serve the ever-so-potent brew that had been concocted. Tea pots were the only vessels available, and unsurprisingly the event became both memorable and rather messy! This 'mad hatter's tea party' marked the start of a remarkable, unbroken and greatly treasured friendship among the group that has endured some 63 years.

During the vacations there was the usual scramble for any temporary job that was both fun to try and some help in boosting the seemingly inadequate funds that came from the county grant. Harrods men's department offered an opportunity to sell ties and silk handkerchiefs at Christmas, and then a long summer of work on the West Coast of America culminated in a long hike to the bottom of the Grand Canyon (two hours down, six hours back up). On another occasion, when sneaking into the Salon Privé in Monte Carlo, Martin in a moment of inspired madness placed the last of the getting-home money on number 29. It came up – of course it did – allowing him to execute a tight U-turn in his little run-about Renault and head off for an extended summer stay in Italy! Those with him recovered from the tension and the trauma eventually!

Martin graduated in 1963 and moved into the family's civil engineering firm, John Laing Ltd, which had been founded by his grandfather. Experience-gaining positions in Yorkshire, Canada and the Middle East gave him time to marry Stephanie Worsdell, whom he'd met at Cambridge, and start a young family while establishing a series of warm and welcoming homes, notably Hunsdon House in Hertfordshire and Guist Hall in Norfolk. He became chairman of the company in 1985 and, with the construction of various motorways, the Severn Crossing, Sizewell B power station, the British Library, Coventry Cathedral, the Millennium Dome and Cardiff's Principality Stadium, Laing's

reputation had been well and truly enhanced. Along with other chairmen of major British companies he was often consulted by the government, and was also actively involved in such establishment organisations as the CBI, the World Economic Forum, the World Wild Fund for Nature, the Home Office parole review committee and the City of London Sinfonia. In 1997 Martin was knighted for his outstanding services to the construction industry, just as his father and grandfather had been.

However, the recession of the 1990s hit hard and, in spite of a slight recovery with raised dividends thanks to a move towards high tech activities, the company could not escape the difficulties of the economic climate. This led to the piecemeal sale of the company and to Martin's resignation. He always accepted responsibility for these events however much others were in fact culpable.

Martin always worked hard to stay in touch with friends and contemporaries in spite of the many challenges and responsibilities that he faced. However, he was never at his most comfortable on the golf course, his height and an ever-present cigar probably not helping much. For all that, he was much in demand as a buggy driver who characteristically always sustained essential supplies. His flat-out, full-speed approach to buggy driving did nothing for the nerves of the players who found themselves attempting to putt after yet another hair-raising dash down the fairways!

He and Stevie went to live in Malta, where their retirement was dominated by two undertakings to which Martin attached massive importance: chairing the John Laing Charitable Trust and the Save the Valletta Skyline Appeal. It rapidly became evident that both activities benefited hugely from his energetic commitment. The JLCT backs various projects, many worthy causes and charities too numerous to mention, and the way in which former employees are supported and cared for is very special and rare. Laing people are fondly remembered, financially assisted whenever necessary and invited to special events in a manner that precisely reflects the Christian ethic of the company's founder. John William Laing would be pleased to see how company folk are still being treated even after the demise of the family firm.

As for the Save the Valletta Skyline Appeal, as chairman Martin oversaw countless fundraising events and maintained the project's momentum. He was determined to see to the full restoration of the spire of St Paul's Anglican Pro-Cathedral, a key feature of Valletta's skyline and of Malta's historic culture. That the work was completed when the tenor sixth bell could be re-hung and tolled for the first time in 178 years at the culmination of Martin's service of thanksgiving was both entirely fitting and emotionally very moving.

He leaves Stevie, his wife of 58 years, their son Edward and daughter Alex, and a delightful gaggle of grandchildren.

JOHN CHARLES JOHNSON ORCHARD (1960) died in 2022 as reported in last year's *Magazine*. Andrew Fane (1968) writes:

John Orchard came up to Emmanuel in 1960 to read law. He had been schooled at Harrow and regarded his time in Emmanuel as one of happiness and success, and made many close and lifelong friends. There were a number of Fanes in the college at the time and John befriended them all. It was not an entire coincidence then that through them he met and later married Cynthia Maddocks, who was their cousin and happened thereby to be directly descended from the Founder, Sir Walter Mildmay. This delighted John, and their marriage was long and highly successful and gave them a son Alasdair and daughter Alexandra. Their children were central to a very strong marriage and have both produced grandchildren who were a source of joy to John and Cynthia.

John voluntarily enrolled in National Service in the Royal Navy. He then qualified as a solicitor in London but soon decided to move to Birmingham to practise, not least for the joys of living in the surrounding countryside. He became a partner with Pinsent & Co, now Pinsent Masons. His career was highly successful. He became managing partner, in which role he continued for the best part of 30 years, a testament to both his great managerial competence and also the respect in which he was held by his fellow partners. He retired at 60 and spent the next five years at Compton Verney, overseeing the second phase of that great restoration on behalf of Sir Peter Moores. He took great pride in tracing and bringing home the four missing sphinxes from the bridge to the great house. The deep personal interests in arts and history, which he had refined throughout his life, were a natural fit for the mansion, now an art gallery and exhibition and sculpture space known and loved across the Midlands and beyond. John had a significant hand not just in the completion of the restoration but also in the sensitivity of the detailing. He was again in his element.

John was a highly competent sportsman who could skilfully, if without fuss, put his hand to many diverse pastimes. He was adept at golf and squash, but also took in rackets and some real tennis. He was equally enthralled by fly fishing and shooting, and was never short of the energy to put in hard work in the law and then instantly to turn to enjoying one of his many sporting passions. And if he had any spare moments they were likely to be in the garden of his lovely Warwickshire home, which he not only designed but worked. He travelled extensively and took unusual and even adventurous trips where his interest would be architectural, archaeological and, for good measure, plant hunting. His life was literally full on. And let us not overlook his passion for music, playing both violin and piano.

In mid-life he would say that he got three things above all right in his life: his time in Emmanuel, his marriage to Cynthia and his decision to live in Honington in Warwickshire while he pursued his many passions and made his highly successful

career. He was by any measure a polymath and he never failed to deploy his innumerable talents.

He died of pancreatic cancer aged 82 after a short illness in his home with his family around him. He is buried in his beloved Honington and his family remain in his former home.



PHILIP CHARLES BROWN (1964) died on 30 August 2023, as reported in last year's *Magazine*. We reproduce here a eulogy sent to us by his friend, Melvyn Draper.

How we met: I first met Phil at one of the Friends of the National Railway Museum (FNRM) evening meetings, held at Kew Bridge Pumping Museum, in November 1993. When the meeting finished, I said I was going to Gunnersbury to catch the District and then Piccadilly line to King's Cross. Phil said he was going that way too. We got to King's Cross, and I said I was just in time to catch the Peterborough train from platform nine. Phil said, I'm after that too. As we got to Arlesey, Phil said next stop for me. I agreed, and at the top of the stairs we both turned right. Yes, it turned out we only lived a quarter of a mile from each other. For the next 30 years we spent many hours working as volunteers with the FNRM. But I'm jumping ahead.

Early life: Phil was born on 15 June 1946 at Wallsend on Tyne, but the family moved to Farnborough in the early 1950s. So he lost his Geordie accent early on. However, the aircraft at the nearby Royal Aircraft Establishment made an impression. Barbara tells me that he was always asking if they could go to a nearby level crossing to see the RAE's 'Little Train' go past. So it wasn't just an interest in the aeroplanes that he developed there.

The family then moved to Bedford in 1958, where he attended Bedford Modern School. This introduced him to another lifelong interest, rowing. He went up to Emmanuel College in 1964 for the mechanical sciences tripos, where he continued his rowing interest. He already had an interest in cars, which led him to join the University Automobile Club. But he found that the Officers Training Corps was more enjoyable, as they had more interesting vehicles and provided free fuel to drive them! On occasions he would turn up at home in Bedford with friends from the OTC, all in uniform and complete with army vehicles including the field gun. One night a neighbour came out to see what was happening and asked whether war had been declared!

Before the final year at Cambridge, he took a temporary job at the Royal Aircraft Establishment at Bedford. The summer was spent working on a guidance system for taxiing aircraft. As the typical university student does, he volunteered to test the

system by driving an instrumented van along a hairpin curved route round the airfield, with all the windows blanked out!

I suppose partly because he survived, he must have made an impression as, after graduating from Cambridge in 1968, he was offered a post at the Establishment's main site. So it was back to Farnborough!

Here he worked on aircraft instrumentation, including the early use of computer-driven display screens, which became his career specialism. This involved work on early prototypes of the Tornado and Concorde and also flight trials using the Establishment's De Havilland Comet.

In 1976, he got the call to move temporarily to the Ministry of Defence procurement executive headquarters in London to manage an airborne laser project. After a short period back at Farnborough he was permanently transferred to London, before being posted to the NATO Eurofighter management agency. This was based in Munich and involved three years of, in his words, 'frustrating international negotiations'. He returned to the MoD towards the end of the 1980s and it was at that time that he moved home to Biggleswade. Throughout the 1990s he worked on safety critical software and later in the Harrier support office, which migrated between London, Bristol and, ultimately, a more local RAF station, from where he retired.

His life wasn't all work though!

After work: All the travelling, by rail, road and air, had maintained his interest in transport. For example, during the years travelling between Farnborough and London, he and a fellow commuter spent their weekends working to restore a 1930s carriage on the Mid-Hants Railway for use by those in wheelchairs; sadly it was written off in a shunting accident. Also at Farnborough, his interest in rowing led to the other major impact on his life, as he met Rubina Curtis, a member of the civil service ladies rowing club. Their friendship blossomed and the two became companions at regattas and on holiday trips.

While in Germany, he would often go on summer caravan holidays in the Austrian and Swiss mountains, taking in the occasional narrow-gauge railway.

He owned two classic vehicles. One, a Triumph Dolomite, he bought new in April 1978, and it was used for many years to tow his caravan, until he upgraded to Land Rovers. His second, what he called 'Little Min', was a red 1978 Mini Clubman Estate, which he purchased in 1982. He still used this regularly in Biggleswade to do his shopping.

Retirement: Early retirement in 2006 meant even more time for classic cars, railways and caravanning, often all together. He was a regular attendee at local car rallies, with either his Mini or Dolomite. He organised many of the evening talks on railway matters and visits for the FNRM in the south of England. He visited sites throughout the country with his caravan, accompanied by Rubina. Of course, many of the sites had some local interest in the form of a preserved railway. I still remember the time

when he took his caravan to the Great Dorset Steam Fair, positioned by the side of the main arena while we were supporting the display of the NRM locomotive 'Winston Churchill'. Heavy rain meant the place was a quagmire, and the organiser's steam traction engine had great problems in delivering supplies to the stand adjacent to ours. It's the first time I've seen a traction engine travelling sideways down a hill, and heading straight towards us. Luckily the driver did regain control, but the bar tent next door never did get its supply of beer!

Retirement also provided a greater opportunity for involvement in church matters. Phil also volunteered to work on the archives at Emmanuel College, in particular the records of World War I alumni. This is work he really enjoyed, and partly explains why he moved from Biggleswade to a flat in Cambourne. He was working at the college right up to his death. [For a further appreciation of Phil Brown, see the archivist's report in *The Year in Review*.]



PETER SAM GILBERT (1968) died on 28 April 2024. We have received the following obituary from Robert Oxenburgh (Owen) (1967):

Peter himself sent most of this to me last January, when he guessed he didn't have long. Peter was born in 1950 into a medical family. His father was an inner-city GP in Newcastle upon Tyne and it was no surprise that Peter chose a medical career. After school at Repton he went up to Emmanuel to read the medical sciences tripos.

Besides studies, Peter enjoyed a wide social life, playing 'agricultural' soccer for the college fourth team under the aegis of the late Howard Oldham. Peter even tried his arms in a spectacularly unsuccessful sixth May boat, which was double bumped on three consecutive days. However, he played a good game of bridge and wasted much study time with this addiction.

In the third year of the medical sciences tripos, there was an option to study subjects unrelated to medicine and he decided on archaeology and anthropology. He spent part of a long vacation term assisting the dig at the Iron Age area of Bamburgh Castle in Northumberland under Professor Brian Hope Taylor.

He eschewed clinical studies at a London hospital, choosing Newcastle University medical school to be nearer his beloved Newcastle United. Eventually he graduated with a Cambridge medical degree. After house jobs and flirtations with chest medicine, cardiology and psychiatry, he joined the nascent Northumbria vocational scheme in general practice. Electives were spent studying haematology in Oklahoma and pathology in Israel.

Peter returned to Durham, where he met his wife Christine, a midwife and health visitor. After journeys through many specialties, he settled as a GP partner in Gateshead where, it should be noted, with a shared botanic expertise, he and wife Christine won Gateshead best garden.

Retiring for severe health reasons at aged 55 and after continued illness with spinal stenosis, immobility, chronic pain, pulmonary hypertension and later motor neurone disease, this Newcastle local hero faded away 28 April, 2024.

Peter leaves wife Christine and two sons and their families: Andrew, a GP, and wife Emma; and Edward, a Queens' alumnus, wife Danielle, and two grandsons Alfred and Rowan.

Christine reported that he wore a smile the day he died, the last Saturday in April, as the Magpies won five to one at home. At the end of his service of remembrance, 'Blaydon Races' was played, most appropriately. Even while at Emma, Peter managed a few profitable visits to Newmarket races, dragging me along once on a bus from behind North Court. Mostly I recall medic Peter putting me in stitches, as his profound wit regaled all on P staircase during 1969–70. 'Howay the Lads!' as a Geordie might say.



ANDREW GRAHAM RICE (1968) died on 6 February 2024. The following obituary appeared on the *Daily Maverick* website:

Ad legend Andy Rice, 72, who died on Tuesday after a period of ill health following surgery, will be remembered for his incredible mind, gentle manner, sharp tongue, cool demeanour, tall stature – standing head and shoulders above the rest – and his blistering sense of humour. Also, a hapless soccer team, whose motto was: 'Form is temporary, class is eternal'. More on that later.

Celebrated as South Africa's foremost advertising commentator and a longtime contributor to *The Money Show* on 702, where Rice hosted the 'Heroes & Zeroes' and 'But Does It Work?' ad features, Rice cut his teeth in FMCG marketing before moving to advertising, where he headed strategy at Ogilvy Johannesburg. He co-founded Yellowwood Brand Architects in 1997, the leading strategy consultancy that was later incorporated into the TBWA/Omnicom group.

He was a regular judge at the Loeries, Apex and Cannes Lions, and the jury chair for the Association for Communications and Advertising (ACA)'s Apex awards, a position he held for more than a decade. In 2017, he was bestowed a lifetime achievement award at the AdFocus awards.

Rice's influence on advertising extended well beyond our borders: he was the first adman from South Africa on the 'creative effectiveness' judging panel at the Cannes Lions International Festival of Creativity.

Gillian Rightford, the CEO of Adtherapy and the newly appointed interim executive director of the ACA, knew Rice since the early 1990s, first through his work in the industry, then as a strategist: 'We've been close and had a lovely working relationship alongside each other all these years'. Rightford described Rice as a gentle, funny, kind, nurturing person, with razor-sharp intelligence and a way with words. 'He was brutally honest, but in a very gentle, very humble, very kind and approachable way.'

The Jupiter Drawing Room founder Graham Warsop described Rice as the finest of his generation of admen. 'Andy was so wonderfully entertaining, a very bright guy. Very intelligent, very articulate. And he made his points in an understated way. He was pretty unique like that.' Rice was a 'one-off': on his business card, he described himself as 'head and shoulders above the rest', a classic understatement because he stood about 1.98m tall, Warsop said. Despite his stature in the industry, or because of it, Rice would never decline a request to do something, help someone or contribute to something; he was always there, available and ready and willing to help people and industry bodies.

He was also wonderfully idiosyncratic: Warsop said Rice once organised a football game for his team and invited Warsop and his brother to play; only later did they discover that it was at Wembley Stadium in London. 'We had to fly to London with him and his soccer team', Warsop said. 'We ended up following him out of the tunnel at Wembley and on to the hallowed Wembley turf for a 90-minute game ... At the end of the game, we all walked up the steps and were awarded medals by an exact lookalike queen.'

James Barty, the co-founder of King James, knew Rice for decades, saying he was a gentleman first and foremost, both in his professional and personal life. 'He had a knack for making you feel incredibly welcome in every conversation. He was always willing to share his perspective and his views and I guess that's why he got to present so many of the radio shows that he then anchored over many years. I guess in some senses, he democratised advertising. He brought advertising into some everyday commentary. He was able to give perspective about what made great creativity, what made great advertising work, and the efficacy of advertising: a passionate man,' Barty said.

Money Show host Bruce Whitfield remembered Rice as a wordsmith able to deliver 'eviscerating' criticism without the target even being aware of the scale of it at the time. Refilwe Maluleke, the managing director of Yellowwood, told Whitfield that Rice was 'wonderfully enigmatic'. 'It is a sad day for us at Yellowwood, and for the entire TBWA Group, to have lost someone who made such a phenomenal contribution not only to the industry but of course also to Yellowwood, by founding the business and establishing something that has existed for 27 years and continues to thrive.'

Brand-builder Heidi Brauer recalled, in a LinkedIn post titled 'Andy Rice and the Pen Test': 'It's impossible to remember when I met Andy Rice, it feels like I've just always known him. We chatted towards the end of last year, and if I think back now, I wish I could have told him this, but I think and hope he knew the impact he had on all of us

... Years ago when I was at kulula, we'd done a cool campaign with King James and Andy called me up to say he loved it and wanted to talk about it on his radio show. I was beyond thrilled and excited, until he told me he only had time for a 30 second clip and let's go live ... now. It was then that I learned (literally in a matter of seconds!) that if I couldn't compellingly describe my campaign or a concept for a campaign in 30 seconds, it likely needed work or wasn't good enough. And so, "The Andy Rice Pen Test" was born. Pen? Well, we needed to simulate an interview and my red pen holder (or any pen) was my stand-in microphone. So for the last many years, any time we felt we were neeeeeearly there with an idea, I'd hold up my red pen holder and we'd do the Andy Rice Pen Test. I've probably driven dozens of marketers and agency partners mental with this 30-seconds-or-bust test. Andy was one in a zillion billion gajillion and more, and his sharp mind, wit, wisdom, generosity and gentleness will be missed and also hopefully an inspiration for us left missing him.'

Rice leaves his wife, Bev Russell, and two sons.

© Daily Maverick, 7 February 2024



WILLIAM MAXWELL BENEDICK YOUNG (1968) died on 22 December 2023. We have received the following obituary from his family:

William Maxwell Benedick Young died on 22 December 2023 in Norwich, Norfolk. He had been suffering from Parkinson's disease and died with heart disease and sleep apnea.

William, or Ben as he was known to all of us, was born on 18 March 1949 in Sheringham, Norfolk. In 1960 he joined Gresham's School, where he remained until he went up to Emmanuel College to study law. His father had hopes of him becoming a barrister. While Ben had a thorough understanding of legal process, he chose instead to spend time with the homeless of London and worked for Hammersmith Cyrenians, offering housing and support to the homeless and vulnerable often struggling with mental illness or alcohol addiction. This was the beginning of a varied career spanning overseas development with VSO, local politics and housing management.

In Lombok, Indonesia, as part of a VSO project in the late 1970s, he worked to ensure that water containers that could withstand earth tremors were developed across the island. He was well loved by the locals; his ability to learn their language and customs endeared him to all. Later, in the early 1980s he was involved in a project in Jordan. Funded by the World Bank, it was to provide decent basic accommodation for refugees. His readiness to learn basic Arabic and interact with the locals meant he was able to work well with them.

He was also an exceptional, if reluctant, local councillor, as his friend David Campanale remembered at the funeral:

'Ben only agreed to stand for Kingston Council in the Hook ward in May 1986 for the then SDP to make up the numbers. He had been told that there was no chance that he would win, as his 22-year-old prospective running mate was delusional and to be humoured only. That person was me. Ben threw everything into serving the public and became a committee chair with power to do things. He campaigned for protecting open spaces, conserving energy, recycling and cleaning up the Thames and Hogsmill. And it wasn't a passing fad either. People at the council remember how he was concerned about the environment and green issues before they were popular. It was Ben who pushed the council campaign for new litter bins across the borough. As a result, he was often referred to as Cllr Bin Young! The sort of appalling pun he would have made himself. His dreadful puns are well remembered. You saw that look on his face and that smile emerging, and you would know what was coming and you could be confident that the bigger the smile, the worse the pun.'

He worked across various housing associations before leading the not-for-profit housing association RLHA until he retired in July 2011. He left with big shoes to fill as everyone had fallen into the habit of saying 'Ben will know'. They also had to find a replacement who could take over the important job of 'naff joke teller'!

Ben was a committed father, and his children grew up with a strong sense of what is right but also a keen interest in all things fun. He was a keen skier and sailor, activities that he shared with them as well as a love of board games, 'Risk' in particular. He supported Tottenham Hotspur through thick and thin!

In 2000 he took a year off work and joined Robin Knox Johnston's Clipper Race around the world. The following is from a speech given at the funeral by a friend on the same boat:

'Ben was a dinghy sailor primarily, so he knew the wind and could trim sails but light air sailing was his true passion. That was a real skill. The clipper boats were heavy, probably 30 tons fully laden. If they stopped it was very hard to get them going again, but Ben loved that challenge of teasing out the forward momentum. I can see him now, in the South China Sea, standing at the helm, baseball cap pulled down, fingertips brushing the wheel, deep in concentration. He could do that for hour after hour. It was probably the time he spoke the least. And he was a great talker. I remember the race from Cape Town to Salvador in particular. Over the hours we were together he and I would chat about anything and everything. Life, loves (including Tottenham), successes and failures (probably Tottenham again), family and food. There are few better people I could have spent that time with.

'I will end on the unavoidable issue of puns. On the leg from Hawaii to Japan I emerged in the cockpit having just plotted our latest position and radioed it in for the twice daily report.

"So where are we?" Ben asked.

"Only 1200 miles to go", I replied.

"Can you not be more Pacific?" came his puntastic response!

'I was so lucky to do that race but all the luckier to do it with Ben. God speed Ben and a fair wind.'

On retirement in 2011, Ben wanted to mark it with a motorcycle adventure with his friend Alan. Together they hatched up a three-month USA Route 66 trip on Harley Davidsons. They had a wonderful adventure across an amazing landscape.

Ben followed this up by doing a boat-building course in Lowestoft the following year, but by then a tremor that had become symptomatic after Route 66 became more problematic and he underwent several medical investigations. His diagnosis of Parkinson's dates from November 2012. He and his new wife Debbie retired to Norfolk from Surrey and decided to make the most of things while they could, travelling widely, pottering about on the Broads, sailing and cruising, and joining in community events. Until he became too ill, Ben was a keen seal warden with Friends of Horsey Seals on the North Norfolk coast. Peter Ansell of the charity remembered this at Ben's funeral: 'All of us who were privileged to know Ben from the early days of wardening will always remember a kindly, articulate person, with a wide knowledge he was happy to share with the old and the young. I think it fair to say he was a true gentleman of the old school, and unfortunately part of a dying breed.'

He leaves his wife, Debbie, children Sophie and Tom, and grandchildren Theo and Lettie. His funeral on 19 January 2024 was attended by well over 100 people who came from far and wide to remember the wonderful person that was William Maxwell Benedick Young.



GERALD HEATH DUDGEON (1970) died on 26 September 2023. His wife, Diana, has sent us the following tribute, which was read at his funeral:

Gerry Dudgeon was born on 6 January 1952 in Darjeeling, India, the second child of John and Phyllis Dudgeon and younger brother of Sheila. Gerry's father managed a tea plantation, and though the family moved back to England a year or two after Gerry's birth, he always maintained that he felt an affinity with India, and in fact many years later he returned several times to visit the country of his birth.

His family settled in rural Essex in the 1950s, and Gerry's father took up pig farming near Little Dunmow. It must have been a happy childhood, as Gerry often described with

great affection the thatched house where they lived, which was called White Cottage, boyhood pursuits such as fishing in the river Chelmer, and visits from his cousins.

Later, Gerry attended Felsted School nearby, and it was here that Gerry's love of art was first sparked and fostered by the art master, Trevor Goodman. Gerry described how he spent as many hours as he could in the art room. It was a formative experience that was to influence the direction of the rest of his life. While at Felsted he also made friendships that lasted throughout his life. As Gerry began to grow up, his mother developed episodes of depression and occasionally spent time in hospital. Through this time Gerry developed self-reliance and a strong instinct to take responsibility for any situation.

Gerry won a scholarship to Cambridge in 1970 to read modern languages at Emmanuel and became an accomplished linguist. Fluent in French and German, he liked to test his fluency in later life by talking to a German person and seeing how long it would take them to guess that he wasn't a native. Ten minutes was his goal.

At university, Gerry played bass guitar in a band that later joined Katrina to become Katrina and the Waves, of Eurovision fame. He played hockey and painted sets for theatre productions. As part of his degree, he spent a year in Freiburg, Germany, and it was there that his interest in archaeology began to emerge, an interest in uncovering layers of time, which was later to manifest itself in his painting as a recurrent theme.

After Cambridge, Gerry went to Camberwell School of Art to do a foundation course in fine art. He continued with a degree in fine art and left with a first-class honours degree in 1979, and then moved to Reading University to complete a Master of Fine Arts in 1981. He won the Boise travelling scholarship and went to New York, where he met and stayed with the artist, later to become children's author, Richard Kidd. It was here that he began to develop his admirable joinery skills while helping Richard convert his loft apartment. Richard also gave him introductions to art schools, where Gerry soon became an in-demand visiting lecturer, notably at Newcastle School of Art and Roehampton University. He was based in London at this time, with a studio variously in Wapping, then the Barbican, and eventually Brixton.

In the early 1980s Gerry met Diana, and they married in 1986 in Herne Hill, London. They went to west Dorset on their honeymoon, and soon after moved to Beaminster, Dorset, where they lived ever after.

Gerry was always a sun lover, keen to fly south for the summer to Morocco, the south of France and particularly Greece. He and Diana made many expeditions over the years until 2022, and Gerry would always take sketchbooks, drawing materials and watercolours and spend hours every day drawing, painting and photographing in order to create a body of reference material to use back at his studio. On several occasions he took oil pastels, which never dry and which often melted in the hot sun, and he and Diana would come back with their possessions smeared with brightly

coloured oil pastel. Gerry was extremely knowledgeable about art history; visiting a museum or gallery with him was like having a personal guide.

In 1993, armed with a research award from the University of Surrey, Gerry made the first of several expeditions to India, and after visiting Darjeeling, the place of his birth, he then explored Rajasthan. His painting subsequently moved into landscape-based semi abstracts, underpinned by strong drawing and structure, and using colour suggested by landscape, artefacts, light and atmosphere. Trips to Morocco followed, where he was inspired by the earth colours of the landscapes and by Islamic decoration in man-made structures.

Gerry and Diana's two dearly loved children are Philippa, born in 1994, and James, born in 1996. Gerry was a devoted father and would occasionally spend long hours with them immersed in painting sessions in the framing workshop or playing rather dangerous tennis volley rallies in the garden. He was extremely supportive, wanting to help them follow their own path and develop their own interests. They have both inherited their parents' love of the outdoors, nature and travel.

Gerry's early love of tennis was reborn after a charity cricket match during which he strained a calf muscle taking his first run and realised he had to raise his fitness levels. He joined Bridport tennis club and subsequently captained the men's B team for some time. As chairman for ten years, he introduced major improvements to the clubhouse, and he successfully fostered a thriving and welcoming club.

Every summer, the family spent holidays at Diana's mother's house in southern France, and they have favourite memories of kayaking and swimming in the beautiful fast-moving waters of the River Orb in the Hérault department, and of exploring medieval hilltop Cathar castles.

In addition to exhibiting regularly through the years in London, Dorset and France, Gerry also returned to teaching from 2010 onwards. He began to teach residential workshops in the Gaillac region of France and also near Dartmouth in Devon: these were very much in demand. He also ran occasional workshops at his studio near Beaminster. He was a gifted and generous teacher and enjoyed working with people who were serious about art. Over the years, teaching was helpful to him personally too, increasing his confidence and reducing his natural shyness. He continued painting until early 2023, after which sadly his life became increasingly dominated by illness.

At the end, Gerry said that he had a lot more to do but that, even so, he had had a good life and had left something tangible of himself behind for other people. He is hugely missed by his family, friends and fellow artists.



ROBERT ROTHSCILD (1970) died on 9 July 2023. We have received the following obituary from Oliver Westall, Robert's colleague and friend:

Robert Rothschild died on 9 July 2023 after a long and debilitating illness, which he bore with exemplary grace and fortitude, wonderfully supported by Santi, his wife. His death leaves an irreplaceable gap in the lives of his colleagues and friends, for he was a man of rigorous intellect and admirable personal values, both modulated by a genial relationship with all, spiced by a sharp wit that was his defence against a world in which he frequently identified irrationality and chaos. Even after the most casual encounter, friends and colleagues left him instructed and entertained. Being with Bob was always life-enhancing.

Bob took some pride in his family's long German heritage, but his outlook was marked by his parents' move to South Africa in the 1930s to escape the Nazi regime. His mother's parents died in Auschwitz. Born in 1945, he grew up in a warm and loving family, but his parents had known what it was to be refugees, and he believed this shaped his distinctive caution and apprehension of uncertainty. Some of his colleagues wondered if this encouraged his engagement with game theory, for it provides a solidly rigorous framework for structuring decisions under uncertainty. Bob flourished in South Africa, at school winning a national prize for an essay in Afrikaans. He proceeded to the University of Cape Town. After graduating, encouraged by his father to leave South Africa, he worked briefly as a business economist in Britain and Germany. He then returned to Cape Town to continue studying and teaching economics at UCT, before joining the distinguished flow of South Africans who came to the United Kingdom to complete their education and enrich British professional life. Bob began graduate work on game theory under the supervision of Michael Farrell at Cambridge University [and as a member of Emmanuel].

Farrell was the link that brought Bob to Lancaster, for Farrell knew that his colleague Professor Elizabeth Brunner was seeking an industrial economist. Bob immediately showed that he was a man of character, for having accepted the position by word of mouth, he declined an offer from the LSE that came hours later. He quickly realised the department's hopes, bringing a sharper mathematical and theoretical edge to teaching micro and industrial economics. A former student recalls, 'As a teacher, he was exacting and rigorous, exactly what I needed'. The diligent application of clear thinking was always at the heart of his teaching. At the same time, as courses for management students grew, he adjusted his style and content to meet their needs and contributed to a textbook focused on their interests. He helped to design Lancaster's initial MBA programme.

Bob developed a wide-ranging body of research. It focused on the game-theoretic study of industrial organisation in three areas: collusion, cartel formation and stability; spatial competition, seen in geographic and product characteristic terms; and mergers in the context of spatial competition. While his approach sometimes seemed austere, he sought out real-world topics, demonstrating a special gift for elegant analysis, avoiding complicated solutions, favouring simple explanations, always the hardest trick to play. He believed that the great strength of economics lay in capturing the essence of a situation, that its practical value lay in focusing attention on the most important structures, the mechanisms at work and the trade-offs involved. His work ranged from the most austere theory to highly topical and practical questions, but always sought the elegant explanations that economics can at its best provide.

His research was realised in an accelerating flow of papers in specialist journals, and contributions to book collections and conferences. Beyond the importance of his findings, Bob had a distinctive written style: clear, informative, concise and modest, reflecting his own personality. He spread his wings with publications in management journals; collaborated with Lancaster colleagues in a book on *Managers and Competition*; and assessed Freeport zones, wave power and the commercial truck industry. He bravely entered the media arena, providing regular commentaries on the budget for Radio Lancashire and Red Rose Radio and contributing informative business economics briefings to regional business seminars.

Bob's professional reputation grew, attracting the attention of economists in his field across the world. He was invited as a visiting professor to universities in the United States, Australia, Canada, Czechoslovakia and China. He collaborated in publications with international colleagues in his field. The quality of his published work and growing international reputation led to his promotion to a readership in industrial organisation in 1999 and a professorial chair in 2001, followed by a chair emeritus when he retired in 2010.

Well regarded among fellow specialists internationally, his departmental colleagues saw him as collegial, supportive and wise. His intellect meant his views were always respected. As one has written, 'Young and old, we were all students when Bob was in the room'. While he did not seek administrative roles, he took a close interest in designing and delivering teaching programmes in collaboration with others. For colleagues of his own vintage, Bob became a central figure in their professional lives. His sharp and sparkling wit punctured pretension and waffle and enlivened the day; his wide range of observation and analysis of economic and political events at home and abroad provided a constant source of instruction and stimulus; his kind and sympathetic understated friendship warmed all contacts. One always felt privileged to be able to enjoy working with a colleague of such style, brio and high standards.

Away from the campus, Bob enjoyed a rich and rewarding family life with Santi, Dan and Pete. They enjoyed family friendships with others in their part of Lancaster,

alongside other friendships and social life in the local Jewish community, some campus-based, now gathered together in the Lancaster Footlights.

In retirement after 2010, Bob was able to relax a little more. With Gerry Steele as guide, he and Santi completed 50 of the Wainwright fells in the Lakes in under four years, though Bob's vertigo meant that he sometimes reached summits by a different route from braver Santi. He frequently pointed out the opportunity cost of climbing fells in terms of the margaritas that might have been drunk in the sunny valleys below. Gerry celebrated reaching the fiftieth summit by providing iced margaritas at the top.

Bob's illness became apparent to his friends and, when Covid struck, they established a Zoom group that met every Thursday for three years. It was a wonderful Indian summer opportunity for us to enjoy Bob's personality and talents. He ranged across economic, political, international and academic affairs, providing illuminating analysis, the fruits of his wide reading and sparkling wit and gossip. Those of us who were fortunate to share this experience will never forget Bob's contribution to maintaining morale through the Covid crisis, and that memory will remind us of a light that has now left our lives.



TIMOTHY HANCOCK (1972) died on 6 January 2024. His brother, Peter, writes:

Tim was very clear from his early days at primary school on the Isle of Wight that he wanted to be a maths teacher, and this never wavered. At Price's School in Fareham his love for mathematics was nurtured and developed. It was no surprise, therefore, that when he went up to Cambridge it was to read mathematics. He quickly made friends at Emmanuel and was known for his cheerfulness and friendliness, greeting and meeting everyone with equal warmth and bonhomie. He was very proud of being at Emmanuel, frequently visiting after he left and keeping in touch with friends and fellow alumni.

After leaving Cambridge he took a teaching degree at Bristol, before moving to Aylesbury where he taught at Aylesbury Grammar School. There followed a remarkable career of 38 years in the same school, undertaking various responsibilities, including wrestling each year with the school timetable, and always teaching mathematics. He took great interest in all his pupils and was always delighted when they followed his example to study mathematics at Cambridge.

Unfortunately he died, suddenly but peacefully, at home, just prior to his seventieth birthday. The funeral service was attended by a large crowd of people, including colleagues, friends from throughout his life and family. He achieved high

office in freemasonry, had a keen interest in walking and cricket, and a very wide circle of friends. He was a wonderful uncle and great uncle to the family, much loved and greatly missed. May he rest in peace and rise in glory.



OLIVER WILLIAM JOHNSON (1973) died on 29 May 2023, as reported in last year's *Magazine*. The following obituary, submitted by his friend, David Taylor (1973), is based on Oliver's own account:

In his own words: 'Born in 1955, I'm half German and grew up in Norwich, mostly on the Heartease estate, with my two sisters Anna and Barbara. At 11 I went to the City of Norwich School, a boys' grammar school. I was well taught, reasonably clever and conscientious, and got all As and distinctions in the exams at 18, which took me to Cambridge. There I was just average and homesick at first, but I enjoyed the experience as a whole, with lots of sport and friends that have lasted a lifetime.'

In his last year at Emmanuel, Oliver went to the careers centre to play a business game, and the experience was to shape his future career. He found the process of being part of a team and deciding product quantities, costs, prices, marketing and investing, and the results (sales, profits, the fate of the competition) fascinating. The idea of getting paid to do this seemed very much more attractive than a career as a banker, accountant, teacher or civil servant.

He decided to join Reckitt & Colman, one of the multinational marketing/selling companies that offered a graduate trainee scheme, which would let him spend time in marketing, finance, purchasing, production and other functions in the business.

On his first summer holiday as a trainee, he read a book that would have a defining impact on his career, *Offensive Marketing* by Hugh Davidson. It argued that companies should start their thinking by studying consumers and orienting their efforts to fulfil their needs rather than being preoccupied by what they produce and how to sell that. This is obvious now, not so much in the 1970s, and it was a lightbulb moment for Oliver. He came back from holiday, asked for and was given a junior marketing role. The philosophy of the book, and the lessons at Reckitt & Colman shaped the rest of Oliver's career.

In search of adventure, as well as experience, Oliver then applied for and was offered an expatriate job with British American Tobacco. This took him to Venezuela for three years, followed by a period at head office covering the Far East and Japan, and then another posting to Costa Rica. However, when the next posting on offer proved to be Sierra Leone, Oliver left BAT to become marketing manager for Volvo Cars UK.

When Oliver joined Volvo, they told him that it did not matter that he did not know about cars; they knew all about cars; what they needed to learn about was marketing. During his time at Volvo, the UK grew the highest market share outside Scandinavia. Crash safety became the brand's competitive advantage in the UK: the shark cage ad and campaign he initiated led to a Concorde flight with the creative director of Volvo's advertising agency to New York to pick up an international award.

After four years, in 1992, Mercedes approached Oliver to become their marketing director. He built a marketing department from a small passive group into a proper team in preparation for a big extension of the product range. A smaller car, an SUV and an affordable sports car were launched, and sales of Mercedes cars in the UK nearly trebled.

In 2000 organisational changes at Mercedes meant it was time to move on. Oliver decided on a slight change of trajectory and joined a buyout team at Denby Pottery as sales and marketing director. He led the development of the business in new sectors, using in-house designers but outsourcing production. This included introducing Denby white tableware, now the company's most successful range.

At this point Oliver decided he was ready to lead a company. To his great surprise and greater joy, he was appointed chief executive of the Wine Society. It is safe to say that he transformed that company into an up-to-date, internet-led, engaging authority, winning many national awards on the way. Oliver also did a lot to conjure up the romance of wine and to bring that world to life. He brought to the fore the buyers, their work, their expertise and their adventures. He welcomed journalists, sharing stories of the society's history and its relationships with the growers. In 2004 he moved the society into the twenty-first century, championing the development of the website and using email to communicate with members.

Oliver always listened to the members of his team, acknowledging that it was not for him to tell them how to do the jobs they were very capable of doing. In 2005 Sebastian, the buyer for France, came back from an early tasting and said, having bought Bordeaux for 40 years, this vintage was exceptional. Oliver sought other views by way of confirmation: in his words 'we bought huge quantities for the future and for our members to buy from us at the time. They loved us for it.' This success enabled the society to buy some neighbouring land and extend the warehouse, enabling all stock to be brought in house in one place. In all this he was helped by two society members with the appropriate expertise in warehouse development, one being Oliver's old Emma friend Ian Mashiter (1973).

After eight happy years, a long time for an organisation to have the same chief executive, Oliver decided it was time for one last challenge. Of his time at the Wine Society, and of his colleagues, he said, 'We got a lot right and had a great time'.

Oliver's choice for a full-time job was totally left of field: he took charge of the Durrell Wildlife Foundation and its zoo in Jersey. He found an organisation run by

people passionate and knowledgeable about animal conservation and running a zoo, to which he could add his analytical and management skills and business acumen. Oliver began a number of commercial initiatives to support the organisation, including a children's nursery and a charity shop. One perk of the job was afternoon tea with Princess Anne, a patron of the foundation.

In 2016, after two-and-a-half years living away from home, Oliver decided it was time to retire from full-time work and spend more time with his growing family. However, duties as a grandfather did not prevent him from continuing with a number of non-executive positions, including NHS, environmental and educational organisations, and Utmost, a major pension fund consolidator.

Oliver married Sally, whom he had known since they were 16, in the summer he left Emmanuel. Two years later he met Julia who worked at Reckitt & Colman. He and Julia were married just before they left for Venezuela with BAT. His first daughter, Rebecca, was born in Venezuela. His second daughter, Samantha, was born during their posting to Costa Rica. Lindsey, his third daughter, was born in the UK. He met Lesley shortly after joining the Wine Society. Oliver became deeply involved with Lesley's three children, Megan, Joe and Polly as they grew up, and one of his great joys when he married Lesley in 2021 was that he could formally call them his stepchildren.

In retirement he and Lesley travelled extensively: Oliver lost count after 23 countries. He played golf and five-a-side football up to the age of 66, despite having an artificial hip. Latterly he enjoyed the simple pleasures of his garden, country walks with Lesley and Bumble, their dog, and his extensive library and record collection.

Once more in his own words: 'In the summer of 2021, out of the blue, I was diagnosed with cancer. Entirely random: I was fit, eat well, didn't smoke and drank little. Treatment has included chemo- and radiotherapy, during which I felt well. Surgery is the next step.'

That completes the story of ten full-time jobs, all in different cities, and eight part-time ones; lots of travel, three wives, six children and stepchildren, and five grandchildren, so far!

In the event surgery did not prove possible and Oliver passed away at the end of June 2023, exactly a month after his sixty-eighth birthday. Almost exactly a year later a sixth grandchild arrived.



NINA ROSE WILLIAMSON (née Constable) (1993) died on 4 January 2023, as reported in last year's *Magazine*. The following is an edited version of the tribute given at her funeral:

Nina was something of a force of nature. Funny, hard-working, intelligent, athletic, Nina was extremely determined, but also kind and considerate of others, ready to fight her colleagues' corners, and to offer an open ear to someone who needed to talk. She found a great balance in life, making time for her various passions while committing to her roles as wife, mother, colleague and friend, earning the respect of those around her.

Growing up on a smallholding in Norfolk, Nina enjoyed a happy childhood, forging a strong and enduring bond with her family and developing some of her lifelong passions. Growing up with dogs secured her love for them, and going to the cinema for the first time to see *Star Wars* inspired a lifelong obsession with the series. While attending local comprehensive schools Nina developed not only her interest in academics but also her sporting prowess, playing hockey and basketball. Her abilities were recognised when she received the Queen's Award Trophy for the highest achievement in maths in Norfolk, receiving an invitation for tea with the Queen.

Nina arrived at Emma in 1993 to study mathematics, driven by a genuine passion for the subject, and thrived among like-minded people who were to become friends for life. Alongside her studies, Nina continued to develop her political views (broadly 'green socialist'), her taste in music and her love of sport, taking up football. Nina's intelligence was matched only by her determination, which could be glimpsed in many things: from lobbying and securing funding for the college men's and women's football teams to go on a tour of Ireland to convincing the college, as president of the Film Society, to project a screening of *Star Wars* onto her bed sheets rigged up in South Court. A natural hard grafter, Nina worked throughout her student life, taking shifts behind the college bar in term-time and in the summer holidays taking a role at Padley's chicken factory.

After graduating, Nina joined Ernst & Young and secured her accountancy qualifications. While accountancy would be the foundation for most of her working life, Nina did have a hiatus from the profession after completing her qualifications, when she went to run a pub in Suffolk, making the change to answer one of those 'what if?' questions that many of us leave unanswered. Eighteen months later Nina returned to accountancy, securing a position at Domino Printing Sciences where, across 20 years of committed service, she ultimately became the firm's UK and Europe director of finance, a role she held for a number of years and within which she positively impacted so many. As well as meeting with her team across Europe, Nina travelled all over the world while working on specific projects, visiting the US, China, South Africa and many more destinations in her pre-parenthood days.

During this era, Nina's passion for sport remained undimmed, though the sports themselves evolved over time. She played football to a high standard for the Hitchin Town Ladies well into her late 20s, but her footballing was brought to an abrupt end after her leg was broken in a match. In typical Nina style, having broken her leg on the Saturday, she soldiered on into work on the Monday before eventually agreeing to see her GP. Examining the injury, the doctor advised that an x-ray was required: 'I'll drive to A&E', Nina stoically suggested, to which the doctor replied, 'You're not driving anywhere: you're going in an ambulance!' Moving on from football, she discovered a fresh passion in running. Over the years Nina competed in the Dublin, Edinburgh and Copenhagen marathons. Her Edinburgh run time qualified her entry into the London marathon as an athlete, which she later entered and completed six months after giving birth to her daughter, Ella.

Running was the link that brought Nina together with her husband Alex, after a mutual friend from her running club set them up. Nina and Alex shared an immediate connection. They wasted little time in building their future together, with their daughter Ella born in 2011, getting married in 2012 and their son Harvey arriving to complete their family in 2015. Motherhood brought out Nina's best qualities: her determination, positivity and inherent kindness and compassion. When Ella was born with additional needs, Nina worked hard to ensure her daughter was given every opportunity on her own life journey. As a family, Nina, Alex, Ella and Harvey shared many adventures and happy times, including some memorable camper van trips around the UK, with Nina's ideal location being any field near a good beach and pub with a good running route nearby.

Nina was diagnosed with a rare form of lung cancer in 2019 but was amazingly able to keep the disease at bay with just one pill a day for more than two years, during which she was able to continue to work, to take holidays and to enjoy time with her family at home. Though no longer able to run, Nina found joy in new hobbies, becoming an enthusiastic baker and growing a fresh passion for gardening, in which she discovered a replacement 'therapy' for running. The way her friends and colleagues rallied to her is testament to how much love and respect they held for Nina. One friend sent Nina a therapeutic colouring book during her time in hospital, the twist being that the colouring was of a succession of large-font swear words, something Nina found hilarious; she duly spent many hours, in the middle of a busy ward, decorating large 'F' and 'S' words in bright colours.

After a difficult couple of months in hospital, during which her family and friends visited her every day to care for her there, Nina passed away on 4 January 2023, aged 47. She is deeply missed – as a wife, mother, daughter, sister, colleague and friend – and by all who were fortunate to know and appreciate her remarkable spirit. Her legacy lives on with her family, but also in the example she set; the advice and guidance she shared; and in the many happy memories she created.



RUSSELL STEPHEN HITCHINGS (1994) died on 26 May 2024. We have received the following obituary from a friend, Stefan Ramsden (1994):

Our lovely friend Russell died on Sunday 26 May 2024 of a cardiac arrest. He died in hospital in London at the age of 49.

I met Russell during freshers week at Emmanuel College in 1994. He was a cheeky Welsh lad with an indie-style 'curtains' hairstyle (think Shaun Ryder c1990) framing his handsome boyish face. He was hugely popular with our undergraduate cohort for his easy-going ironic wit, penchant for fun, and ingenuite charm. In those early days of freshers, I remember I became friends with Russell in the bar, where we initially sought each other out because we each had long hair, a relative rarity among male Cambridge types in those days. It was very noisy in the bar with all those drunk freshers shouting at each other and Russell was soft-spoken, so I became friends with him before I'd ever really heard any of the things he'd said to me. Once we did actually have a conversation, I realised I'd made a good choice. We clicked, both feeling somewhat outsiders to the Cambridge norm, and both keen to have a laugh and, not uncommon among students in the 1990s, to have a few drinks. Russell and I became firm friends and part of a friendship group with a few others from the college (plus Fflur from Newnham) that has endured to this day. We've shared much fun, and of course the difficult times too, across these years. Russ always brought much of the fun, but also much of the wisdom and kindness when that was needed. When our friendship group was together, we were never really complete until he was there.

Russell was witty. He could really skewer a social situation and would bring you down if you were being pompous, though he was never cruel with it. A hug from Russell was a great thing, as all his friends will agree. Russell was an individual through and through, with his own version of geography lecturer chic, and a way of doing things that was often rooted in an unwillingness to simply throw cash away. Ellodie summed this up nicely in her Facebook tribute: 'I'm still expecting him to turn up on my doorstep in shorts and a plaid shirt, his sport socks pulled up and the end of his belt hanging loose with a random, cheap but wonderful gift (and the bottle of champagne in his rucksack that Rhodri has told him he needs to bring) and if it's a special occasion he'll tell me he's had the iron out and plucked his nose hair for me'.

With news of his death, the outpouring of love on social media and on the tribute page set up by his employer, UCL, from friends, colleagues and students has been truly amazing. We realise that, just as he was special to us, he was special to so many others across the world too. What most people kept coming back to, struggling to come to terms with their sadness at the news but keen to register what Russell had meant to them, was Russell's wit, his sense of fun and personal warmth, and his rare ability to listen and to ask the important questions.

Russell, born on 1 December 1974, grew up in Pontypool, South Wales, a former metal-working and coal-mining town (and home to the UK's second largest dry ski slope, as Russell liked to tell us). His father Bob was a policeman and his mother Kay taught IT skills in a college. Russ's older sister, Debbie, followed a career in the navy. Russell was good at school, particularly enjoying languages and geography; following his A-levels he spent a year teaching English in China, and then came to Emmanuel College, where he started studying Chinese. Within a few weeks, he had realised that geography was where his heart lay and so changed subjects. Thus began an academic love affair with human geography that he later developed with a Master's and PhD at UCL, then with work as a researcher at the University of Hull, a lecturer in geography at UCL and a sometime visiting research fellow at Wollongong University, Australia. Russell's research explored everyday interactions with the environment, and the implications of these interactions for social wellbeing and environmental sustainability. In a career spanning 20 years he pursued these interests across diverse topics, including: changing relationships between people and plants in domestic gardens; the interactions of office workers in London with outdoor environments; how older adults manage their winter warmth; cleanliness norms at music festivals (and implications for sustainable water use); changes in leisure mobility among retirees; and cultural aspects of thermal comfort in Qatar. UCL rewarded Russell for his outstanding contributions to research and teaching with a professorship in geography in 2023. Russell's research was presented in numerous academic articles and two immensely interesting and readable books, *The Unsettling Outdoors* (2021) and *How to Study Social Life* (with Professor Alan Latham, 2024). He enjoyed working collaboratively and had many research collaborators from his own university and other universities across the world.

Everyone – his family, friends, colleagues and students – felt they had their own unique relationship with Russell. And they did, because he paid attention. He was interested in people above everything else. He asked the right questions and had time for people in a way that is not common. He wanted to establish a deeper connection. He was particularly good at offering a keen and ironic assessment of sociality: he could hone in on the awkward and funny kernels of particular social moments. His academic interests stemmed seamlessly from this: the reason he was so effective a social researcher was because he was so genuinely interested in people. In his academic work he used interview research to focus on everyday understandings, tensions and contradictions in the discourses that we use to explain our interactions with nature. His abilities to make people feel at ease and to make people laugh was undoubtedly part of this research methodology.

After our Emmanuel College days, the time we spent together as a friendship group was often holiday time. For a geographer, his approach to holidays was interesting. He

loved being a tourist of course, and seeing sights and experiencing cultural difference, but primarily he said, holidays were for 'talking to your friends in a different place'. Countless times I'd wake up where we were staying on one of our trips somewhere, perhaps after a heavy night, and find it cosy and reassuring to hear him, having found his way into Anna and Fflur's bedroom with a cup of tea, chatting and laughing about whatever had transpired the night before.

Russell was generous in giving time to help others. His friends benefited from his outstanding listening skills and his warmth and wisdom. He also volunteered for many years at the Samaritans in London. Since his father Bob died, leaving his mother Kay on her own, Russell was a dedicated son, regularly visiting her, taking her on holiday, and learning to drive so he could take his Mum out for the day in their little car 'Angela'.

Having recently been made professor, with a new book coming out, with many friends keen to spend time with him, and with plans for travel and new ideas for research, Russell was excited about the future. He had a long-term plan to retire to the Welsh coast at St Dogmaels, next to Cardigan, a place he loved after spending many happy times there at Anna's home. He loved his nieces, Maddy and Izzy, and enjoyed being an uncle and doing his fair share of teasing them no doubt; he was looking forward to seeing what they did next as they completed their A-levels. Russ attended the most recent Emmanuel College members' gathering in April, had enjoyed catching up with everyone and had made plans to meet for coffee with these old friends.

Having shared a draft of this text with friends, I've been reminded to mention Russell's athletic abilities: his love of running, which saw him complete a marathon while at Emmanuel, and of tennis, competing with the best at tennis on the college lawn (not to mention a decent run in the table football league in the bar). There was also his lovely singing voice, which led to the formation of our long-running musical duo, the Travis tribute act Travisty: basically, we used to perform the song 'Why Does it Always Rain on Me?' at various parties and get-togethers.

It's difficult to describe in these few words somebody as wonderful and beloved to so many as Russell. Of course, we never really know another person completely and all we can do is say what he meant to us. To Russell's friends and family, he was a 'solid lump of comfort' (Anna Nicholl). He was there for us, he made us feel loved and special. This wasn't just charm, although he was charming too. He was superb fun, silly, wise and generous company. He was somebody we were all looking forward to growing old with, and his early death has robbed us of a great and irreplaceable friendship.



DAVID JAMES EDWARD HARMSWORTH (1995) died on 12 September 2023. We have received the following obituary from his wife, Heather (1997) which includes a tribute from his colleague, Peter Leatham OBE:

David very sadly died on 12 September 2023 aged 46, following a short illness. He leaves behind his wife Heather (1997) and their three children: Fynn (aged 13), Breesha (aged 11) and Aalish (aged 5). After studying law at Emmanuel, David lived in London and qualified as a solicitor. In 2003, he started working for PPL, a music licencing body, and was general counsel for PPL at the time of his death. The CEO of PPL, Peter Leatham OBE, gave the following tribute at David's funeral:

David and I worked together for nearly 20 years. In fact, he was my very first hire, impressing the HR director so much during his interview that she said she would be 'borrowing' some of his answers if she was ever doing an interview in the future! His boss at the law firm where David did his legal training once told me that David was the best trainee they'd ever had.

PPL licences the use of recorded music on TV, radio and in public places, such as bars, nightclubs, shops and offices, paying performers and record companies when their tracks are played. In the 20 years since David did that interview with PPL, we have grown the revenue collected by over 400 per cent to £272.6 million and now pay over 165,000 performers and record companies each year.

In all that time, he and I never argued. We respected each other enormously and always had complementary views. It was so easy to work together, so closely, for so many years. There was nothing to dislike about David. He was humble, caring, hardworking, creative, incredibly intelligent, generous and very witty.

One early deal I remember working very closely with him on was a big public battle we had with MTV over their use of music videos. Following a long stand-off, we had a week to strike a deal, and it was David who did all the drafting on what was a complex multi-territory, multi-channel, multi-party negotiation. We eventually signed at 4am one morning to meet the deadline, which was a big moment and one of a number of large deals that started to build our reputation.

Thinking of that deal reminded me of a story that pinpoints David's commitment and dedication. Usually, the office closed at 10pm and we were pretty good at vacating the building before security locked up. However, one night the security guard did not spot David, set the alarm and locked him in! When David started to leave the alarm went off. He phoned me for help but all I could hear was the really loud alarm noise down the phone and hung up. Talk about deploying your 'phoning a friend option' and being let down. The alarm eventually stopped ringing, David called me again, explained what had happened and we managed to get him out of the building!

I have nothing but fond memories of working with him. There was a sharpness around his thinking, a level of analysis he brought to bear that I will always relish and treasure. We often worked late, but we enjoyed it and each other's company. We knew we were making a difference. You get to know someone pretty well over the many late-night pizzas at the Pizza Express that used to be opposite PPL.

Over the years David built his legal team, and many of them, past and present, are here today. I am delighted, but not surprised, because that is the kind of person he was: a great colleague, loyal and inspirational.

Now, it was not all work.

We used to have an inter-floor competition for the best Christmas decorations over the five floors at PPL Towers. We were on the third and never won; that is, until David made it his mission. Driven by his creativity and attention to detail our floor was transformed! We won and the whole building realised there was much more to this man than just being a lawyer. Although I did actually have to have a word with him about just how much time he was spending on it all.

You'd always want David on your team at away days if it involved problem-solving. Tasked with the challenge of building the tallest free-standing structure out of spaghetti, tape, string and one marshmallow, David was in his element. While everyone else focused on the word 'tallest', David won as the team with the only structure that actually stood up! He was the man you wanted on your side, not just for his intellect and decorative skills but also for his sheer practicality. And his cakes were legendary, often raising money or just marking people's birthdays, like the amazing cricket bat-and-ball cake he made for my fiftieth birthday.

PPL has grown enormously since David joined in 2003: not just our revenues, but also integrating performers into the company, creating an international collection business, starting a 250-person joint venture for public performance licensing in Leicester with PRS, and much more. David did so much to create what PPL now is. He worked on every piece of significant work that we did in that time and was an integral part of the transformation we have been through, becoming the widely respected company I believe we now are.

His impact was not just at PPL but felt throughout the entire UK music industry. He was a member of the BPI (British Phonographic Industry, a record company trade association) rights committee representing record companies, chair of the UK music rights & legal affairs committee representing the wider music industry, and one of the eight directors of the British Copyright Council, representing the wider creative and copyright community.

Not something that you do every day, but David was involved in suing the UK government, not once but twice. The first time was for PPL when we had to 'persuade' the government to implement a European copyright directive granting us more rights to licence. The second time was when the government threatened to introduce a right

to private copy without fair compensation for music creators. David was one of three lawyers selected from across the music industry to run the case with external solicitors and counsel. Following a decision from the High Court we won an important victory.

Despite this, David had a very good working relationship with many civil servants, and last week I received a lovely letter from Adam Williams, the CEO of the Intellectual Property Office who wrote: 'David was greatly respected and liked by everyone who worked with him over the years and his loss leaves an enormous gap. We will miss him, not just for his expertise, which we drew on regularly, but also for his professionalism, consideration and thoughtfulness in his interactions with all of us.' That is just one of hundreds I have received and that I could read out.

However, there was one social media post that really hit a chord with me and says so much about David. It came from Kiaron Whitehead, general counsel at the BPI, with whom David did a lot of work over the years on things such as blocking the world's biggest illegal music stream ripping service and blocking the world's biggest illegal cloud storage service. Kiaron, who is here today, wrote: 'I love you #davidharmsworth. You were the lawyer I always wanted to be. The smartest, most prepared, most decent person in the room. Always letting the rest of us think we were clever, when in reality you were streets ahead of us all. The port in every legal storm. God bless you my friend. God bless your family.'

It means a lot to me that David recently reflected that he had spent his time well. He was proud of what he had achieved and that he had been able to work with so many talented and decent people.

I was fortunate enough to be honoured with an OBE in January for services to the music industry. In effect the award honoured pretty much everything David and I worked on together. You do not achieve anything on your own. I just happen to have been the lucky one recognised for all the work that David, I and the PPL team have done together. He will be absolutely uppermost in my mind when I go to Buckingham Palace in November to receive the award.

I speak on behalf of so many people across the entire music industry, for whom he did so much, when I say that they will all miss David immensely.

While he was ill, David wrote the following eulogy for his funeral:

Regenerations

A baby, born belatedly
 (Alison, 12 years, then me)
 And not quite on St David's Day –
 But no less loved by Ann and Ray.

A toddler who, with whoops and roars,
 Jumps over waves on Branksome shores.
 Happy, laughing, hand-in-hand,
 Leaving footprints in the sand.

A grandson who, with Nana, bakes
 Each Sunday an array of cakes.
 (And, thanks to Dad, he later finds
 He's skilled at clever cake designs.)

A schoolboy, first at Canford Heath
 (Where Mum for years would also teach)
 Then grammar school, at which he starts
 To ever more embrace the arts.

A brother who hears every track –
 Kate Bush, through to Fleetwood Mac –
 That plays behind his sister's door,
 And listens to them all in awe.

A music maker, ever since;
 An owner of assorted synths,
 A duo with his oldest friend;
 In love with music, to the end.

A Cambridge student of the law
 But really learning so much more;
 Making many friends for life –
 And falling for his future wife.

A boyfriend who is wonderstruck
 And never quite believes his luck
 To find a soulmate, unsurpassed,
 In such a feisty Northern lass.

A lawyer, in the music biz
 (Quite handy, in a music quiz);
 Who makes his mark for twenty years
 Within a world that he reveres.

A Gunners fan (just like his Mum)
 Who knows the best is yet to come;
 Faithful to the famous call:
 '1–0 to the Arsenal!'

A devotee of 'Doctor Who',
 Since roughly 1982.
 The show inspires him to behave
 Like his hero: kind and brave.

A wordsmith, such a fan of rhymes,
 And cryptic crosswords in *The Times*.
 Writing storybooks for fun;
 The quickest wit to find a pun.

A parent who has always known
 His 'Dad jokes' make his children groan –
 But also knows, with certainty
 How special they'll grow up to be.

A dad, so full of love and pride;
 A husband, steadfast by her side;
 A man who will forever be
 Devoted to his family.

And I will always be all these.
 So, in among the sorrow, please
 Remember that, and know it's true –
 For that will keep me close to you.

I loved my life, and it was mine;
 I would not change a single line.
 Not one moment, not one beat –
 A life cut short, but still complete.

And all of you have played a part,
 To help me have a braver heart.
 From this day on, it's down to you,
 To make each other braver too.

For we're all stories, in the end,
 Most with chapters not yet penned.
 Tell my story, but don't dwell –
 Treasure what comes next as well:

The memories you're still to make,
 The chances that I hope you'll take,
 And, even if they wait a while,
 The moments that will make you smile.

So fondly blow the past a kiss,
 And face the future knowing this:
 Whenever things feel sad or strange,
 Who I am, will never change.



HENRIETTA JANE BROOKS (2006) died on 1 November 2023. Her father Jonathan Brooks (1967), has sent the following:

Having toyed with an offer to read history at Oxford, Henrietta chose natural sciences at Cambridge and followed this with a year at the Judge Institute. Emmanuel College, a supportive community, was gentle and forbearing as this determined young woman struggled with health issues. After Cambridge, Henrietta established herself as an investment analyst in London but eventually ill health claimed her life at 37 years.

Her firm Christian faith never faltered, and Henrietta maintained her many close friendships, first made at Emmanuel.



Lists

The Fellowship

THE HONORARY FELLOWS

- 1979 **Professor Derek Curtis Bok**, BA (Stanford), LLD (Harvard). President Emeritus, Harvard University
- 1985 **Michael Frayn**, Companion of Literature, BA, Hon LittD
- 1991 **Neil Leon Rudenstine**, BA (Princeton), MA (Oxon), PhD (Harvard). President Emeritus, Harvard University
- 1999 **Peter Michael Beckwith**, OBE, MA, Hon LLD
- 2000 **Professor Sir John Michael Taylor**, OBE, MA, PhD, FRS, FREng. Formerly 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). President Emeritus and Charles W Eliot Professor, 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, FREng, NAE, FICE, FISTructE, 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. Emeritus 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 (London), Hon DSc (Anglia Ruskin, Hull, Lincoln, Robert Gordon), FRGS. Vice-Chair and 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). 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
- 2011 **Thomas Gerald Reames Davies**, CBE, MA, BSc Hon DLitt (Loughborough), Hon LLD (Swansea), Hon DUniv (Glamorgan), Hon Fell (UWTSD), DL. Former President, Welsh Rugby Union
- Professor John Hopkins Lowden**, MA, PhD (London), FBA. Emeritus 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
- Moirá Paul Wallace**, OBE, MA, AM (Harvard). Provost, Oriel College Oxford 2013–18
- 2016 **Professor Sir 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, Hon ScD, PhD (London), FRS. Professor of Epigenetics & Cellular Memory, Collège de France; Director-General, European Molecular Biology Laboratory

- Andrew John Petter**, CM, OBC, KC, LLM, LLB (Victoria), LLD (Simon Fraser), LLD (Kwantlen). President Emeritus & Professor Emeritus, Simon Fraser University
- 2019 **Lawrence Seldon Bacow**, SB (MIT), PhD (Harvard), JD (Harvard). President Emeritus & Professor of Public Policy, Harvard University, President Emeritus, Tufts University, formerly chancellor, MIT
- 2021 **Dame Christina Caroline Lambert**, DBE, MA, KC. Justice of the High Court
- Professor Conor Anthony Gearty**, MA, PhD, Hon KC, FBA. Professor of Human Rights Law, LSE; Barrister, Matrix Chambers
- Professor Susan Rigby**, PhD, MA (Oxon). Vice-Chancellor, Bath Spa University
- 2023 **Dame Amanda Yip**, DBE, MA, Justice of the High Court
- Professor Saw-Ai Brenda Yeoh**, MA, DPhil (Oxon), Dip Ed (Singapore), FBA. Raffles Professor of Social Sciences, National University of Singapore
- Professor Sally Ann Kornbluth**, BA (Cantab & Williams), PhD (Rockefeller). President, MIT
- 2024 **Dr Siofra O’Leary**, BCL (UCD), PhD (EUI). Former judge and president, European Court of Human Rights

THE MASTER AND FELLOWS

We publish below for reference a list of the Master and Fellows as at 1 October 2024, 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
- 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
- Richard James Barnes**, MA, PhD, MB, BChir. Life Fellow. Formerly University Senior Lecturer in Physiology
- 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 in Biological Chemistry
- 1984 **Steven Rowland Boldy**, MA, PhD. Life Fellow. Emeritus Professor of Latin American Literature
- Keith Sheldon Richards**, MA, PhD. Life Fellow. Emeritus Professor of Geography
- 1985 **Stephen John Young**, CBE MA, PhD, FRS, FREng. Life Fellow. Emeritus Professor of Information Engineering
- 1986 **Nigel Jonathan Spivey**, MA, PhD. Official Fellow. College Lecturer in Classics;
- 1992 University Senior Lecturer in 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. Life Fellow. Secretary to the Governing Body
- Nigel Peake**, MA, MMath, PhD. Professorial Fellow. College Lecturer in Applied Mathematics; Professor of Applied Mathematics
- 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; Postgraduate Tutor; Praelector
- 1995 **Mark John Francis Gales**, MA, PhD. Official Fellow. Fellows' Steward; College
1999 Lecturer in Engineering; Professor of Information Engineering
- 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
- 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. Tutor; Tutor for Admissions (Arts); College Lecturer in Geography and Director of Studies; 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 and Director of Studies; Professor of Nineteenth-Century French Literature & Culture
- Corinna Russell**, MA, PhD. Official Fellow. Senior Tutor; College Lecturer in English and Director of Studies
- Robert Macfarlane**, MA, PhD, MPhil (Oxon), Hon DLitt (Aberdeen, Gloucs). Official Fellow. College Lecturer in English and Director of Studies; Professor of Literature & Environmental Humanities
- Catherine Rae**, BA (Oxon), DPhil (Oxon). Official Fellow. Assistant Postgraduate Tutor; College Lecturer in Engineering; Professor of Superalloys
- 2004 **Lionel Alexander Fiennes Bently**, Hon KC, 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. Deputy Senior Tutor; Tutor; for Admissions (Sciences); College Lecturer in Biochemistry and Director of Studies in Biological Natural Sciences; University Associate Professor at the Department of Biochemistry
- John MacLennan**, MA, PhD. Official Fellow. College Lecturer in Earth Sciences; Director of Studies in Physical Natural 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; 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 Biotechnology and Director of Studies; Professor (Reader) of Chemical Engineering
- Devon Elizabeth Anne Curtis**, BA (McGill), MA (McGill), PhD (London). Official Fellow. Adviser to Women Students; College Lecturer in Politics; University Senior Lecturer in Politics & International Studies
- Christopher Lyall Whitton**, MA, PhD, FRCO. Official Fellow. Tutor; Director of Music; Deputy Praelector; College Lecturer in Classics and Director of Studies; Professor (Reader) of 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),
2013 Doctorat (Paris Sorbonne). Official 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). Dhruv Sawhney Official Fellow. College Lecturer in Engineering; Professor (Reader) of Acoustics & Biomedical Technology
- 2011 **David Maxwell**, BA (Manchester), DPhil (Oxon). Professorial Fellow. Dixie Professor of Ecclesiastical History
- Perla Sousi**, MA, MMath, PhD, BSc (Patras). Official Fellow. College Lecturer in Statistics; Professor of Probability in the Department of Pure Mathematics & Mathematics Statistics
- 2012 **Alexander Sam Jeffrey**, MA (Cantab, Durham, Edinburgh), PhD (Durham). Official Fellow. Financial Tutor; College Lecturer in Geography and Director of Studies; Professor of 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 & Culture
- Ayşe Zarakol**, MA (Cantab & Wisconsin), MSc (Sofia), PhD (Wisconsin). Official Fellow. College Lecturer in Politics; Professor of International Relations
- 2013 **Alexander Mitov**, 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 and Director of Studies; Professor of Atmospheric Chemistry
- 2004 **Ross Wilson**, MA (Cantab & UCL), PhD. Official Fellow. Tutor; Tutor for Admissions
- 2019 (Arts); College Lecturer in English and Director of Studies; Professor (Reader) of English
- 2015 **Katherine Emma Spence**, MA, PhD. Official Fellow. Tutor; College Lecturer in Archaeology and Director of Studies; University Senior Lecturer in Archaeology
- Dominique Olié Lauga**, BS (École Polytechnique), MS (École Nationale des Ponts et Chaussées), MA (Cantab, Paris), PhD (MIT). Official Fellow. Tutor; College Lecturer in Economics and Director of Studies in Economics and Management Studies; Professor (Reader) of Marketing
- 1993 **Alexandra Walsham**, CBE, PhD, BA (Melbourne), MA (Melbourne), FBA. Official
- 2019 Fellow. College Lecturer in History and Director of Studies; Professor of Modern History
- 2017 **Thomas Sauerwald**, MA, PhD (Paderborn). Official Fellow. College Lecturer in Computer Science and Director of Studies; Professor in Computer Science & Technology
- Bettina Gisela Varwig**, BM (London), PhD (Harvard). Official Fellow. College Lecturer in Music; Professor (Reader) of Music History
- Emma Stone Mackinnon**, BA (Harvard), MA (Chicago), PhD (Chicago). Official Fellow. Tutor; College Lecturer in History and Director of Studies in History & Modern Languages, in History & Politics, and in Human, Social & Political Sciences; University Assistant Professor in History
- 2018 **Robert Logan Jack**, MA, PhD (Imperial). Official Fellow. College Lecturer in Chemistry; Professor (Reader) of Statistical Mechanics
- 2020 **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 **Khuan Teck Matthew Seah**, MSc, MBChB & BMedSci (Edin). Herchel Smith Teaching & Research Fellow in Medicine
- 2022 **Ioanna Mela**, PhD, Diploma (NTU Athens), MSc (Nottingham). Official Fellow. Tutor; College Lecturer and Director of Studies in Medicine; Royal Society University Research Fellow; University Assistant Professor of Pharmacology
- Fiona Amery**, MPhil, PhD, BA (Exeter). Research Fellow
- Harvey Dale**, MSci (Bristol), PhD (Edinburgh). John Henry Coates Research Fellow
- Gonzalo Linaras Matás**, BA, MSt & DPhil (Oxon). Research Fellow
- Saite Lu**, PhD, BSc (Ulster), MPhil (Oxon). Mead Teaching & Research Fellow in Economics. College Lecturer and Director of Studies; Adviser to BAME Students
- Elise Johanna Needham**, BSc & PhD (Sydney). Research Fellow

- Syamala Ann Roberts**, MA, MPhil, PhD. Teaching & Research Fellow in German and Director of Studies. Adviser to BAME Students
- Jessica Taylor**, BSc (Salford), PhD (Manchester). Roger Ekins Research Fellow
- 2023 **Clare Jane Pettitt**, BA, MSt, DPhil (Oxon). Official Fellow. Assistant Postgraduate Tutor; College Lecturer in English; Grace II Professor of English
- Catherine Sarah Webb**, CB, BA. Official Fellow. Bursar
- Camille Michele Helene Lardy**, MA, PhD. Teaching & Research Fellow in Social Anthropology; Teaching Associate in Social Anthropology
- Juliet Alexandra Usher-Smith**, MA, MB, PhD. Official Fellow. College Lecturer in Clinical Medicine and Director of Studies; University Associate Professor of General Practice, Department of Public Health and Primary Care
- Eleanor Myerson**, BA, MSt (Oxon), PhD (London). Research Fellow
- Efthimios Karayiannides**, PhD, BA (Witwatersrand). Research Fellow
- Nikita Sushentsev**, PhD, MD (Moscow). Research Fellow. Honorary Clinical Fellow, Department of Radiology, School of Clinical Medicine
- Florentine Stolker**, MSt, DPhil & DLS (Oxon), LLB & LLM (Leiden), LLM (Amsterdam). Herchel Smith Teaching & Research Fellow in Law and Director of Studies
- 2024 **David Collins**, PhD, MEng (Imperial), PGCHE (Birmingham). Official Fellow. Tutor for Admissions (Sciences); Mike Ashby Associate Professor of Materials Science
- Albert Guillén I Fàbregas**, MSc (UP Catalunya), MSc (Politecnico di Torino), PhD (EPF Lausanne). Official Fellow. College Lecturer in Engineering; Professor of Communications & Information Theory, Department of Engineering
- Sebastian Gorgon**, PhD, BSc (London). Research Fellow
- Cecilia Padilla-Iglesias**, MPhil, BSc (London), PhD (Zurich). Alan Wilson Research Fellow
- Monika Kudlinska**, MSc (Bristol), DPhil (Oxon). Meggitt Research Fellow. Director of Studies in Pure Mathematics
- Olivia Formby**, BA (Queensland), MPhil (Queensland). Research Fellow
- David Mark Douglas**, BA (McGill), MA (Victoria). 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). Acting Fellows' Steward; Director of Studies in History
Glynn Winskel, MA, ScD, MSc (Oxon), PhD (Edinburgh), MAE, FRS
- 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 **Simon Lebus**, CBE, 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; Senior Lecturer in 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 (Oxon), BCh (Oxon), MSc (London). Director of Studies in Clinical Medicine; Clinical Professor (Reader) of Palliative Care, School of Clinical Medicine
- 2015 **Ian Michael David Edwards**, MA. Associate Partner, More Partnership
Baron Jean Christophe Iseux von Pfetten, 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 **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 Intensive Care Medicine, Addenbrooke's Hospital
James Fox, MA, PhD. Director of Studies in the History of Art
- 2021 **David Hughes**, BA. Director of Finance, University of Cambridge
Cassia Hare, MA, VetB, MRCVS. Director of Studies in Veterinary Medicine; Clinical Veterinarian in Clinical Pathology, Queen's Veterinary School Hospital, University of Cambridge

- 2022 **Abhishek Mehool Patel**, MA, MPhil
Muzaffer Kaser, MPhil, PhD, MD (Istanbul). Affiliated Assistant Professor, Department of Psychiatry, School of Clinical Medicine
Graham Hugh Walker, MA, LRAM. Director of Music
Daniel John Thomas McKay, MPhil, PhD, BA & LLB (ANU). Director of Emma Experience
Mihaela van der Schaar, BSc & PhD (Eindhoven). John Humphrey Plummer Professor of Machine Learning, AI & Medicine
Petia Svetomirova Tzokova, MEng, PhD. Affiliated Lecturer, Department of Engineering
- 2023 **Andrew Conway Morris**, MB, ChB (Glasgow), PhD (Edinburgh). Medical Research Council Clinician Scientist & Honorary Consultant in Intensive Care Medicine, Addenbrooke's Hospital
Diarmuid O'Brien, PhD (Sheffield). Pro-Vice-Chancellor for Innovation; Chief Executive Officer, Cambridge Enterprise

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
Thomas Martin, OBE, JP, DL, MA
- 2022 **Rakesh Patel**, MA
Fiona Susan Finlay, BSc (Bristol)
Robert Derek Finlay, MA
Heather Adkins
William Frederick Harris, MA, MSc (Oxon)
- 2024 **Edward Hugo Darlington**, PhD, BSc (Durham)

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)
- 2019 **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 Christina Becker, Vordip (Passau), Dip ESCP
David Roger Land, MA (Cantab & Harvard), PhD (Harvard)
- 2022 **Richard Anthony Bladon**, MA, MPhil (Reading), DPhil (Oxon)
Elizabeth M Cholawsky, BA (Franklin & Marshall), PhD (Minnesota)
Shazad Ghaffar, BA, MSc (London)
Syeda Matanat Mohsin, MA
Kevin Roon, AB (Dartmouth), MA (Middlebury), PhD (NYU)
Simon Daniel Yates, MA
Graham Cedric Platts, MA
- 2024 **David James Seddon**, MBBCh, MD, BA (Oxon)
Anthony Whiting, PhD (Columbia)

DEREK BREWER VISITING RESEARCH FELLOWS, 2024–25

Joseph Mackay, BA (Dalhousie), LLM (Kent), PhD (Toronto). Michaelmas term

Gokce Ustunisik, BS (Ankara), MS (Ankara), PhD (Cincinnati). Lent term

Stefan H Uhlig, MA, PhD. Easter term

VISITING FELLOW

Kristin Norrie, BFA, MA & DPhil (Oxon). Judith E Wilson Poetry Fellow, University of Cambridge

COLLEGE RESEARCH ASSOCIATES

2018 **Diarmuid Hester**, English literature, PhD (Sussex)

2020 **Darren Ould**, chemistry, PhD (Cardiff)

2022 **Aleksei Belyi**, genetics, PhD (LMU Munich)

Andrew McDonald, engineering, PhD

2023 **Katherine Berthon**, ecology, PhD (RMIT Melbourne)

Zeynap Clulow, energy policy, PhD (Nottingham)

Dariusz Czernecki, molecular biology, PhD (Institut Pasteur, Sorbonne)

Rennan De Souza Lemos, archaeology, PhD

Lida Derevenina, plant sciences, PhD (Sydney)

Toon Dirkx, POLIS, PhD (Basel)

Katherine Emery, music/history, PhD (KCL)

Simon Etkind, palliative medicine, MB BChir, PhD (KCL)

Alison Eyres, zoology, PhD (Frankfurt)

Javier Fajardo, ecology/geology, PhD (UIMP Madrid)

Kayla Friedman, sustainability/architecture, PhD

Terry Generet, physics, PhD (Aachen)

Yangqi Gu, molecular biology, PhD (Yale)

Nicholai Hensley, ecology/zoology, PhD (UC Santa Barbara)

Benjamin Jenkins, biochemistry, PhD (Exeter)

Olesya Kolmakova, plant sciences, PhD (Siberian Federal)

Iryna Korotkova, materials science, postgraduate studies (Kharkiv)

Charlotte Kukowski, psychology, PhD (Zurich)

Leonardo Mancini, microbiology/physics, PhD (Edinburgh)

Amy Mason, mathematical physics, PhD (Bristol)

Julia Perczel, social anthropology, PhD (Manchester)

Silviu Petrovan, zoology, PhD (Hull)

Fabian Rehm, molecular biology, PhD (Queensland)

Leiv Rønneberg, biostatistics, PhD (Oslo)

Aslam Shiraz, gynaecological oncology, MB BChir, PhD

Jake Tobin, haematology, MB BChir

Emre Usenmez, finance/economics/law, PhD (Aberdeen)

Mari van Emmerik, theology, DPhil (Oxford)

Charlotte Wheeler, ecology/plant sciences, PhD (UCL)

Craig Yu, materials science/chemistry, PhD (Tokyo)

2024 **Dewi Alter**, history & Celtic studies, PhD (Cardiff)

Alessio Cela, pure mathematics, PhD (ETH Zurich)

Courtney Currier, environmental sciences/plant sciences, PhD (Arizona State)

Vanessa Cutts, geography/zoology, PhD (Nottingham)

Louise Drake, geography, PhD

Makafui Dzudzor, agricultural economics, PhD (Bonn)

Will Flynn, environmental sciences/plant sciences, PhD (Queen Mary London)

Emma Fromberg, design engineering, PhD (Delft)

Annette Green, geography, PhD

Jaydeep Pancholi, management, PhD (Heriot-Watt)

Stephen Sharp, medical statistics, MSc (London School of Hygiene & Tropical Medicine)

Frederick Simmons, religious ethics/divinity, PhD (Yale)

Eleanor Toye Scott, psychology/computer science, PhD

The College Staff

ARRIVALS

Bursary

Carla Crosby, HR manager

Gosia Lelusz, senior accounts assistant

Cheryl Torbett, personal assistant to the Bursar

Catering

Paul Maskell, chef de partie

Giovanna Ramos Chipana, food service assistant

Daniel Richardson, kitchen porter

Development

Jack Cooper, communications & events manager

Emma Experience

Fiona Nunn, deputy director

Fire, Health & Safety

Mike Proudfoot, fire, health & safety officer

Gardens & Sportsground

Emily McMullen, WRAGS trainee

Martin Place, landscape gardener

Household

Alicia Howlett, bedmaker

Maryna Makarenko, bedmaker

Sylvia Nortey, bedmaker

Ewa Warowa, bedmaker

Fernando Zelarain, household services assistant

Information Services

Amro Alradaideh, IS support engineer

Library

Amy Leahy, college librarian

Maintenance

Michael Pope, carpenter & joiner

Dave Saggs, electrician

Scot Wickham, plumbing & heating engineer

DEPARTURES

Bursary

Tabs Robelou, HR & pensions coordinator

Catering

Katherine Sims, food service supervisor

Remelo Toca, chef de partie

Gardens & Sportsground

Kate Cook, WRAGS trainee

Andrew Luetchford, landscape gardener

Household

Sheila Armstrong, bedmaker

Wiktoria Belz, bedmaker

Harry Ngatchu, household services assistant

Malgorzata Sommer, bedmaker

Iwona Suchocka, bedmaker

Christine Willis, bedmaker

Human Resources

Laura Boyd, HR coordinator

Library

Helen Carron, college librarian

Maintenance

James Larkin, plumbing & heating engineer

Tutorial

Marion Dorkings, Senior Tutor's secretary

INTERNAL MOVES

Odean Davids, from food services assistant to food service supervisor in catering

Francesca Mann, from schools liaison to outreach & widening participation coordinator in tutorial

Donna Pilsworth, from food services assistant to food services supervisor in catering

Stuart Taylor, from kitchen porter in catering to gate porter in the Lodge

Academic Record

MATRICULATIONS

The number of matriculations during the academical year 2023–24 was 214. The names are given below.

Undergraduates

Rohan Andre Chandra Agarwal

Hurstpierpoint College

Natural Sciences

Lauren Airey

Lancaster Girls' Grammar School

Natural Sciences

George Allwood

Anthony Gell School, Matlock

Human, Social & Political Sciences

Thomas Angell

Latymer Upper School, London

Mathematics

Henry Frederick George Appleby-Taylor

King's College School, London

Music

Frances Archibald

Highfields School, Matlock

Economics

Anton Ariens

The Grammar School at Leeds

Natural Sciences

Tahmid Azam

Magdalen College School, Oxford

Medical Sciences

Ashwin Clark Balakrishnan

Hawken School, USA

Natural Sciences

Marcus Barfield

Reigate College

Veterinary Sciences

Rhiannon Barton

Leicester Grammar School

Anglo-Saxon, Norse & Celtic

Christopher Batten

Winchester College

Geography

Lorna Beal

Surbiton High School

Anglo-Saxon, Norse & Celtic

Shashank Bhandari

Leicester Grammar School

Economics

Sachin Bhogal

King's College School, London

Economics

Syed Bilgrami

Sutton Grammar School

Mathematics

Benedict Thomas Binu

Bishop Wordsworth's Grammar School,

Salisbury

Natural Sciences

Lowenna Mae Biscoe

Marling School, Stroud

Human, Social & Political Sciences

Frida Bradbrook

Camden School for Girls, London

History

Sophia Joanne Brehm

Headington School, Oxford

History & Modern Languages

Timothy Browning

Woking College

*History***Benedict Bruene**King's College London Mathematics
School*Engineering***Morgan Brunt**

The Sixth Form College Colchester

*Veterinary Sciences***Noe Ceasar**

Harris Westminster Sixth Form, London

*English***Yvonne Xin Meng Chen**

The Perse School, Cambridge

*Asian & Middle Eastern Studies***Yuran Chen**Wycombe Abbey School Changzhou,
China*Natural Sciences***Zoe Joanna Clark**

Durham Johnston Comprehensive School

*Medical Sciences***Toby Clark**

Felsted School

*Natural Sciences***William Contreras**

St Peter's School, York

*History***Katherine Copp**

The Gryphon School, Sherborne

*History & Modern Languages***Alex Daniels**

Pate's Grammar School, Cheltenham

*Mathematics***James Dawson**

Haberdashers' Boys' School, Elstree

*Mathematics***Olga Devine**

Latymer Upper School, London

*History***Nimran Dhaliwal**

Bancroft's, Woodford Green

*Law***Kiran Diamond**

The Perse School, Cambridge

*Natural Sciences***Zebedee Dodson**

Bennett Memorial Diocesan School,

Tunbridge Wells

*Computer Science***Tobias Doye**

Cheney School, Oxford

*Mathematics***Daria Dusea**

Coloma Convent Girls' School, Croydon

*English***Thomas Elkeles**

Reigate Grammar School

*History & Politics***Adelaide Fasham**

Cirencester College

*History***Ella Fleming**The Charter School North Dulwich,
London*History & Politics***Hazel Frampton**

Royal Latin School, Buckingham

*Engineering***Zhe Fu**

The Leys School, Cambridge

*Engineering***Amelie Gadsby**

North London Collegiate School

*Engineering***Suzanne Goveas**

Tanglin Trust School, Singapore

*Chemical Engineering & Biotechnology***Saffi-Mae Graham**

Rugby High School

Archaeology

Charlotte Graham

The Tiffin Girls' School, Kingston upon
Thames

Law

Sergio Grannum

Reading Blue Coat School

Medical Sciences

Emma Grindey

Oxford High School GDST

History

Jacob Hardy

Trinity Catholic High School, Woodford Green

Natural Sciences

Nikolai Harin

The Tiffin School, Kingston upon Thames

Modern & Medieval Languages

Connor James Harrison

The Bulmershe School, Reading

Medical Sciences

Elizabeth Higgins

Gosforth Academy, Newcastle upon Tyne

Linguistics

Sophie Hildreth

The Tiffin School, Kingston upon Thames

History & Modern Languages

Chi Hin Ho

Chinese University of Hong Kong

JYA Visiting Student

Education

Catherine Hollamby

Highgate School, London

Veterinary Sciences

Yuxuan Hou

The Experimental School, Zhuhai High
School, China

Mathematics

Jiayu Hu

Hwa Chong Institution, Singapore

Natural Sciences

Wentao Huang

St Paul's School, London

Economics

Aidan Hynes

City of London School

Natural Sciences

Benjamin Isherwood

Royal Grammar School, Guildford

Natural Sciences

Roksolana Ivanchuk

Hills Road Sixth Form College, Cambridge

Engineering

Aahana Jain

King Edward VI Camp Hill School for Girls,
Birmingham

Natural Sciences

Charles Jessett

Stamford Endowed Schools

Human, Social & Political Sciences

Sara Jones

Ysgol Gymraeg Bro Morgannwg, Barry

English

Ethan King

Westcliff High School for Boys

Modern & Medieval Languages

Harriet Knights

Sir Isaac Newton Sixth Form Free School,
Norwich

Mathematics

Caelan Landers

King's College School, London

English

Jiayi Li

Raffles Junior College, Singapore

Natural Sciences

Edwin Wei Keat Lim

National University of Singapore

UPI Exchange Student

Law

Yuet Ming Lin

Diocesan Boys' School, Hong Kong

Natural Sciences

Jack Lipman

Magdalen College School, Oxford

Natural Sciences

Tian Lang Liu

Tapton School, Sheffield
Mathematics

Jessica Logan

Ipswich High School
Engineering

Julia Long

Woodbridge School
English

Peter Longstaff

Richmond School & Sixth Form College
Geography

Clara Loughran

Tapton School, Sheffield
Natural Sciences

Michael Lucas

Bristol Grammar School
Mathematics

Daniele Lucini

Gower College Swansea
Natural Sciences

Joseph McGuinness

Harrow School, London
Classics

James McKnight

Colchester Royal Grammar School
Human, Social & Political Sciences

Amelie Martin

Hills Road Sixth Form College, Cambridge
Natural Sciences

Freya Matthews

City of Norwich School
Archaeology

Aaran Mehmood

Altrincham Grammar School for Boys
Law

Nishchal Mistry

Leicester Grammar School
Engineering

Harry Mitchell

Loughborough Grammar School
Modern & Medieval Languages

Chun Hei Mok

S K H Tsang Shiu Tim Secondary School,
Hong Kong
Mathematics

Arabella Monyo

Graveney School, London
Medical Sciences

Sophia Moreno

Magdalen College School, Oxford
Human, Social & Political Sciences

Priscilla Nana-Sakyi

Brampton Manor Academy, London
Natural Sciences

Hira Naqvi

Wirral Grammar School for Girls
Medical Sciences

Amaan Omar

The Sixth Form College, Farnborough
Engineering

Tiancheng Pan

Westminster School
Mathematics

Vinson Wen Shen Pang

Winchester College
Natural Sciences

Aria Patel

North London Collegiate School
Medical Sciences

Miles Peacock

The Judd School, Tonbridge
Geography

Luke Peters

The Skinners' School, Tunbridge Wells
Natural Sciences

Luka Pivovarsky

King's College School, London
Engineering

Gabriel Poraj-Pstrokowski

Davenant Foundation School, Loughton
Engineering

Holly Powell

Hayesfield Sixth Form, Bath
Veterinary Sciences

Siding Qin

Littleover Community School, Derby
Medical Sciences

Matthew Alan Raggett

The Commonweal School, Swindon
Engineering

Isabella Ralph

Wimbledon High School
History of Art

Elise Ricard

Université Côte d'Azur
Erasmus Exchange Student
English

Benjamin Nicolas Rock

Queen Elizabeth's School, Barnet
Natural Sciences

Jessica Rose Romils

The Blue Coat School, Liverpool
Medical Sciences

Norah Rouffaert

Mill Hill County High School, London
Music

Matthew Saunders

Sir Joseph Williamson's Mathematical
School, Rochester
Medical Sciences

Nicolette Shallow

St Joseph's Convent, Trinidad & Tobago
Modern & Medieval Languages

Kiran Shiatis

Newstead Wood School, Orpington
Mathematics

Edward Simpson

Allestree Woodlands School, Derby
Engineering

Thisha Sivakumar

Greenford High School, London
Engineering

Iben Sollewijn Gelpke

Nonsuch High School for Girls, Sutton
Geography

Anastasia Solyanyk

New Hall School, Chelmsford
Law

Thomas Speke

Colyton Grammar School
Chemical Engineering & Biotechnology

Aditya Sridhar

Dubai College, UAE
Medical Sciences

Alisha Sri-Ram

Henrietta Barnett School, London
Medical Sciences

Jacob Stephen

Brentwood School
Psychological & Behavioural Sciences

Barnabas Steventon-Barnes

Farlingaye High School, Woodbridge
Medical Sciences

Kalina Stoyanova

St Olave's & St Saviour's Grammar School,
Orpington
Law

Louis Summers

Westminster School, London
Natural Sciences

Weiyen Tan

The Swan School, Oxford
Law

Seth Thompson

Trinity School, Croydon
Engineering

Lila Timpson

Esher Sixth Form College
Psychological & Behavioural Sciences

Madeleine Tolley

Rugby High School
Natural Sciences

Aarav Tribhuvan

Harrow School, London
Natural Sciences

Rose Turner

King Edward VI Camp Hill School for Girls,
Birmingham
Theology, Religion & Philosophy of Religion

Benjamin Vary

Royal Grammar School, Guildford
Natural Sciences

Samuel Wakefield

Loreto College, Manchester
Computer Science

Charles Walton

Benton Park School, Leeds
Architecture

Ziyuan Wang

Acabridge College, Shanghai, China
Economics

Alexander Frederik Weiss

Westminster School, London
Engineering

Caitlin Westlake

Bedford Sixth Form
Human, Social & Political Sciences

Bethany White

Hills Road Sixth Form College, Cambridge
Medical Sciences

Thomas Williams

Stockport Grammar School
Geography

Boaz Hin Yi Wong

Dr Challoner's Grammar School,
Amersham
Engineering

Madeleine Wood

Greenhead College, Huddersfield
English

Olivia Wright

Newstead Wood School, Orpington
Natural Sciences

Hannah Xing

King Edward VI Five Ways School,
Birmingham
Medical Sciences

*Postgraduates***Finn Page Andrews**

University of Oxford
Master of Philosophy in Economics

Natalie Margaret Arands

Cardiff University
Master of Philosophy in Music

Harriet Jill Atherton

University of Oxford
PhD in Plant Sciences

Haochen Bai

McGill University, Canada
PhD in Chemistry

Minnal Balaji

University of Manchester
*PhD in Physiology, Development
& Neuroscience*

Sophie Barnett

Gonville & Caius College, Cambridge
Master of Philosophy in Philosophy

Eshny Beeharry

Imperial College London
Executive Master of Business Administration

Alexandra Diolinda Bettez

Williams College, USA
*Master of Philosophy in Health, Medicine
& Society*

Daisy Natalie Cave

Hughes Hall, Cambridge
Master of Education (Transforming Practice)

Sumedha Chakravarthy

University of Oxford
PhD in Social Anthropology

Hui (Tracey) Chen

University College London
*Master of Philosophy in Population
 Health Science*

Rachel Chen

Harvard University, USA
*Master of Philosophy in Population
 Health Science*

Thomas Cowperthwaite

Imperial College London
Master of Research in Physical Sciences

Katie Crowfoot

University of Manchester
*Master of Philosophy in Modern British
 History*

Ali Dadashzade

University of Bath
*Executive Master of Business
 Administration*

Noah Philipp Dormann

Technical College Munich, Germany
*Master of Philosophy in Machine Learning
 & Machine Intelligence*

Nmesomachukwu Immaculata

Egwuekwe
 Federal University of Technology Owerri,
 Nigeria
Master of Philosophy in Energy Technologies

Yasmine El Hajj

New York University Abu Dhabi, UAE
PhD in Medical Science

Shelley Evans

La Trobe University, Australia
PhD in Pathology

Kitty Fry

School of Oriental & African Studies,
 University of London
Master of Law

Emily Gray

University of Nottingham
Postgraduate Certificate in Education

Chloe Heath

University of Portsmouth
Executive Master of Business Administration

Xufeng Huang

University of Kent
Master of Finance

Klavs Jermakovs

University of Tartu, Estonia
PhD in Chemistry

Reine Endika Juwita

University of Indonesia
Master of Finance

Natsuha Kataoka

Soka University of America
*Master of Philosophy in Asian & Middle
 Eastern Studies*

Caleb Kimball King

Harvard University, USA
*Master of Philosophy in Asian & Middle
 Eastern Studies*

Hana Nancy Lang

Harvard University, USA
*Master of Advanced Study in Mathematical
 Statistics*

Bohm Lee

Seoul National University, Republic of Korea
PhD in Development Studies

Hugo Lefebvre

University of Montreal, Canada
Master of Law

Wing Fung (Vincent) Leung

Association of Chartered Certified
 Accountants
Executive Master of Business Administration

David Lewis

Sidney Sussex College, Cambridge
Master of Studies in Coaching

Allison Wei Li

Williams College, USA
*Master of Philosophy in Population
 Health Science*

Alvin Lin

University of California, Berkeley, USA
Executive Master of Business Administration

Junying Liu

University of California, San Diego, USA
Master of Philosophy in Archaeological Science

Tianyi Lu

University College London
Master of Philosophy in Medical Science (Clinical Biochemistry)

Ranjith Mamatha Sheshadri Gowda

Viswesvariah Technological University, India
Master of Philosophy in Machine Learning & Machine Intelligence

Connor Patrick Middleton

Williams College, USA
PhD in Education

Roshni Mistry

Newnham College, Cambridge
Final MB Exam

Mhd Hussein Murtada

St Catharine's College, Cambridge
PhD in Chemistry

Tung Huu Nguyen

University of Wisconsin, USA
PhD in Chemistry

Helen Nielsen-Scott

University of Oxford
Postgraduate Certificate in Education

Madeline Anna Ohl

Williams College, USA
Master of Philosophy in Biological Science

Mayowa Molawa Olagunju

University of Buckingham
Master of Law

Carlos Orjuela

Leiden University, Netherlands
Certificate of Postgraduate Studies in Legal Studies

Suren Maz Pahlevan

Selwyn College, Cambridge
PhD in Music

Berenice Pardo Zolezzi

University of Cambridge
Master of Studies in Social Innovation

Joshua Gene Parker

Palm Beach Atlantic University, USA
PhD in Divinity

Sebastian Pujalte

Clare College, Cambridge
PhD in Chemistry

Adhitya Khemal Rachmadi

Sepuluh Nopember Institute of Technology, Indonesia
Master of Business Administration

Kayton Elizabeth Rotenberg

Harvard University, USA
Master of Philosophy in Medical Science

Ammaar Ahmed Saeed

Harvard University, USA
Master of Philosophy in Biological Science

Francis Schofield

University of York
Postgraduate Certificate in Education

Ellen Schrader

Radboud University, Netherlands
PhD in Medical Science

Emma Serle

University of Oxford
Postgraduate Certificate in Education

Manu Sharma

Birla Institute of Technology and Science, India
Master of Business Administration

Gregory Douglas Stark

KU Leuven, Belgium
PhD in Divinity

Charlotte Struyf

University of Toronto, Canada
Master of Law

Shiye Su

Princeton University, USA
Master of Philosophy in Advanced Computer Science

Chenyang Sun

Williams College, USA
Master of Advanced Studies in Pure Mathematics

Alicia Suriel Melchor

Goldsmiths College, London
PhD in Film & Screen Studies

Rathvir Tandon

London School of Economics & Political Science
Master of Advanced Studies in Mathematical Statistics

Zsigmond Telek

Imperial College London
Master of Philosophy in Machine Learning & Machine Intelligence

Connel Mackenzie Timmons

University of Victoria, Canada
Master of Business Administration

Birukti Tsige

Harvard University, USA
Master of Studies in Creative Writing

Dalma Vatai

Homerton College, Cambridge
Master of Philosophy in Sociology

Stella Aurelia Irene Wernicke

University of Heidelberg, Germany
Master of Philosophy in Biological Science (Psychology)

Peter John Llewellyn Winch

Fitzwilliam College, Cambridge
PhD in Divinity

Jun Yao Andrew Wong

National University of Singapore
PhD in Materials Science

Jasmine Meili Wright

University of Virginia, USA
Master of Business Administration

Peifeng Xu

Girton College, Cambridge
PhD in Chemistry

Molly Florence Young

University of Warwick
Master of Philosophy in English Studies

Shu Yuan Zhang

University College London
Master of Philosophy in Ethics of AI, Data and Algorithms

Cecilia Yuyan Zhou

Harvard University, USA
Master of Philosophy in History of Art & Architecture

*French Lectrice***Sakura Yor**

École Normale Supérieure de Lyon, France

The number of students starting postgraduate courses during the academical year 2023–24 who had previously matriculated at Emmanuel as an undergraduate was 26. The names are given below.

Alexandru Cornel Abrudan

PhD in Chemistry

Phoenix Ali

Master of Philosophy in Social Anthropology

Aaran Amin

Master of Philosophy in Economics

Elena Ball

Bachelor of Veterinary Medicine: Final Exam

Benjamin Joshua Blaker

Master of Philosophy in Economic Research

Odessa Esme Chitty

Master of Philosophy in Polar Studies

Magnus Dahl Handley

PhD in Physics

Emma Wing Sum Jones

Bachelor of Veterinary Medicine: Final Exam

Edwin Koubeh

*Bachelor of Medicine & Surgery:
Final MB Exam*

James Peter Lane

PhD in Biostatistics

Clare Elizabeth Leong

PhD Programme for Health Professionals

Charlotte McConnell

*Bachelor of Medicine & Surgery:
Final MB Exam*

Neel Shashank Maniar

*Master of Philosophy in Data Intensive
Science*

Vignes Manogaran

*Bachelor of Medicine & Surgery:
Final MB Exam*

Bethan Tiba Mapes

*Master of Philosophy in Development
Studies*

Sebastian Mobus

*Bachelor of Medicine & Surgery:
Final MB Exam*

Mary Okeke

*Bachelor of Medicine & Surgery:
Final MB Exam*

Maxwell Pusey

*Bachelor of Veterinary Medicine:
Final Exam*

Elisa Rahman

Master of Architecture

Davelle Reid

*Bachelor of Medicine & Surgery:
Final MB Exam*

Helena Sinjan

*Bachelor of Medicine & Surgery:
Final MB Exam*

Toby Smallcombe

*Bachelor of Medicine & Surgery:
Final MB Exam*

Cameron Stephen

*Bachelor of Medicine & Surgery:
Final MB Exam*

Alexander Sutton

*Bachelor of Medicine & Surgery:
Final MB Exam*

Aaron Williams

*Bachelor of Medicine & Surgery:
Final MB Exam*

Jenny Zhang

*Bachelor of Medicine & Surgery:
Final MB Exam*

SCHOLARSHIPS, EXHIBITIONS AND PRIZES 2024

Bachelor Scholarships

Elections

A Ganesh, R A Mackey, G E M Muldowney

Re-elections

E Grosz, E O'Brien

Windsor Bachelor Scholarships

Elections

S A Afzal, F B Clarkson, M Y Luo, A E G Segre Carnell

Honorary Bachelor Scholarships

Elections

G Adler, R M Caddy, A Clark, S Dahdi, T M Driver, A Ferra, A Gent, A Ibbott, A L Kowalska, J Liu, S C Ng, Y Shen, I C Thomas, A Tripathi, B Walkowiak, W Wang, A D J Wilson, F M Wright

Peter Morris Bachelor Scholarship

A Gohil, C M Herkommer

Adrian Martinez Scholarship

Not awarded in 2024

Senior Scholarships

Elections

L Airey (Davies), H F G Appleby-Taylor (Greenwood), T Azam (Prettejohn), A C Balakrishnan (Davies), M Becker (Davies), B Beremenyi (Langley), S Bhandari (Smith), B T Binu (Davies), S J Brehm (Hunter), N D Brown (Braithwaite Batty), T Browning (Owen), A Carter (Hunter), Y Chen (Davies), Y X M Chen (Sands), L A N Clark (Frank Marriott), J Dawson (Braithwaite Batty), K Diamond (Davies), T Doye (Braithwaite Batty), H Frampton (Frank Marriott), E A Franks (Frank Marriott), A Gadsby (Frank Marriott), S Goveas (Davies), S Grannum (Prettejohn), E Higgins (Sands), W Huang (Smith), G N Kenyon (Greenwood), J Li (Davies), Y M Lin (Davies), J Lipman (Davies), G Lloyd (Owen), J Lu (Davies), M Lucas (Braithwaite Batty), A Martin (Davies), C H Mok (Braithwaite Batty), V W S Pang (Davies), L Peters (Davies), D Petrie (Davies), L Pivovarsky (Frank Marriott), S Qin (Prettejohn), I Simmonite (Braithwaite Batty), E Simpson (Frank Marriott), E Smith (Ash), A Sri-Ram (Prettejohn), B Steventon-Barnes (Prettejohn), K Stoyanova (Ash), L Stuart (Frank Marriott), L Summers (Davies),

L Timpson (Morris), A F Weiss (Frank Marriott), C Westlake (Smith), O Wright (Davies), Z Yu (Frank Marriott)

Re-elections

J D Albin (Smith), L Beever (Frank Marriott), N H Cheng (Braithwaite Batty), M Clark (Hunter), C E Day (Davies), O Y Du (Ash), M Ferguson (Davies), O Gibson (Prettejohn), E Gilmartin (Welford Thompson), C J Goh (Davies), M Gray (Davies), E F M Hartley (Saxelby), A Headley (Smith), K Jain (Smith), L John (Prettejohn), C Knight (Braithwaite Batty), A Lastmann (Braithwaite Batty), K Lee (Frank Marriott), K R Y Lee (Prettejohn), H Oya-Knight (Prettejohn), V Penzyev (Davies), K M Perry (Hunter), H Robijns (Davies), R Sandhu (Davies), K D Sharma (Braithwaite Batty), D Thannippuli Gamage (Davies), I Whalley (Saxelby)

Senior Exhibitions

Elections

R A C Agarwal, G Allwood, F Archibald, M Barfield, R Barton, C Batten, L Beal, R Bennett, W Bennett, S Bhogal, S M Bilgrami, L M Biscoe, L E Boscott, R L Bourne, F Bradbrook, B Bruene, N Ceasar, T Clark, Z J Clark, W Contreras, J Cooper, H Coulstock, A Daniels, O Devine, N Dhaliwal, D-G Dusea, T Elkeles, A Fasham, E Fleming, Z Fu, A Graham, C Graham, S-M Graham, E Grindey, N Harin, S Harvey, E Hearn, S Hildreth, C Hollamby, J Hu, A Hynes, B Isherwood, D M A Islam, R Ivanchuk, A Jain, F L Jarvis, B Jermy, C Jessett, K Jones, S Jones, E King, E Lancaster, C Landers, T L Liu, H H C Lo, P Longstaff, C Loughran, D Lucini, C J McAteer, J McGuinness, J McKnight, A Marine, F Matthews, A Mehmood, N Mistry, H Mitchell, A Monyo, S Moreno, H Naqvi, J Nogbou, A Omar, T Pan, A Patel, M Peacock, G Poraj-Pstrokonski, H Powell, R Prentis, M A Raggett, I Ralph, B N Rock, N Rouffaert, M Saunders, N C M V Shallow, I Sollewijn Gelpke, A Solyanyk, A Soneja, T Speke, A Sridhar, J Stephen, W Tan, S Thompson, M Tolley, S T C Tong, A Tribhuvan, R Turner, A Verhoosel Azpiroz, S Wakefield, E Wallace, C Walton, Z Wang, B White, T Williams, G A B Winder, B H Y Wong, M Wood, A Woodcock, H Xing, K Ye, Y L Yeap

Re-elections

N Abdul Rasheed, P Almond, C Baar, N K Basran, J Bates, S A B Beck, E Bello, M Bennett, J Bhattacharyya, M J Bowler, S Brahmadevara, F Brickman, T Buddhavarapu, I Bullen, A Burgos Mondejar, L Carbonez, T Caskey, I Cassidy, H J Cho, O Clift, J J Conway, L Cookson, P L Cowhig, C d'Orleans, F Daines, D Dent, N Dobson, A E L Dunn, M Francesconi, H Frith, M Fuller, K D Gandhi, K M Geddes, Z Gunasekera, A Gupta, T Hardie, A A Harris, A L Hawkins, A D R Hayes, O Hill, K Johnston, N K Kang, S Lee, A Lemaire, P Lewis, M E Lopez Ticianelli, J McAllister, E McCartney, M T Macleod, R E McPherson, D Maroto-Andresen, E Marshall, I May, E Mayhew, S Mieliauskaite, M J A Miskin, R Mokete, T Moran, A Morrison, T Neale, P A Nix, E Orr, D Orzel-Walker, O Parker, A Partridge, G Pool, J Popoola, J Pyman, M A Qasimi, C H Reynolds, J Robinson, M Ruszkowski, M E Sissons, B Sivasritharan, L Sneddon, A Soar, J Speers, M Taylor, H Thenuwara, G Trujillo Rodriguez de Ledesma, N C R Weston, S Williams, B Xu

College Prizes

G Adler, T G Adolphus, S A Afzal, E Allen, H F G Appleby-Taylor, T Azam, A C Balakrishnan, M Becker, L Beever, B Beremenyi, S Bhandari, B T Binu, N D Brown, T Browning, L L J Butler, Y Chen, Y X M Chen, L M Christou, F B Clarkson, D J Dakin, J Dawson, E A R Dougans, T Doye, T M Driver, M Ferguson, H Frampton, E A Franks, A Ganesh, O Gibson, E Gilmartin, C J Goh, S Goveas, S Grannum, M Gray, A Headley, J L Hepworth, E Higgins, W Huang, E Hueffer, L John, G Johnson, M Johnson, D Kaddaj, N Kemp, G N Kenyon, K R Y Lee, J Li, Y M Lin, J Lipman, J Liu, G Lloyd, J Lu, R A Mackey, A Martin, L I Martin, R J Mason, S C Ng, J X Ong, V W S Pang, V Penzyev, K M Perry, L Peters, D Petrie, L Pietroni, B L O Richards, L C Roberts, H Robijns, R Sandhu, A E G Segre Carnell, Y Shen, L Smith, B Steventon-Barnes, L Summers, R Tandon, D Thannippuli Gamage, I C Thomas, L Timpson, A Tripathi, T M Wait, B Walkowiak, W Wang, A F Weiss, C Westlake, A D J Wilson, F M Wright, O Wright, A K Yang, W Y Ying

Named College Prizes and Awards

Abdul Aziz: A Gohil

Zainab Aziz: J D Albin, R Morter, B L Ng

Bokhari: A Carter

Braithwaite Batty: N H Cheng, A L Kowalska, A Lastmann, M Lucas, C H Mok, K D Sharma, I Simmonite

Elisabeth & Derek Brewer: M Clark

Andrew Bury: L Airey

John Clarke Prize (Part IA): A Sri-Ram

John Clarke Prize (Part II): M Y Luo

William Coupe: I Whalley

Robert Dobson: S J Brehm

M T Dodds: A Ibbott, V H Kamath, C Knight, J Lester

Glover: Not awarded in 2024

Hackett: E F M Hartley

Henderson: K Diamond

Albert Hopkinson: S Qin

Dick Longden: F Apostoaie, A Ferra

Colin MacKenzie: H Oya-Knight

Master & Tutors': O Y Du

Odgers: Z Y Chow, K Fry, A Gent, E W K Lim

Pattison: E R Lovick

Peake: C E Day

Herman Peries: B M Risebrow

Quadling: I May, C Swainston

Bill Ray: Z Yu

Rodwell: C Struyf

Peter Slee: C M Herkommer

Edward Spearing: S Dahdi

Sudbury-Hardyman: A Clark, N Land, Louie Pietroni

H J & C K Swain: E Simpson

Dr Arthur Tindal Hart: A O Addinall

Vaughan Bevan: E Smith

Wallace: L A N Clark, A Gadsby, K Lee, L Pivovarsky, B L C Silva, L Stuart,

Olive Ward: R M Caddy

Peter Ward: K Jain, C Slee

Sir David Williams: K Stoyanova

T J Williams: E Ashley

Herchel Smith Scholarships to Harvard, 2024–25

Odessa Chitty (2020), Thomas Driver (2020), Emil Hansen (2018), Isabelle Thomas (2020)

UNIVERSITY AWARDS

M Clark

Edward Said Prize

D J Dakin

William Vaughan Lewis Prize, Geography

E A Franks

David Newland Prize for Design

C J Goh

Frank Smart Prize for Botany

A Ibbott

William Vaughan Lewis Prize, Geography

V H Kamath

Adam Smith Dissertation Prize, Economics

J Lu,

Central Electricity Generating Board Prize for Materials Science & Metallurgy

L I Martin

William Vaughan Lewis Prize, Geography

E Serle*Charles Fox Memorial Prize***Y Shen***Alkis Seraphim Prize, Part II Biochemistry***L Smith***William Vaughan Lewis Prize, Geography***Stephen Toussaint***Seatonian Prize, Divinity***B Walkowiak***Best Overall Student & Best Research Project, NST Part III: Systems Biology*

DEGREES

The following are the principal degrees taken by Emmanuel men and women during the academical year 2023–24.

*PhD***Mungo George Aitken***On the factorisation of matrix Wiener–Hopf kernels arising from acoustic scattering problems***Robert Appleby***Novel structures of RAD51 reveal mechanisms in DNA damage repair and genomic stability***David Bagnall***Words make worlds: sexuality, discourse and the production of knowledge in the Anglican Church of Rwanda***Tendai Chisowa***Investigation of hypothalamic molecular mechanisms underlying narcolepsy and obesity through DNMT1 and leptin receptor signalling***Leonard Stephen James Clark-Leonard***Determining the role of hedgehog signalling in natural killer cell function***Daniel Coleman***Neoliberalism and the problem of poverty, 1929–73***Aditya Neil Deo***Contributions to asymptotic theory in nonparametric statistics***Mohit Dhiman***Automated synthesis of duplex-forming recognition-encoded oligomers***Kadi Joseph Antoine El-Kadi***Ruthenium and cobalt catalysts for hydrogen production from ammonia***Niklas Freund***Encoded synthesis and evolution of clinically approved 2'-modified ribonucleic acids***Vincenzo Graziano***Targeting the adenosine pathway reshapes a myeloid-dependent tumour micro-environment in pancreatic ductal adenocarcinoma: an opportunity for therapeutic intervention***Ronja Griep***The politics of menstrual shame: gender, injustice and empowerment in contemporary menstrual experience*

Jacob Findlay Hendry

Sensation, sacred landscape and the sense of the past in Britain, 1689–1760

Taketomo Isazawa

Automatic construction of a photocatalytic materials database using natural language processing

Dino Kadich

Young people at Europe's margins: an intimate geopolitics of the future

Dmitry Kazhdan

Enhancing interpretability: the role of concept-based explanations across data types

Harvey Klyne

Semiparametric methods for two problems in causal inference using machine learning

Grace Helen Kromm

Mother-newborn EEG connectivity during affectionate touch and impact of hypoxic-ischaemic encephalopathy

Scott Wenlu Li

Box models of thermohaline circulation

Stephen Lile

Assessing the disruptive vulnerability of broadcast news: an ex-post analysis generating ex-ante prescriptions

Jonathan Xianglong Meng

Studies of hyperphosphorylated tau aggregation and cytotoxicity

Sagnik Middya

Transparent neural interfaces for simultaneous electrophysiology and advanced brain imaging

Aida Miralaei

Near-memory processing for low-precision deep neural networks

Francesco Monni

Grain boundaries and creep deformation mechanisms in a high performance nickel-based superalloy

Domenico Praticò

Totalising rhetoric in late antique Greek poetry

Miren Raj Radia

Numerical modelling of gravitational wave sources in general relativity

Adil Shah

An investigation into a flux-pumped high-temperature superconducting MRI system

Mario Karam Aziz Shammas

Mitochondrial dysfunction and stress responses in CHCHD10 myopathy and neurodegeneration

Lea Luka Tiziana Sikau

Rehearsing new opera: an ethnographic lens on becoming posthuman

Jana Sipkova

*The mechanical regulation of Eph/ephrin signalling in the developing *Xenopus* brain*

Amr Mahmoud Mohamed Abdelghani Soliman

Hybrid metal-dielectric metasurfaces for enhanced optical performance

Lewis Joel Todd

Romanticism at scale

Lucia Trevisan

Artificial transmembrane signalling and cooperativity in h-bonded networks

Lucia Carolin Svenja Wunderlich

Development and application of optical microscopy tools for the study of axon guidance

MRes

Dylan Cuskelly

Sagnik Middya

LLM

Kitty Fry

Mayowa Molawa Olagunju

Charlotte Struyf

MCL

Luis Filipe Ferreira Da Costa

MASt

Alexander Nicholas Weil Menegas
Chenyang Sun
Rathvir Tandon
Cheick Kader Toure

MPhil

Jayalakshmi Nicole Alagar
Tasnim Khanom Ali
Max William Altman
Aaran Amin
Finn Page Andrews
Sophie Anson
Severin Baker
Sophie Barnett
Jonah Satchel Berger
Alexandra Diolinda Bettez
Timothy Aidan Bodey
Rebecca Gayle Brody
Odessa Esme Chitty
Calista Jia Ning Chong
Katie Crowfoot
Samuel Matthew Dickens
Nicole Elizabeth Fletcher
Heather Margareta Reed Glover
Andrew Siyoon Ham
Maya Huffman
Helen Olivia King
Jessica Lea
Ziwei Liu
Honey Jane Ffortune Lloyd
Bethan Tiba Mapes
Jason Craig Mazique
Eliseo Emanuel Neuman
Ana Luiza Nicolae
Ann O’Gorman
Aron Penczu
Tooba Rauf
Clare Brigitte Best Rogowski
Gabiella Jane Rossetti
Mariia Sabelkis
Ria Nicole Searle

Ahmed Shaan
Lorna Ellen Reeve Speed
Shiye Su
Jack Matthew Swanson
Lewis Joel Todd
Christopher John Townsend
Szilvia Réka Ujváry
Dalma Vatai
Anna Ward
Jess Winstanley
George Andrew Worrall
Molly Florence Young

MBA

Luke Edward Hughes
Xu Jiang
Bo Young Kim
Himanshu Mishra
Catalin Pirvu
Andrew Ross Tanabe
Luke William Worthy
Pui Yan Yuen

MFin

Xiyun Meng
Aakanksha Verma

MEd

Eliza Heather Gilchrist
Jessica Louise McMahon
Chloe Elizabeth Miles
Catrin Elizabeth Osborne
Ian Sheldon

MSt

Rajasi Rastogi
Linda Victoria Sanchez

MB

James Baudry
Sebastian Edward Dunne
George Frederick Fergal English
George Dennis Maynard Milner
Roshni Mistry
Lloyd Alexander Morgan

Palaniappan Ganesh Nagappan
 Sajawall Sirdaar Nawaz
 Marcus Ian Norrey
 Dhruv Girish Patel
 Emily Grace Richards
 Matthew Steven Rodgers
 Winefride Scorey
 Lydia Maeve Seed
 Henry Edward Charles Stuart-Turner

VetMB

Danielle Browne
 Alex Rebekah Vayro

MMath & BA

Edward Allen
 James Andrew Hindmarch
 Matthew Peter Johnson
 Daniel Kaddaj
 Aleksandra Lucja Kowalska
 Reuben Joshua Mason
 Benedict Risebrow
 Ashutosh Tripathi
 Andrew Kelvin Yang

MEng & BA

Lucy Jane Ashton
 Caleb Chuen Ching Chan
 Laura Sarah Clapham
 Thomas Hill
 Jiajiong Liu
 Francis McMullan
 Christopher David Newton
 Sophie Jane O'Keeffe
 Prithvi Raj
 Ben Leo Cartman Silva
 Lakeeshan Sivaraya
 Ana Stojanovic

MSci & BA

Gabriel Adler Cancino
 Thomas George Adolphus
 Lewis Leslie Jack Butler
 Louis Matthew Christou
 Emily Alice Rosa Dougans

Jack Liam Hepworth
 Gabriel Johnson
 Junhan Liu
 Varun Muralidharan
 Benjamin Luke Oliver Richards
 Zoë Charlotte Richardson
 Isabelle Cristina Thomas
 Natasha Usselmann
 Barbara Walkowiak
 Thomas Ward
 Alistair Donald James Wilson

BA

Amal Abdirahman
 Amy Adamson
 Alix Olivia Addinall
 Hibaak Aden
 Sheikh Abiaz Afzal
 Fabian Apostoaie
 Aditi Arun Kumar
 Ellen Ashley
 Concetta Baxter
 Adele Bayman
 Eloise Broadbent
 Bethany Brown
 Leonie Margaret Brunning
 Jenna Lucy Alexandra Buller
 Rose Marie Caddy
 Orin Michael Chapman
 Charlotte Cheung McClure
 Alex Chilton
 Zheng Yu Chow
 Adelheid Clark
 Freya Beth Clarkson
 Celeste Victoria Crosbie
 Shoshana Dahdi
 Dominic James Dakin
 Susannah de Vial
 Grégoire Denjean
 Sasha Dhillon
 Harry Sabriel Dixon-Spain
 Jakub Piotr Domański
 Jack Doust
 Thomas Martins Driver
 Joseph Mark Grimley Duffy

Mia Eldor-Levy
 Alistair Ferra
 Athena Lashmi Ganesh
 Archie Gent
 Ashwin Gohil
 Ryan Joshua Hall
 Maggie Harding
 Matthew Gordon Roy Haskett
 Abigail Margaret Hastie
 Clíodhna Mary Herkommer
 Daniel Hilton
 Yasmin Hornsby
 Eduard Hueffer
 Alice Ibbott
 Vignesh Hundi Kamath
 Nathaniel Kemp
 Nathalie Land
 James Lester
 Lauren Alyssa Lopez
 Emma Rebecca Lovick
 Michael Yourong Luo
 James Murray Campbell MacConnachie
 Flora McIntyre
 Rosalind Anwen Mackey
 George Maddison
 Srihitha Mannemela
 Eleanor Mansfield
 Lucy Isabel Martin
 Joshua Lemuel Moore Prempeh
 Raphael Morter
 Bei Le Ng
 Sze Chai Ng
 Miguel Christian Cadacio Nocum
 Jun Xun Ong
 Jino Osmani
 Ishaan Kalpesh Patel
 Jack Adebola Abdul-Razaaq Pettifor
 Louie Pietroni

Lucy Randall
 Finian Reid
 Isabella Grace Renfrew
 Benjamin Adrian Reynolds
 Linnea Clare Roberts
 Samuel Freddie Russell Lewis
 Karthik Sadanand
 Neil Anand Sardesai
 Aurora Eleni Gwen Segre Carnell
 Zoe Jessica Shard
 Sophie Shaw
 Yichao Shen
 Genevieve Shrimpton
 Caspar Slee
 Luca Smith
 Madeleine Rose Smith
 Rebeka Spalinska
 James Angus Steiner
 Amy Kate Stretch
 Charlotte Swainston
 Abiel Malkani Talwar
 Dewei Tan
 Oliver Thomas Taylor
 Lauren Claire Turner
 Tierney Morgan Wait
 Vicky Yu Er Wang
 Weixi Wang
 Yujun Wang
 Joshua Frank Wharton
 Saskia Francesca Marsh Wiginton
 Amelie Wilson
 Madeline Grace Wooldridge
 James Preston Wrathall
 Ffion Myfanwy Wright
 Sebastian Wright
 Wai Yeung Ying
 Zhuo Yang Yu

Members' Gatherings

On 23-24 September 2023 the following were present at a Gathering:

The Master and Fellows

The Master
Dr Sarah Bendall
The Reverend Jeremy Caddick
Dr David Livesey

Former Fellows

Dr Jeremy Dickens
Dr Annie Ring

Members

2000

Miss Anna Blest
Mrs Catherine Bullock (née Milnes)
Mr Andy Cork
Mr Louis Dale
Dr Ruth Diver (née Harvey)
Mrs Mina Djohan-Spender
Dr Alan Elder
Professor Leigh Fletcher
Mr Richard Fuller
Mr Alex Howard
Mrs Helena Kirk (née Dahlhoff)
Mr Toby Kirk
Ms Rosalind Lester
Miss Teodora Lukovic
Dr Aneil Malhotra
Dr Danny Mitchell
Dr Waleed Mohammed
Dr Sophie Ng (née Lennox)
Dr Sophie Oliver
Dr Alan Phillips
Mrs Carrie Radford (née Angell)
Mr James Radford

Dr Andy Rankin
Ms Becci Reidy
Dr Susie Robinson (née O'Connor)
Mr Toby Ronalds
Mr John Ross
Dr Tom Rossor
Dr Johannes Schiff
Mr Paul Simpson
Mr Charles Stedman
Dr Karen Stedman (née Taylor)
Mrs Charlotte Stoddart (née Bathe)
Dr Deepak Subramanian
Mr Gareth Sumner
Mr Alex Swallow
Dr Beth Thompson
Dr Elizabeth Webb
Dr Timothy West
Mr Geoffrey Williams
Mrs Vida Williams (née Hincks)
Dr Emily Wise

2001

Mr Jack Anderson
Miss Kathy Berry
Miss Sarah Butcher
Dr Sarah Chan (née Walton)
Mr Ed Clayton
Mr Jonny Coleman
Mrs Libby Dangoor (née Elsmore)
Mr Simon Dangoor
Mr Joe Delaney
Dr Daniel Drodge
Miss Orla Forrester
Miss Po-Siann Goh
Mr Martin Harker
Mr Dan Haworth
Dr David Hipshon

Mrs Laura Hodgson (née Chambers)
 Mr Daniel Kenyon-Jones
 Miss Angela Laycock
 Mr Simon McVittie
 Dr Vaishnavée Madden (née Sreeharan)
 Dr Katie Marwick
 Mr David Miller
 Mr Joshua Monteiro
 The Reverend Dr Helen Orchard
 Mrs Barbara Owens (née Bebington)
 Mr David Owens
 The Rt Hon the Lord Stephen Parkinson
 of Whitley Bay
 Miss Ruth Pickett
 Mrs Rosy Robinson (née Bolton)
 Mr Neil Roques
 Dr Hannah Schiff (née Skelton)
 Mr Ed Smythe
 Mr Tim Sowula
 Mr Robert Sullivan
 Dr Bhaskar Thakur
 Mr Edwin Thomson
 Mr Matthew Train
 Mr Joe Verrecchia
 Mr Ben Wade
 Mr Stuart Whatton
 Miss Chloe White
 Dr Annabel Yadoo

2002

Mrs Amanda Anderson (née Wycherley)
 Mr James Anderson
 Dr John Apps
 Mr Archie Bland
 Mr Scott Bradley
 Miss Asha Brooks
 Dr Stephen Burgess
 Dr Gary Chandler
 Mr James Chapman
 Dr Nuan Cheah
 Mr Bryan Coll
 Mrs Hannah Constantine (née Turner-Stokes)
 Mr Tomos Davies
 Mr Piers de Wilde
 Dr Judah Eastwell

Mr David Evans
 Mrs Kimberley Foxell (née Dawson)
 Mr Alex Frost
 Mr Gareth Gibbs
 Miss Rachael Gledhill
 Mr Richard Gould
 Miss Rebecca Harrison
 Mr Joseph Heaven
 Mr Tom Hopwood
 Mr Nick Humfrey
 Mr Adam Jacobs-Dean
 Dr Wil James
 Mrs Naomi James-Davis (née Elford)
 Dr Meera Kamalanathan
 Mrs Charlie King (née Collas)
 Dr Simon King
 Dr Jimmy Kwok
 Dr Sophie Lam (née Davis)
 Dr Senem Leveson (née Tugrul)
 Miss Shelly-Ann Meade
 Mrs Karuna Monteiro (née Leigh)
 Miss Natalie Moore
 Mr Dom Morgan
 Miss Louise Needham-Didsbury
 Miss Chamindri Perera
 Dr Kate Prentice
 Dr Beatrice Priest
 Mrs Kim Prothero (née MacDonald)
 Mrs Grace Richards-Harrower
 (née Clements)
 Mrs Sarah Rigby (née Norman)
 Mrs Susie Roques (née Measures)
 Mrs Lindsay Rose (née O'Hare)
 Miss Anna Shandro
 Dr Caroline Shaw
 Mr Nat Skidmore
 Mrs Hannah Smith (née Davies)
 Miss Jo Smith
 Mr Richard Smith
 Dr Robert Stelman
 Miss Jen Stone
 Dr Giles Story
 Mr Peter Tovey
 Mr Steve Van Rossum
 Miss Katherine Vinnicombe

Mrs Catherine Wilkinson (née Holmes)
 Mr Adam Willans
 Mr Michael Winawer
 Miss Rhiannon Wood
 Mrs Zoe Yeo (née Karkaletsos)

On 23-24 March 2024 the following were present at a Gathering:

The Master and Fellows

The Master
 Dr Sarah Bendall
 Dr Richard Barnes
 Professor Frank Jiggins

Former Fellows and Visiting Fellows

Mr Stephen Brooker
 Professor Mike Heffernan
 Dr Dominic Moran
 Dr Jonathan Thomas
 Professor Andy Wills

Members

1992

Ms Juliet Ames-Lewis (née Beavan)
 Mr Brad Amiee
 Mr Mark Baggoley
 Mr Timothy Baker
 Mrs Grainne Beeney (née Lillis)
 Miss Catherine Bellsham-Revell
 Professor Jem Bendell
 Mr Nic Brisbane
 Mrs Suzanna Brooks
 Ms Chloe Campbell
 Mr Ben Cotton
 Mr Richard Fewster
 Mr Conrad Ford
 Professor Will Fuller
 Mr Ben Galbraith
 Mrs Ali Gellett (née Grant)
 Dr Richard Good
 Mr Ian Graham
 Ms Catherine Hall
 Dr Victoria Hall

Mr Ed Halliwell
 Miss Susie Hock
 Dr Jeremy Isaacs
 Mr Jason John
 Dr Richard Kemp
 Mr Sam Kenyon (née Brookes)
 Mr Stuart Kirk
 Mr Francis Lake
 Mr Peter Lake
 Mr Curtis Ledger
 Miss Rachel McQuillin
 Miss Athalie Matthews
 Dr Robert Palmer
 Mr Rakesh Patel
 Dr Rebekah Polding
 Mrs Kathryn Poulter (née Spencer)
 Mr Stuart Roberts
 Mr Ivar Rush
 Miss Lizzie Sellwood
 Mrs Kate Shawyer (née Cosgrove)
 Mr Jeff Singer
 Mr Hugh Sleight
 Mr Ceri Smith
 Miss Fiona Smith-Laittan
 Mr Justin Stanley
 Mrs Alice Strang (née Dewey)
 Ms Katy Swaine Williams
 Dr Keri Torney
 Mr Mihir Warty
 Mr Richard Wazacz
 Mr Robert Weston-Triggs
 Ms Ailsa Williamson
 Mrs Harriet Wong (née Baker)

1993

Dr Annette Armitage (née Barker)
 Mr Sam Bullen
 Dr Denise Burford
 Dr Joe Butchart
 Mr Giles Cannock
 Mr David Chew
 Mrs Natasha Clayton (née Houseman)
 Ms Louise Collins
 Ms Mary Colyer
 Mr Rob Critchley

Miss Kathryn Darley
 Mr Liam Davenport
 Miss Vicky Davies
 Dr Christina De Bellaigue
 Mr Reg Dhanjal
 Mrs Jen Dinmore (née Thompson)
 Mr Chris Ellis
 Mrs Joanna Ellis (née Haworth)
 Mr Gwyn Evans
 Mr Drew Ferguson
 Mrs Rachel Ferguson (née Arch)
 Mrs Alison Ford (née Pickett)
 Mr Stuart Ford
 Mr Giles Gilbert
 Miss Gillian Gover
 Mr Tim Gower
 Miss Sally Hamour
 Mr Greg Harding
 Dr Dirk Herrmann
 Mr Frank Hewitt
 Dr Chris Hollowood
 Professor Dr Dietmar Hubner
 Dr Stefan Hunt
 Mrs Clare James (née Benson)
 Mr Richard Jones
 Miss Nicole Kennedy
 Mrs Maggie Knight
 Mr Michael Lee
 Dr Daniel Leggate
 Dr Claire Lloyd
 Mr Alasdair Mayes
 Miss Vanessa Mock
 Mrs Jane Montgomery (née Doble)
 Mr Christopher Munro
 Mrs Jemima Myrddin-Evans (née Bennett)
 Mr Peder Nilsson
 Mr Ed O'Brien
 Mr David Reay
 Mrs Kasia Reay (née Balon)
 Professor Peter Richardson
 Mr Mark Riseley
 Dr Denis Schluppeck
 Mr Tim Senior
 Miss Catherine Shephard (née Todd)
 Dr Waheguru Sidhu

Ms Catarina Sjolín Knight
 Mr Kevin Slack
 Mr Justin Smith
 Ms Kate Tench
 Mr Thomas Thomaidis
 Mrs Emily Walton (née Williams)
 Mrs Lizzie Warty (née Hodson)

1994

Miss Emily Asquith
 Mr Stephen Baker
 Mrs Viv Barraclough (née Kaye)
 Mr Will Barraclough
 Mr Ian Bateman
 Mr Kevin Bee
 Mr Emil Bernal
 Mr Thomas Berry
 Dr Danny Bloomfield
 Dr Alex Boddy
 Mrs Olivia Brindley (née Coy)
 Dr Peter Brown
 Ms Sarah Brown
 Mrs Victoria Cannock (née Rigby)
 Dr Emily Cary
 Mr Toby Chappell
 Dr Chatsuda Chierakul
 Mr Peter Chisholm
 Dr Joanna Critchley (née Bond)
 Mr Pete Dewar
 Mrs Debbie Drew (née Hobbs)
 Mrs Miki Ellis (née Berdy)
 Dr Io Epstein (née Wright)
 Mr Piers Finlayson
 Mr Richard Ford
 Mr Angus Forsyth
 Miss Hannah Fox
 Miss Karthi Gnanasegaram
 Miss Belinda Gordon
 Mr Toby Gordon-Smith
 Dr Jamie Hamilton
 Ms Clare Harris
 Dr Lisa Harrod-Rothwell
 Dr Kate Hawtin
 Mr Guy Haynes
 Dr Tristan Henderson

Dr Neil Hepworth
 Mr Edward Hikmet (née Owen)
 Dr Fiona Hikmet
 Miss Maddy Holmes
 Mr Darren Hopkinson
 Mr James Irvine
 Mrs Annie Jennison-Brown
 Mr Simon Jones
 Mr James Keenan
 Mr Matt King
 Miss Julie Kleeman
 Mrs Caroline Klein (née Lewis)
 Ms Katie Lamb
 Mrs Karen Magnani (née Lees)
 Mr Martyn Manning
 Mr James Maxwell
 Mr Alex Monsey
 Dr Dominic Nash
 Miss Anna Nicholl
 Mr James Nield
 Dr David Pritchard
 Dr Stefan Ramsden
 Mr Jonathan Ratnasabapathy

Mr Gavin Richards
 Mr Ben Robinson
 Miss Amaryllis Roy
 Mr Michael Russell
 Mr Daniel Seaman
 Mrs Hannah Skaanild (née Coath)
 Mr Nick Skaanild
 Mr James Smith
 Dr Robert Stanforth
 Mr David Strachan
 Mrs Vicky Stubbs (née Lawrence)
 Mrs Ilana Swimer (née Stanton)
 Mr Richard Taylor
 Mr Michael Timmins
 Dr Chloe Tindall (née Maunsell)
 Mr Jon Turnbull
 Mrs Lynn Viret (née Smith)
 Mr Stuart Williams
 Professor Andy Wills
 Mrs Ellodie Winter (née Gibbons)
 Dr Jonathan Wood
 Dr Paul Yates
 Mr Elliot Zissman

FUTURE GATHERINGS OF MEMBERS

The timetable for forthcoming reunions is below. Dates given against each Gathering refer to the year of matriculation and not graduation.

March 2025	1976, 1977, 1978
September 2025	1967, 1968, 1969, 1970, 1971, 1972
March 2026	2011, 2012, 2013
September 2026	2003, 2004, 2005
March 2027	1995, 1996, 1997
September 2027	1987, 1988, 1989

Invitations will be sent two 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.

Alfred Lawrence Witham (1944)
Derek George Annas (1945)
John Richard Hinchcliffe (1945)
Gustav Gerhardus Hoexter (1946)
John Robson Kirkup† (1946)
Brian Arthur Thrush† (1946)
Guy Jackson Mindelsohn (1947)
Conrad Walter John Tillyard† (1947)
William Gavin Fairford Foster (1948)
John Greville Agard Pocock (1948)
Roy Pryce† (1948)
Geoffrey John Tarris† (1948)
Timothy Wheildon Brown† (1948)
Charles Sydney Evans† (1949)
Peter James Firth† (1949)
Michael Alexander John Anderson (1950)
Murdo Mcleod (1950)
David Russell Dunkerley (1951)
David Alton Forrester† (1951)
Gordon Bruce (1953)
Edward John Darmady (1953)
Michael Henry James Dunn (1953)
John Mirams† (1953)
Norman Arthur Richards (1953)
Richard Noel Waters (1953)

Charles James Francis Lloyd Williamson† (1953)

John Graham Carver (1954)

Peter Hampson Dawe (1954)

Robert Mackay Frew (1954)

Christopher Leffler† (1954)

James Patrick Gilmer Morland† (1954)

Colin Tomlinson (1954)

Alan Micklem Hickling (1955)

John Bernhard Saunders (1955)

John Christopher Thurner† (1955)

Brian Picton Davies (1956)

Simon James Day† (1956)

Geoffrey Edwin Mountfield† (1956)

Ian Douglas Ogilvie (1956)

Robert George Phillips† (1956)

Peter John Read (1956)

David Allun Rees (1956)

Paul Harding Rutherford† (1956)

John Roderick Yarnell† (1956)

Anthony Morley Gerald Alers-Hankey (1957)

James William Archer† (1957)

Richard Henry Stephen Ortiger† (1958)

Andrew James Robertson (1958)

Michael Keith Turner† (1958)

Thomas Francis Thorburn Glynne-Jones (1959)

John Clive De Jersey Harvard (1959)

John Scott Lally (1959)

John Harold Lea† (1959)

John Martin Kirby Laing† (1960)

Peter David Ward (1960)

Peter John Anderson (1961)

John Anthony Cheyne Ketchum (1961)

John Franklin Ogilvie† (1961)

Tristram Hope Dill Smyth (1961)

Christopher Olaf Aarvold (1962)

David Malcolm Galloway (1962)

Henry Green (1962)

David Michael Brownlow Mathers (1962)
Barry Stephen Lee (1963)
John Colin Mumford (1964)
Don William Cruickshank (1965)
Michael David William Silburn (1965)
Keith Leslie Escott (1966)
Jack Arnold Lang† (1966)
Peter Sam Gilbert† (1968)
Andrew Graham Rice† (1968)
Keith Charles Stewardson (1968)
William Maxwell Benedick Young† (1968)
Gerald Heath Dudgeon† (1970)
Robert Rothschild† (1970)
Andrew Nicholas Guy Durham (1971)
Timothy Hancock† (1972)
Derek Michael De Silva (1975)
Raymond Bernard Howarth (1975)
Christopher Edwin Locke (1976)
Sarah Doole (1979)
Hugh William Dawes† (1982)
Richard Brodie (1985)
Philip Owen Williams (1986)
Christopher John Burgoyne† (1988)
Christine Ann Potter (1988)
Stephen Douglas-Hogg (1990)
Robert Michael Henderson† (1993)
Russell Stephen Hitchings† (1994)
Mohammed Al Fayed (1995)
David James Edward Harmsworth† (1995)
Henrietta Jane Brooks† (2006)
Deepak Jadon† (2020)





Emmanuel College

St Andrew's Street Cambridge CB2 3AP

Telephone +44 (0)1223 334200