

EMMANUEL 2021
REVIEW



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The cover of this year's *Review* develops the themes of those of 2019 and 2020. It depicts life as a balance, with a tentative return to more movement again. The sphere – a corona? – reflects the health theme from last year. Materials for the new buildings are represented by the concrete for the balance and clay – used in bricks – holding the allium. There's a reference to the Master's garden with the birch. Mildmay's oak is the foundation for the whole assemblage.

Emmanuel College would like to thank all those who have assisted in the production of the *Review*. We are particularly grateful to the staff at the Scott Polar Museum and the MRC Laboratory of Molecular Biology, and to Emmanuel's gardeners.

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VIEW FROM THE LODGE



THE COW PARSLEY IN THE MASTER'S GARDEN
WAS ESPECIALLY LOVELY THIS YEAR

How to describe my last year as Master? At one level, it's easy. Covid, Covid, Covid.

At another, every moment of every term has had its own particular feel, and as we've grappled with all that the pandemic has thrown at us, we've learned new things about who we are and what we can cope with. It's not been easy.

But overall my feelings are of pride. Pride in our community, our students and our college. And we got through it, sometimes even with a smile.

Life at Emma has not been normal this year in any shape or form, and I feel desperately sorry for the students who've not yet experienced life at Emma as it should be; and for those who have lost the bulk of four terms, terms you can never get back. But even as I write this, I remember what we have been able to do, and how everyone has helped us make the best of it.

Lent term was pretty much a washout socially, but in Michaelmas and Easter terms we held physically distanced college ceremonies including matriculation, formal halls and evensong in chapel (with lots of different formulae for the choir according to rules). There's been some sport (though not many spectators), and even though no May Ball was possible in either 2020 or 2021, there was a socially distanced picnic for the undergraduates at the end of June this year.

Our students also saw more of the insides of their rooms than I suspect has ever been the case before. They watched lectures online, Zoomed in for their supervisions and even took exams in their study bedrooms. And pride overwhelmed me as our graduands processed to the Senate House in early July to take part in a no-guests, no-hands General Admission ceremony after a stellar set of exam results. We made it, just as the Delta variant decided that Cambridge was a profitable place to flourish.

Departing Masters usually say their farewells in July, as there are normally few formal events in September. This year, of course, is different, as we will be welcoming back the 2020 graduands, including those taking their MAs, and are hoping to host a Gathering for the 1981–83 cohort, who have had to wait an extra year for their reunion. So I'm glad of a few more weeks in beautiful Emma, and it will give me time to settle into my new role as a Life Fellow before handing the reins to Doug Chalmers, our new Master from 1 October.

So it's been a poignant year, with very little of our normal routine, a phenomenal amount of work making and re-making rules, and too little sociability. But we have not stood still; far from it.

ABOVE ALL WE HAVE MADE HUGE PROGRESS WITH *EMMA ENABLES*, THANKS LARGELY TO THE GENEROSITY OF MANY OF YOU, OUR MEMBERS

Above all we have made huge progress with *Emma enables*. Thanks largely to the generosity of many of you, our members, we had raised an impressive £30.5m of the £38m fundraising target by the time of our launch in late June, and sufficient to give us confidence to begin construction last winter. Our new quarter of the college is now rapidly taking shape. Our launch was a beautiful evocation of the vision and ambition of this transformational project, and if you haven't yet watched or supported it, please do! It's very moving, and very 'Emma': see www.emma.cam.ac.uk/emmaenables.

And it's all about the future: I'm not leaving a legacy project but a set of rich opportunities for the college, which I know will be seized in the years ahead.

OUR LAUNCH WAS A BEAUTIFUL EVOCATION OF THE VISION AND AMBITION OF THIS TRANSFORMATIONAL PROJECT, AND IF YOU HAVEN'T YET WATCHED OR SUPPORTED IT, PLEASE DO! IT'S VERY MOVING, AND VERY 'EMMA'

Finally, I have so many people to thank it is hard to know where to start. The individuals are too many to name, but they know who they are, and Emma's lead officers: Mike Gross (Bursar), Robert Henderson (Senior Tutor), Sarah Bendall (Development Director) and Barry Windeatt and Susan Rankin (Vice-Masters), along with my PA Michele Anderson, are top of the list. Thank you so much, all of you.

Beyond them, I will end by thanking our four communities 'in the round'. The Fellowship in its entirety, whose brilliance, commitment and generosity have never faltered; the students (undergraduate and postgraduate) whose lively, inquiring and often joyful engagement in college life is inspiring; our brilliant staff, whose dedication and hard work has got us through this very difficult 18 months; and last but not least you, our members, many of whom I've got to know, who make the Emma community so very special. I'll miss you all, but I will be back.

So good luck Doug, as you embark on your Mastership, thank you everyone, and I look forward to seeing Emmanuel continue to thrive, long into the future.

Dame Fiona Reynolds
Master



THE LADIES' VIII DAME FIONA HAS SPENT MORE TIME ON THE RACKS IN THE BOATHOUSE IN RECENT MONTHS THAN WE'D HAVE WISHED, BUT WAS ON THE CAM AGAIN IN EASTER TERM

THE SUM OF ITS PARTS

MALAVIKA NAIR, FELLOW

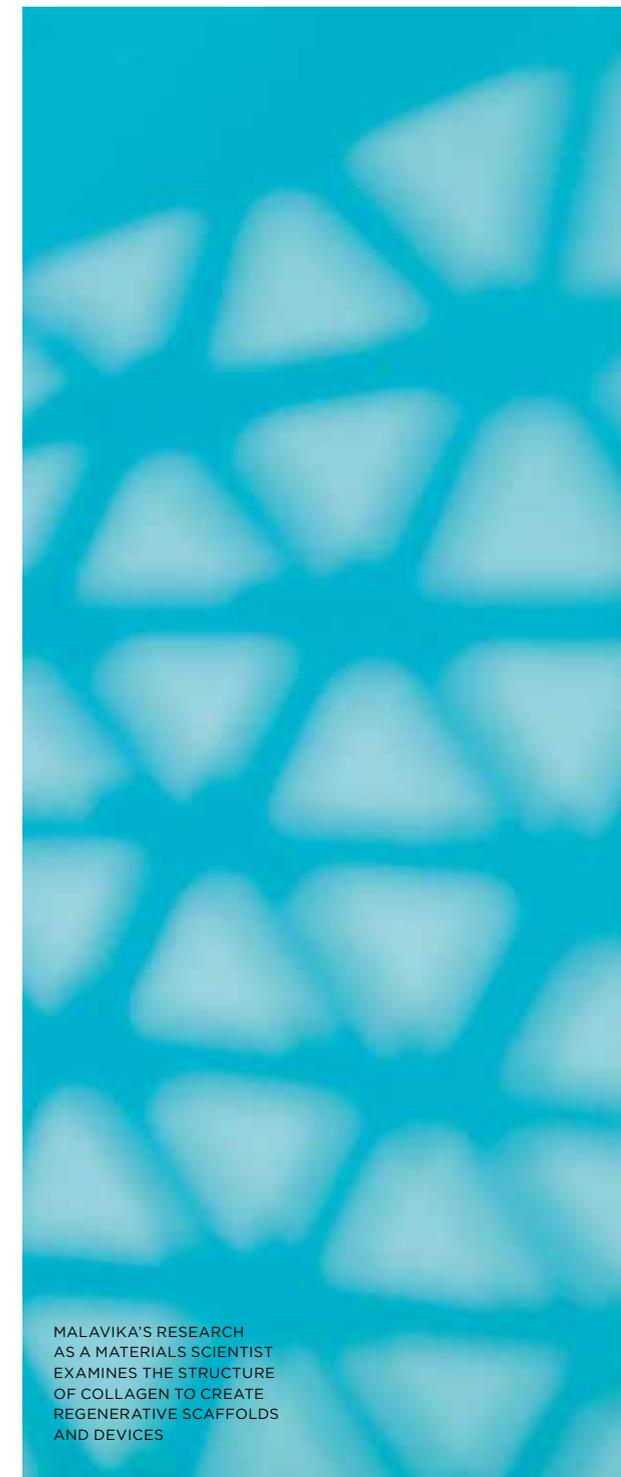
'The best replacement for bone is bone itself'. This might have been a fun little soundbite delivered in one of the undergraduate lectures in my first year, but it is also the statement that I can safely credit as having sparked my interest in biomaterials.

Then, in my rather inexperienced mind, scientists pretty much knew how the world worked, and if they didn't, then that would have been because they were solving age-old problems about the universe and how it began, or trying to achieve things beyond what was possible by nature alone. As the years went by, I had the privilege of learning about the theories and choices in design that underpin most modern materials, yet I could not shake the assertion about bone from my mind. What is it about the native healthy tissue in our body that makes it so special? How can we make further progress with finding better replacements?

This interest has been shared by many scientists who came before me. One strategy has been to aim for the regeneration of our ideal, healthy tissues. Of course, when disease or injury strikes this is easier said than done. Research efforts are currently focused on creating structures known as tissue-engineering scaffolds that behave as the original tissue would, while successfully guiding the repair process. So, I too set off five years ago to try to understand how we might be able to mimic tissues synthetically, when our body cannot quite do this itself.

The bulk of my doctoral work has focused on collagen, the main structural protein in our body. I realised very quickly that achieving the best scaffold for a given application was more than an issue of getting the right structure, mechanics or biochemistry to mimic the natural tissue environment. It was about getting them all right, all at once. This was a tricky pursuit, because some of the effects of one process can affect the structure or property of the scaffold at another level. As an example, we can employ a reaction called cross-linking to form chemical bridges that strengthen the whole device. However, this means that we must also be careful not to use up any chemical groups that cells recognise as the cues found in native healthy tissue.

This inherent hierarchical structure and fine-tuned balance of structure and properties is exactly what makes healthy tissues so special, and why the slightest mis-step through injury or disease can lead to a breakdown of healthy function. Replicating this intricate structure in the lab is made even more complicated by the fact that we might not even fully understand what drives the underlying fabrication processes or have the best tools to analyse the data we get. So I thought that, as a materials scientist, I would pick apart as many of these structure-property-processing relationships as I could, from the effects on the smallest molecular receptors in collagen, all the way to the shape and size of the sub-millimetre pores



MALAVIKA'S RESEARCH AS A MATERIALS SCIENTIST EXAMINES THE STRUCTURE OF COLLAGEN TO CREATE REGENERATIVE SCAFFOLDS AND DEVICES

created in the scaffolds through ice-templating. I am grateful to have had a chance to journey through collagen scaffolds at various scales of length. To do this, I have immersed myself in ice physics and polymer chemistry, and even dabbled in some cell biology and machine learning along the way.

While regeneration might be the biochemical gold standard, we are far from being able to grow back entire limbs, or restore the mobility and functionality provided by many permanent implants such as prosthetics or pacemakers. At Emmanuel, my research now focuses on taking

WHAT IS IT ABOUT THE NATIVE HEALTHY TISSUE IN OUR BODY THAT MAKES IT SO SPECIAL? HOW CAN WE MAKE FURTHER PROGRESS ON FINDING BETTER REPLACEMENTS?



everything I have learned by deconstructing the fabrication of collagen-based constructs, just to put it all back together again, this time with the aim of creating something that surpasses what we can do with biological materials in the lab. Our bodies constantly change over time, and the physiological environment is likely to vary even more across different people. I use novel materials and fabrication methods to create implants that can respond dynamically to their environment, all while keeping in mind the fine balance that must be maintained for tissue regeneration. These devices are unlikely to replace permanent implants any time soon, but

THIS INHERENT HIERARCHICAL STRUCTURE AND FINE-TUNED BALANCE OF STRUCTURE AND PROPERTIES IS EXACTLY WHAT MAKES HEALTHY TISSUES SO SPECIAL, AND WHY THE SLIGHTEST MIS-STEP THROUGH INJURY OR DISEASE CAN LEAD TO A BREAKDOWN OF HEALTHY FUNCTION

they can offer greater functionality than the current regenerative scaffolds and be produced using the same scalable technologies we currently use, whilst offering the promise of more personalised healthcare solutions for a wider range of ailments.

Research Fellowships are much sought-after positions as a next step after completing a PhD. We were delighted to welcome Malavika to Emmanuel in October 2020



ACCESS HAS A SENSE OF PLACE

ALEX JEFFREY, FELLOW

As Fellows at Emmanuel we often find ourselves dividing our time between different professional activities: teaching, administration and research. Term-time is, as would be expected, a time of frantic teaching and pastoral care; vacations offer an opportunity to research and reflect; across both we plan future research projects and teaching courses. Over the decade that I have been fortunate enough to be part of the college one word has brought these disparate activities together: access.

My research has been about exploring access to justice for those who have been the target of war crimes. Initially I looked at these processes in the case of Bosnia and Herzegovina, talking to victim associations and human rights groups about the barriers to justice for those who suffered during the 1992–95 conflict. One of the key findings in this work was that location mattered: where a war crimes court was located had a significant bearing on both the physical access to trial processes and also on the perception of a participatory and somewhat locally controlled legal system. Justice, then, has a sense of place.

We can see this relationship between international law and place coming to the fore once more in the case of the expulsion of Rohingya populations from Myanmar into Bangladesh since 2015. In a project funded by a Cambridge Humanities Research Grant, I am spending the next 12 months working with Rohingya refugees to explore the implications of different proposed locations for trials for the events surrounding their expulsion. Investigations are being led by the International Criminal Court in The Hague; the expectation is that this will also be the location of the trials.

But this is remote to the estimated 880 000 Rohingya refugees in camps in Cox’s Bazar, Bangladesh. This research will explore the logistical, technological and psychological implications of different proposed locations for trials, considering once more how space shapes access to justice.

It is this question of access that also cuts across into my teaching and administration. Over the past three years I have developed a new Part II paper in the geography tripos entitled ‘Legal Geographies’, which has provided an arena in which to deliberate with students the relationships between space and law. It has been particularly interesting convening these debates during a period of unprecedented and rapid change in the organisation of judicial processes. The emergence of ‘Nightingale Courts’ and increased use of technology to facilitate remote participation has shone new and urgent light on the question of what it means to access justice. One of the questions we return to on many occasions during the course is a simple but beguiling one: what does it mean to be present in a particular shared space during a legal process?

THIS SENSE OF SHARING SPACE AND ACCESS IS, OF COURSE, ALSO A CENTRAL CONCERN IN MY ROLE AS A DIRECTOR OF STUDIES AND FINANCIAL TUTOR

This sense of sharing space and access is, of course, also a central concern in my role as a Director of Studies and Financial Tutor. One of the incredible privileges of being a Director of Studies at Emma is the opportunity to be involved in undergraduate and postgraduate

admissions. At the heart of these processes is an acute awareness of the need to ensure access for excellent candidates, regardless of background. The college has put increasing resources into access initiatives, through the work of Schools Liaison Officers, partnership with Villier’s Park and contributions to the Cambridge Bursary Scheme.

THIS IS WHAT IS ALSO SO EXCITING ABOUT THE *EMMA ENABLES* INITIATIVE: IT WILL ALLOW US TO DEEPEN AND EXTEND THE SUPPORT OFFERED ACROSS COLLEGE

It is increasingly clear that access doesn’t end at the door; it begins. As Financial Tutor I have been lucky enough to be involved in many initiatives to assist students during their studies, from small grants to support remote learning through to longer term help for mental health issues. These activities are essentially about access, ensuring that everyone can play their part to the full within the Emmanuel community.

This is what is also so exciting about the *Emma enables* initiative: it will allow us to deepen and extend the support offered across college for skills development and training for the future. Through new facilities and roles, access will be inscribed in the heart of the college, integrated into its incredible sense of place.

Alex Jeffrey joined us as a Fellow in the year that Fiona Reynolds became Master. He writes here about how his research has developed since his article for the Review in 2015, and about his role as Financial Tutor

ADAPTING AND EVOLVING

NIKLAS FREUND
POSTGRADUATE STUDENT

Over the past year, research programmes have had to adapt to closures of laboratories and libraries. Niklas and Finnian describe how they have made the best of the challenges they've encountered.

Evolution is a mesmerising process. In fact, I find it so fascinating that I set out to study and leverage its power to explore chemical cousins of DNA: unnatural nucleic acids with a chemical structure foreign to our own genetic information carrier. I emulate fundamental evolutionary processes in order to chart new chemical territory in genetic molecules. By exerting selection pressure on this molecular system, I set foot in new functional space.

In recent months, however, the sober reality of molecular evolution and its impact on genetic molecules has become far too real. Evolutionary pressures such as changing (human) hosts and disease- or vaccine-induced antibodies, make SARS-CoV-2 adapt and evolve its genetic information content encoded in DNA's sister molecule RNA, giving rise to new variants.

At the beginning of the pandemic, I experienced an absurd mixture of horror and mad-scientist enthusiasm for this real-world experiment in evolution. My lab was closed for several months, but the species 'scientist' finds ways to adapt to a new habitat. To counteract the delay of my experiments I caught up on reading, worked on my first-year report, and started an application for an extension of my funding.

WHEN THE THE MRC LABORATORY OF MOLECULAR BIOLOGY FINALLY REOPENED, WE ENCOUNTERED A NEW WORLD OF REDUCED OCCUPANCY IN LAB SPACES AND SHIFT SYSTEMS. AND EVEN IN DAILY PROCEDURES, THE PANDEMIC HAS LEFT ITS MARK

AT THE BEGINNING OF THE PANDEMIC, I EXPERIENCED AN ABSURD MIXTURE OF HORROR AND MAD-SCIENTIST ENTHUSIASM FOR THIS REAL-WORLD EXPERIMENT IN EVOLUTION. MY LAB WAS CLOSED FOR SEVERAL MONTHS, BUT THE SPECIES 'SCIENTIST' FINDS WAYS TO ADAPT TO A NEW HABITAT

When the MRC Laboratory of Molecular Biology finally reopened, we encountered a new world of reduced occupancy in lab spaces and shift systems. And even in daily procedures, the pandemic has left its mark, with a continuing shortage of everyday lab supplies: disposable pipette tips became a highly sought-after commodity overnight. Think baker without flour. This has been exacerbated by Brexit: long-awaited deliveries were held back for weeks at Customs. But we learned to adapt.

Nevertheless, this is also a good time for nucleic acid scientists. The development of the first nucleic acid-based vaccines is a spectacular demonstration of what fundamental scientific research can adapt to in a very short time if resources, global need and public interest join forces. I also learned to adapt to a new way of living both in the lab and also in general. Using the ways of evolution, I am currently building the tools to unlock a chemical cousin of DNA for widespread therapeutic usage. I, too, learned to evolve.



FINDING THE RIGHT STUFF

FINNIAN ROBINSON
POSTGRADUATE STUDENT

The generosity of an Emma member meant that Finnian Robinson (2017) could stay in Emmanuel for an additional year to do an MPhil in modern British history. The challenges of the second lockdown led to an unusual way of seeing research material.

Between 1901 and 1924, Britain arranged for a succession of all-male parties to suffer and die at the world's most inaccessible and inhospitable extremities. In this short window, both Scott and Shackleton organised two major missions to the Antarctic and Mallory thrice sought the summit of Everest, disappearing during his final attempt. For my MPhil dissertation, I have sought to connect this spurt of 'heroic' exploring activity with instability in British thought about masculinity in the early twentieth century, taking account of the suffragette campaigns and brutalisation of young men during the Great War.

Whilst these ventures might have been intended as a vigorous reassertion of traditional Victorian conceptions of heroic masculinity, analysis of the writing and material produced by those who staffed these missions illuminates a discrepancy between the public presentation of the expeditions and the behaviour the men exhibited in reality. In the privacy of the Antarctic and on the slopes of Everest, these adventurers had an opportunity to dissect the normative behaviour to which they had been instructed to aspire. The myths disseminated by the Royal Geographical Society, and its favoured newspapers, about feats of heroic masculinity at the South Pole and in the Himalayas rarely matched the more textured, and indeed human, reality of the expeditions.

Finding sources for this project when most archives have been closed this year has been a challenge. In Michaelmas term, during the second lockdown, I was thankfully able to make use of the Emmanuel College archives and their material on our member Thomas Griffith Taylor (1907). He joined Scott's *Terra Nova* immediately after

I WAS ONLY ABLE TO ACCESS THIS FASCINATING SOURCE THANKS TO A KIND LIBRARIAN WHO, DURING THE HEIGHT OF THE THIRD LOCKDOWN, DISCREETLY REMOVED COPIES OF THE JOURNAL FROM A LIBRARY THAT WAS CLOSED, WRAPPED THEM IN A BIN-BAG AND LEFT THEM IN A SOUTH LONDON CAR PARK FOR ME TO PICK UP AT A PRE-ARRANGED TIME

graduating, and the names on the survey map he produced indicates that Cambridge was still on his mind. 'Emmanuel Glacier' and (perhaps less subtly) 'Gonville & Caius Range' label the Antarctic topography.

Griffith Taylor was also a frequent contributor to the *Terra Nova's* internal newspaper, the *South Polar Times*. I was only able to access this fascinating source thanks to a kind librarian who, during the height of the third lockdown, discreetly removed copies of the journal from a

library that was closed, wrapped them in a bin-bag and left them in a South London car park for me to pick up at a pre-arranged time. This rather suspicious-looking exchange enabled me to continue working on my project whilst locked-down at home. The *South Polar Times* ended up providing key evidence for my argument, as the articles inside it, particularly the more bizarre ones written at the height of the polar night, helped to reveal the everyday behaviours and interactions of the isolated community that are hidden in the formal accounts.



THE POLAR MUSEUM IN LENSFIELD ROAD IS WELL WORTH VISITING

TEACHING IN A TIME OF COVID

Emmanuel is a place of education, and we've had to adapt all our activities since March 2020. Our Senior Tutor, Robert Henderson, has been exceptionally busy as he's also been chair of the university's COVID management team, but that has certainly helped us find a way through all the regulations and restrictions. Here we give a flavour of how we've managed.

EDUCATION AT EMMA 2020-21

Like everything else in the world, academic life at Emmanuel has been very peculiar over the last year. After having left at the end of the Lent term in 2020, students returned at the beginning of Michaelmas term to a Cambridge that had been frantically planning for operation during the pandemic. Because of social distancing rules all lectures have been online, usually recorded. While it was possible to conduct supervisions in person during Michaelmas term, the prohibition on most undergraduate students returning to Cambridge for Lent meant that supervisions then were online as well. We are just coming out of the examination season, and they too were ... online. All very different but necessary, if not ideal.

For students joining us in October this year, things will also be different. No Open Days took place in person in 2020 and interviews were conducted through Zoom, which means that almost none of our freshers, undergraduate or postgraduate, will ever have visited the college (or even Cambridge).

Next year the aim is to work hard to restore equilibrium and return to the Emmanuel we rather took for granted until last year.

NEXT YEAR THE AIM IS TO WORK HARD TO RESTORE EQUILIBRIUM AND RETURN TO THE EMMANUEL WE RATHER TOOK FOR GRANTED UNTIL LAST YEAR

ROBERT HENDERSON, SENIOR TUTOR

THIS YEAR HAS BROUGHT ITS CHALLENGES IN ALL FACETS OF EDUCATION, BUT OUR RELATIONSHIPS WITH SCHOOLS AND STUDENTS ACROSS OUR LINK AREAS HAS CONTINUED TO GROW

FINN MANDERS, SCHOOLS LIAISON OFFICER

SCHOOLS LIAISON 2020-21

In a normal year, the work of the Schools Liaison Officer involves visiting schools, hosting trips to Cambridge and meeting hundreds of students to discuss their future plans. The work has continued this year, but we have adapted and moved online with recorded presentations, workshops on Zoom and virtual mentoring.

The challenges of online delivery have also presented opportunities for our link area schools in Sheffield and Essex, including Thurrock and Southend-on-Sea. In particular, I've been able to talk at any hour of the day, for any length of time, to schools hundreds of miles apart in the same day. This has allowed far greater flexibility, sustained engagement and multiple 'visits' for many of our schools.

This 'multi-intervention' approach has also included an Asian & Middle Eastern Studies taster series for Years 11 and 12 in March, spearheaded by Dr Laura Moretti and, in collaboration with ECSU, a four-month shadowing scheme for Year-11 BAME students. This mentoring project has been a fantastic opportunity to work closely with 20 students, supporting them in exploring new subjects, student life and the transition to A-level courses.

Undoubtedly this year has brought its challenges in all facets of education, but our relationships with schools and students across our link areas has continued to grow. I hope we will build on the lessons of online learning, while also allowing schools and students to visit Cambridge once again and get a taste for the friendly, welcoming community at Emmanuel.

WE RECORDED OUR LECTURES IN ADVANCE OF THE ACTUAL TIMETABLED SLOTS AND RELEASED THEM TO STUDENTS AS VIDEO STREAMS A WEEK BEFORE THE TIMETABLED DATE

ANURAG AGARWAL, FELLOW & DIRECTOR OF STUDIES IN ENGINEERING

LECTURES & PRACTICALS 2020-21

When in March 2020 we could not deliver lectures in person anymore, we had an opportunity to rethink how we deliver them. Instead, we recorded them in advance and released them to students as video streams a week before the timetabled date. The students were asked to watch before attending the lecture via Zoom, when we elaborated on some of the material covered in the recording, carried out demonstrations, shared anecdotes, solved example problems, and had an interactive question-and-answer session.

We realised that this format gives us more contact time compared with lectures in person, so the recordings can be a lot more detailed than usual. For example, we can explain all the minute details and steps in our mathematical derivations. In addition, students can watch the lectures at their own time and pace. They can slow down, speed up, pause and rewind.

The disadvantage, however, is that the students have to spend more time on the module because they need both to watch the video stream and also to attend the session on Zoom. This drawback is mitigated by the fact that they need less time to revise and solve example problems, because of the extra online resources. Practicals were a challenge. We gave students videos to watch; they then processed data collected by a demonstrator and wrote a report.

Going forward, we will incorporate more of a flipped-classroom approach, in which we release the recorded lectures in advance but replace the Zoom session with actual meetings in person.



THE GARDENS HAVE BEEN WELL USED FOR SUPERVISIONS THIS YEAR: HERE HEIDI (RIGHT) IS MEETING HER DIRECTOR OF STUDIES LAURA MORETTI (LEFT)

Heidi Clark is a first-year student reading Asian & Middle Eastern Studies, studying Japanese.

It goes without saying that it has been a strange year for students. Being a first-year, I have no other experience of university to compare with, so right now lectures over Zoom, formals in households and studying in the library wearing a mask, feel like university life.

The first few weeks of Michaelmas term were far more sociable than I'd expected, thanks to the Freshers' Reps, who organised a full programme of COVID-safe activities, mostly outside. The majority of these revolved around households so we all got to know the people on our staircase very well; even more so for some households (including mine) having to quarantine for two weeks.

I am told that in a normal year I would have been running from social event to social event, but even though many societies have run online activities, none of these took much of my time. My course was one of those with entirely live lectures, so I have been kept to a regular schedule and work is by far what I've been doing the most.

Having been told to travel light when going home at the end of Michaelmas term, I was left without my heavy textbooks and half of my clothes for Lent term, when we were told we couldn't come back. The Porters kindly posted me my two

essential textbooks, but I was only reunited with my hefty *History of Japanese Literature* in Easter term. Apart from the construction work going on outside my window (ah, Old South [Court]!), this term has been very positive. I have been lucky enough to have most my exams in person, whereas many students have had 24-hour – or longer – 'open-book' exams that they've had to take in their rooms. I've also finally met up with people on my course. While I can find positive elements of student life this past year, I am looking forward to a second year of a more normal variety!

THE PORTERS KINDLY POSTED ME MY TWO ESSENTIAL TEXTBOOKS, BUT I WAS ONLY REUNITED WITH MY HEFTY *HISTORY OF JAPANESE LITERATURE* IN EASTER TERM

COVID LIFE

The resourcefulness of students has been tested this year as we've all moved through tiers, restrictions and lockdowns. Sport, drama, music and all the extra-curricular activities that make Cambridge so special have adapted, helping participants to find ways to support each other in the toughest times and to enjoy the cautious opening-up in Easter term.



FOOTLIGHTS LOCKED DOWN

In March 2020 I was high-kicking and jazz-handing my way across the stage in *Guys and Dolls*, the annual Lent term musical at the ADC Theatre. When the two-week run was cut short by the introduction of a national lockdown, we all believed that we were being sent home to quarantine for two weeks at most. It is surreal looking back now at our rushed goodbye hugs in a packed dressing room, as we've experienced 18 months of lockdowns and closed theatres.

My time at Cambridge has been defined by the theatre and comedy scene, but my second and third years were not what I thought they would be. Easter term 2020 saw a plethora of online, radio and live-streamed shows: it was heartening to see the determination of the theatre community to continue creating and enjoying our shared passion.

MY TIME AT CAMBRIDGE HAS BEEN DEFINED BY THE THEATRE AND COMEDY SCENE, BUT MY SECOND AND THIRD YEARS WERE NOT WHAT I THOUGHT THEY WOULD BE

I had just become a member of the Cambridge Footlights, one of the biggest personal goals I've achieved at university, but it was not quite the experience I had been working towards. Sitting alone in my bedroom performing stand-up (sit-down?) comedy to a Zoom call of blank screens was as harrowing as it sounds, and about as far as it gets from the enthusiastic and inebriated buzz of the Footlights Smokers on a Tuesday night. The hardest part of theatre during the pandemic was our complete inability to manage our expectations: we are an extremely hopeful and slightly naïve bunch, so every cancellation hit harder than the last.

We did not give up. We adapted the planned December 2020 pantomime to fit a Zoom call in the spring, pre-recorded all our songs and hoped for the best: the end product was makeshift and slightly bizarre, particularly with our Panto Horse dipping in and out of connection, but it was a lot of fun and certainly an outcome of the times.

As I sit and write this a few days from my second vaccination I am hopeful for the future. I feel extremely lucky that I will be in Emma for a fourth year and I will appreciate my final year even more, given the challenges we have experienced. I am very excited to be back within the community that has supported me so much at university, to return to the chaos of the ADC stage and, most importantly, never to joke about COVID-19 ever again.

KATIE DEVEY, 2018

I AM HOPEFUL FOR THE FUTURE. I FEEL EXTREMELY LUCKY THAT I WILL BE IN EMMA FOR A FOURTH YEAR AND I WILL APPRECIATE MY FINAL YEAR EVEN MORE, GIVEN THE CHALLENGES WE HAVE EXPERIENCED

ON & OFF THE CAM

Rowing this year has been severely disrupted by the pandemic. The Fairbairns in Michaelmas term and both sets of Lents and May bumps were cancelled, making this a far from normal season.

We returned to the river at the end of March and since then we've had a great many students back down at the boathouse. They've enjoyed the start of some freedom and being back on the water. Having so many happy people around has been a pleasure.

The Boat Races went ahead in Ely, with Abba Parker (2017) racing in the winning women's Blue boat. In June a regatta was held on the river to replace the traditional bumps and all our crews had a successful week. Both our captains this year, Annabel Cardno (2018) and Finnian Robinson (2017), have



maintained a positive outlook despite all the restrictions, and continued to maintain the family spirit the Boat Club is famous for.

PETE TWITCHETT,
BOATHOUSE MANAGER



BACK ON THE RIVER (JUNE 2021)



PETE WITH HIS 'HEAD OF SECURITY', WIGGO (MARCH 2021)



ABOVE A HAPPY CREW IS A SUCCESSFUL CREW
BELOW SOME TRADITIONS AT THE BOATHOUSE
CARRY ON AS NORMAL



NO LOCKDOWN,
NO ISOLATION: IT'S
GOOD TO BE BACK!

WE RETURNED TO THE RIVER AT THE END OF MARCH AND SINCE THEN WE'VE HAD A GREAT MANY STUDENTS BACK DOWN AT THE BOATHOUSE. THEY'VE ENJOYED THE START OF SOME FREEDOM AND BEING BACK ON THE WATER. HAVING SO MANY HAPPY PEOPLE AROUND HAS BEEN A PLEASURE

WHERE ARE THEY NOW?

In last year's Emmanuel Review, we reflected on the way recent events highlighted the urgency of addressing global health issues, the importance of thinking about the complexity of relationships, and the need for research into the climate and environment. Here we give updates on how the past year has worked out for a few of those who wrote for us in 2020.

AMY ORBEN

Whilst working from my living room for most of this academic year, my research has developed in many exciting ways. I have finalised a large study that locates specific time windows during adolescence when the impact of social media use is heightened. This raises many interesting questions about how social media might interact with certain cognitive or social developments we experience in our teenage years.

After interviewing clinicians working directly with children and young people, I have become increasingly fascinated by how the mental health of clinical populations is affected by use of social media. For example, it might disproportionately adversely affect adolescents with depression or anxiety disorder. Further, my research has started incorporating questions and populations from the Global South, as my PhD student and I are now collaborating with UNICEF to examine online and offline harms in 13 countries in Southeast Asia, and eastern and southern Africa.

These projects and ideas have allowed me to become part of an interdisciplinary and international team that recently won a multi-million pound grant to investigate how digital technologies affect child and adolescent mental health and education. I hope that I will be able to do most of this work from my college office.



FROM HEALTH, TO SOCIETY, TO CLIMATE AND THE ENVIRONMENT, EMMA MEMBERS HAVE CONTINUED TO WORK ON SOME OF THE BIGGEST CHALLENGES FACING THE WORLD

FREYA FIRST WORE HER SCRUBS FOR THE PHOTOGRAPH LAST YEAR; SHE AND THEY HAVE SEEN MANY PATIENTS SINCE THEN



AMY HAS CONTINUED HER RESEARCH INTO DIGITAL CONNECTION IN THE PAST YEAR



FREYA SMITH

Having moved to London in the summer of 2020, I started work as an Foundation Year 1 (FY1) doctor at Queen's Hospital in Romford, in the acute medicine department. Although I'd learned a huge amount working as an Interim FY1 doctor in Bedford, the systems were completely different and it took a few weeks to settle in. Every day brought something new, from clerking patients in the emergency department, to reviewing stable in-patients, to attending 'crash calls' as part of the hospital-wide medical emergency team.

In December, I transferred to the general surgery department, a move that coincided with a sharp rise in COVID-19 cases and the entry of London into Tier 4. The hospital very quickly put a halt to all elective surgeries, and we only admitted acutely unwell patients. The workload was often high, but our camaraderie remained strong throughout; we've helped each other through some tough days.

I have assisted in a few operations alongside the daily in-patient ward rounds, and I have taken the lead on a communication initiative for patients with additional requirements within the department. In April I started a new job in paediatrics, which is a new and exciting challenge.

The COVID-19 situation within the hospital has improved massively. I am optimistic about the year ahead, and hope that we will all soon be able safely to do everything we've been yearning for over the last 12 months.



CALLISTA REGIS

2021: GOING FORWARD LOOKING BACK

Last year, I wrote about my experience as an immigrant living alone during the lockdown in England; here I am a year on.

To be honest, it has been downright challenging. I find it mentally and emotionally stifling and crippling: as an immigrant student caught in a pandemic overseas I do not have the usual social support. It has become easier to cope, yet I am incredibly lonely as I miss the people I love dearly. One roommate has returned, which makes it a little easier to cope: we talk, we cook and I even went rowing with her, but had to turn back because I was terrified that the boat would topple over.

I returned home for Christmas, and it really helped to recentre me. Shockingly, my 13-year-old son has grown taller than I am; this is a massive milestone, and he did not fail to brag about it.

I am doing research for my PhD with a group of students from my country of origin in the Eastern Caribbean. Although it is challenging, knowing that I will be able to contribute to an understanding of the literacy experiences of a group of teenagers in my country is satisfying. This is particularly important as countries such as mine are generally invisible in academic discussions.

My family and close friends continue to enable me to navigate the loneliness that I often feel. However, I have learned that redirecting my thoughts and deliberately engaging in social activities works well to keep me emotionally balanced. Therefore, even though I may not feel like it, I am ensuring that I get things done.

LAST YEAR, CALLISTA WROTE ABOUT THE UNEXPECTEDLY CHALLENGING FIRST YEAR OF HER PHD, WHEN SHE COULDN'T RETURN HOME TO HER FAMILY



JABIN BECAME INTERESTED IN ANTHROPOCENIC TIME IN LENT TERM 2020, AS SHE EXPLAINED IN LAST YEAR'S REVIEW



JABIN ALI

I graduated from Emma last year in the midst of the first lockdown, completing finals from home before embarking on a job hunt that, at times, risked feeling simultaneously productive and meaningless.

While it was certainly a difficult period, I was able to find strength in the Emma community, from the daily comforts of my friends and the kindness of my academic supervisors, to the support of the wider college and alumni network.

Entering the creative job market is no mean feat under normal circumstances, so I felt incredibly fortunate to be offered a position in October, at a design-led estate agency The Modern House. So far it has been an exciting and enjoyable journey, which has included the launch of our sister brand for historic homes, Inigo.

My time at Emma helped to shape my creative interests, and my confidence in pursuing them has been built by my experience of speaking to so many interesting Emma members since I left. I miss college a great deal, but feel comforted in the knowledge that I will always be welcome: it is a uniquely beautiful second home to me, and I feel very grateful for my time spent there.

A lot has changed since I last wrote for the *Review*, in both challenging and unexpectedly rewarding ways. I have not written about the Anthropocene at all recently, but in a year that has highlighted more than ever our relationship with and need to be close to nature, it is always at the forefront of my mind.



EMMA PEOPLE AND PLACE

Mary Louise Kelly (1994) is a US broadcaster and journalist, and hosts National Public Radio's daily news show All Things Considered. She had a conversation with Fiona Reynolds about her time as Master and what defines it.

MARY LOUISE KELLY: Greetings from Washington, and I am so pleased to do a farewell interview with you, this is great fun. Let's go back to the start: what was your first impression of Emma?

FIONA REYNOLDS: I used to come here as a Newnham student to socialise in the bar (yes, the one we've just demolished!), and I was immediately struck by that drop-dead gorgeous moment when you walk into Front Court and see the chapel. I was then, and still am, inspired by that iconic view. I could never in a million years have imagined I would end up Master of this beautiful college, so thank goodness that life is full of surprises.

MLK: When you became Master, what was it you came to do? What do you want to define your mastership?



Nicholas J Boyle

I COULD NEVER IN A MILLION YEARS HAVE IMAGINED I WOULD END UP MASTER OF THIS BEAUTIFUL COLLEGE, SO THANK GOODNESS THAT LIFE IS FULL OF SURPRISES ... I FELT AN IMMEDIATE SENSE OF CONNECTION WITH THE PLACE, AND I FELL IN LOVE WITH THE COLLEGE VERY QUICKLY

FR: Well, for me coming here after the National Trust wasn't that big a change, because what I loved in the Trust was that interaction of people and place: how places have this incredible personality of their own and how people live and work in a contemporary environment. It was a bit like coming from running the whole National Trust to looking after one property; I felt an immediate sense of connection with the place, and I fell in love with the college very quickly.

But it was a place that I felt needed to have new spaces for the community to interact as a whole. The Fellows have their areas, the graduate students have theirs, the undergraduates have theirs, and they only occasionally mix. So it felt to me as though we could benefit from new opportunities and spaces. The college already had a gleam in the eye about the next phase of development, and it's been a great joy and privilege to help define our next step. That's what *Emma enables* is, it's about people and the community coming together in new ways. To be able to craft both a vision and its delivery has been the thing I've really loved.

MLK: The *Emma enables* project is going to make a large part of the college look very different. What are you most excited about?

MARY LOUISE CAME TO EMMA FROM HARVARD IN 1994 TO READ FOR AN MPhil IN EUROPEAN STUDIES. WHILE HERE, SHE MET HER FUTURE HUSBAND NICK BOYLE (ALSO 1994). HER FIRST NOVEL, *ANONYMOUS SOURCES* (2013), FEATURES BOTH EMMA AND HARVARD

FR: *Emma enables* is transforming the entire southern end of the college into a very beautiful space, with fantastic new green areas. There will be new student rooms, meeting rooms and of course the new bar, and at the heart of it will be an airy, light-filled hub and café for the whole community to come together. People have teased me that this is my National Trust café, but actually it's not a joke because cafés are places where people get together and work, talk and interact. It is going to be spectacularly successful and I hope it will be a legacy that everybody really enjoys for the next few centuries: I'm sure it will very quickly become as if it's always been here.

MLK: You have brought a lovely warmth and informality to the college. Was that something that you thought Emma needed?

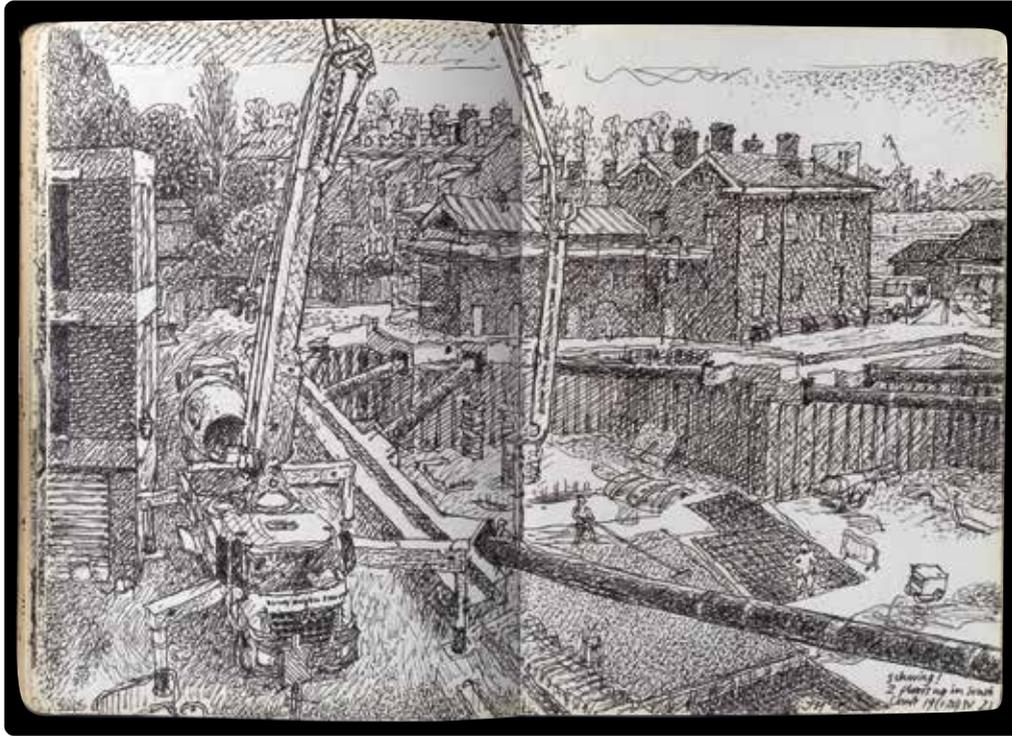
FR: I love people and have found it very hard not to be able to hug anyone during the pandemic! It comes naturally to me to be informal and inclusive, and I just dialled up the sense of community and friendliness that was already part of Emma. I hope I've played a part in making the college and the university more welcoming to people from all backgrounds.

MLK: You have just led the college through the strangest year ever. How do you look back on the pandemic period?

FR: The past year has been incredibly tough for everyone. There's a whole generation of students who haven't experienced Cambridge as all of us remember it. We wanted to make sure our students felt looked after and welcomed, so we ran lots of online events, created Emma goody bags for freshers and always made sure we stayed connected. I hope we'll be remembered as having done our utmost to get through this time together as a community.

MLK: What will you miss the most about being at Emma?

FR: Again it's people and place, it's in my DNA. I'm incredibly responsive to place and I absolutely adore this one. I'll miss everyone: what makes Emma truly wonderful is the community



EMMA: SPIRIT OF PLACE

EARLY IN FIONA'S MASTERSHIP AND AS THE FIRST STEP TOWARDS OUR CURRENT DEVELOPMENT PROJECT, THE COLLEGE COMMISSIONED A CONSERVATION STATEMENT (SEE WWW.EMMA.CAM.AC.UK/SPIRITOFPLACE). JON HARRIS FIRST DREW THE COLLEGE AS PART OF THAT PROJECT; SINCE THEN, HE'S DRAWN IMAGES FOR OUR RANGE OF MUGS (WWW.EMMA.CAM.AC.UK/MERCHANDISE) AND, MOST RECENTLY, HAS CAPTURED THE CURRENT BUILDING WORKS.

HERE CONCRETE IS BEING POURED FOR THE FOUNDATIONS OF THE BASEMENT

of interesting, highly motivated, genuinely delightful people. I've loved being surrounded by extraordinary students who are super clever, super curious, super interested, often multi-talented. Learning about the fascinating research of our Fellows, postgraduates and post-docs has been a great joy. And I've been incredibly moved by the love our members around the world have for the college and their generosity, not least in their support for *Emma enables*. I use the word love a lot – in fact, I think management by love is probably my philosophy – and I see love in Emma all the time; that, to me, is what makes it special.

MLK: Thank you so much for the joy, the warmth, the energy, the enthusiasm, and the interest in student life and learning that you've brought to the college. Thank you for steering us through years that have been joyous and years that have been really hard. We wish you the very best in the next chapter and can't wait to see what you do.

FR: Thank you, I've really loved it. I feel very fortunate that I will not truly be leaving, but will stay involved with the college as a Life Fellow, so I'll be back and will join in. We will stay in touch.



JON HAS PRESENTED A VOLUME OF HIS DRAWINGS TO THE COLLEGE FOR THE ARCHIVES

EMMA ENABLES THE MOST TALENTED PEOPLE TO MAKE GREAT CONTRIBUTIONS TO THE WORLD AROUND US

With our recent purchase of land beyond South Court we've begun constructing beautiful new buildings and spaces. At the same time we're developing plans for enhancing support for students, for preparing our community for life beyond Emma, and for welcoming a new community of early career academics – post-docs – into our college.

This vision takes Emma into the future. Today, patterns of work and study are changing, and there is growing emphasis on connectivity, community and teamwork. Finding answers to complex global challenges depends on our ability to bring people together across subjects, disciplines and backgrounds. Through *Emma enables* we can do this and transform the college for current and future generations.



www.emma.cam.ac.uk/emmaenables

EMMA'S MASTERS



JOHN PRESTON, MASTER 1622-28

With the latest election to the Mastership, a new chapter in Emmanuel's history begins.

Although most Oxbridge colleges now delegate their Mastership searches to professional headhunters, we believe in managing the process for ourselves. The earliest stage is to seek suggested names from the whole Emmanuel community. In April and May 2020 the Development Office invited Emmanuel members to propose possible candidates, and Fellows and Honorary Fellows were asked for their suggestions, as were the heads of all other Cambridge colleges. Based on responses that came in, I then wrote to nearly 100 individuals, asking if they were interested in letting their names go forward. Many phone conversations ensued, and after we advertised the vacancy in June 2020 there were further emails and discussions. COVID restrictions inevitably entailed new procedures. During Michaelmas term eight candidates spoke to socially distanced Fellows in the Queen's Building, and immediately afterwards talked to other Fellows via Zoom. This was undoubtedly a more testing experience than the informal encounters customary at this stage in previous elections. Yet by the Lent term 2021 presentations by shortlisted candidates had to be entirely by Zoom, as did the election itself.

In 1951 C P Snow's novel *The Masters* – supposedly based on Christ's College – had fictionalised the manoeuvrings commonly imagined to be the stuff

of Oxbridge Mastership elections. In 1951 the Fellows of Emmanuel – determined that, in their case, life should not imitate art – devoted precisely 45 minutes to electing Edward Welbourne. He was an Emmanuel man through and through, matriculating in 1912 and becoming Fellow and Senior Tutor before Master. He was an historian and on his retirement in 1964 the Fellows chose Sir Gordon Sutherland. As Director of the National Physical Laboratory, Sutherland was both a distinguished scientist and a public servant. Of Emmanuel's subsequent Masters, no fewer than four – Norman St John-Stevas, Richard Wilson, Fiona Reynolds, and now Douglas Chalmers – have brought invaluable experience to the college from outside academia. Elections of Masters from the worlds of public service and the charity sector have become increasingly the norm across Cambridge colleges. Even so, it was an academic Master, Derek Brewer, professor of English, whose visionary determination to purchase Park Terrace from Jesus College in 1984 transformed the possibilities of the college site.



WILLIAM SANCROFT, MASTER 1662-65



RICHARD FARMER, MASTER 1775-97

If we look back through Emmanuel's four centuries, past Masters inevitably seem characteristic of how we now view their times. There is Samuel Phear, energetic Victorian, overseeing reforms to teaching, a threefold increase in Emmanuel's student numbers, and the introduction of electric light. There is his troubled successor William Chawner, who in 1909 circulated to students and Fellows his pamphlet entitled *Prove All Things*, repudiating traditional Christianity and denouncing still-compulsory chapel-attendance. A century before there is Richard Farmer – brilliantly erudite bibliomaniac – whose genial portrait by Romney still hangs in the Parlour that Farmer's learned conversation made the intellectual centre of Cambridge society.

Our portrait of an earlier bibliophile Master, William Sancroft, painted in youth, already suggests the nervous personality whose later career as Archbishop of Canterbury would end in an agonising impasse of contradictory loyalties at the Glorious Revolution of 1688. Yet in commissioning Wren to build a new chapel, this most bookish of Masters crucially shaped the college. Our portrait of Emmanuel's second Master, John Preston, catches the dour demeanour of a brilliant Calvinist scholar, who was for a time well-connected in court circles (and hence rarely in Emmanuel) but fell completely from favour before his death. For these early Masters, the move from academia into the world of affairs brought only anguish. For more recent Masters, a move in the opposite direction has had a happily opposite outcome for Emmanuel.

BARRY WINDEATT, VICE-MASTER 2013-20

MASTERS OF EMMANUEL

- 1584-1622 LAURENCE CHADERTON
- 1622-1628 JOHN PRESTON
- 1628-1637 WILLIAM SANCROFT THE ELDER
- 1637-1644 RICHARD HOLDSWORTH
- 1644-1645 THOMAS HILL
- 1645-1653 ANTHONY TUCKNEY
- 1653-1662 WILLIAM DILLINGHAM
- 1662-1665 WILLIAM SANCROFT THE YOUNGER
- 1665-1676 JOHN BRETON
- 1676-1680 THOMAS HOLBECH
- 1680-1719 JOHN BALDERSTON
- 1719-1736 WILLIAM SAVAGE
- 1736-1775 WILLIAM RICHARDSON
- 1775-1797 RICHARD FARMER
- 1797-1835 ROBERT TOWERSON CORY
- 1835-1871 GEORGE JOHN ARCHDALL
- 1871-1895 SAMUEL GEORGE PHEAR
- 1895-1911 WILLIAM CHAWNER
- 1911-1935 PETER GILES
- 1935-1951 THOMAS SHIRLEY HELE
- 1951-1964 EDWARD WELBOURNE
- 1964-1977 SIR GORDON SUTHERLAND
- 1977-1990 DEREK STANLEY BREWER
- 1990-1991 CHARLES PETER WROTH
- 1991-1996 THE LORD ST JOHN OF FAWSLY
- 1996-2002 JOHN EIRWYN FFOWCS WILLIAMS
- 2002-2012 THE LORD WILSON OF DINTON
- 2012-2021 DAME FIONA REYNOLDS
- 2021- DOUGLAS MCKENZIE CHALMERS



DOUGLAS CHALMERS, MASTER-ELECT,
WITH HIS WIFE HELEN

WE GAINED EMPATHY FOR THE STRAIN THAT THOSE IN THE PUBLIC SECTOR FACE EVERY DAY. WE LEARNT FROM THEM AS MUCH AS THEY LEARNT FROM US. THAT MIX OF UNDERSTANDING EACH OTHER'S CAPABILITIES COUPLED WITH GENUINE RESPECT ALLOWED US TO BUILD EFFECTIVE TEAMS IN WHAT WAS A DIFFICULT TIME

COVID: MILITARY AID TO CIVIL AUTHORITIES

When we elected Douglas Chalmers as our twenty-ninth Master, he was fully occupied, as Deputy Chief of the Defence Staff, in liaising with the government about how the military could best help with the COVID-19 emergency, for which he was appointed CB in this year's Queen's Birthday Honours. This was the culmination of a distinguished military career, ending as Lieutenant General CB DSO OBE.

Because of heightened tensions in the Middle East, the beginning of 2020 was particularly busy for the Ministry of Defence. At the same time, stories of a virus started to emerge from China. I remember briefing ministers that January on what was going on in Wuhan and on how the situation was likely to evolve. Before long, COVID wasn't a small item on the agenda. It was the agenda.

BEFORE LONG, COVID WASN'T A SMALL ITEM ON THE AGENDA. IT WAS THE AGENDA

The military is designed and trained to be adaptable in a way that other government departments are not. As a result, it has always played a key role in the response to national events, such as a pandemic, and does so through a mechanism known as Military Aid to Civil

Authorities or MACA. Initially, we sent teams around the world to help the Foreign Office repatriate British nationals. But we knew more would be required and started looking at lessons learnt from previous events, such as the foot-and-mouth outbreak. That led us to identify a workforce of around 20 000 with the widest possible range of skills, to ensure that we would be ready to help when departments asked for military aid.

As always, we ended up doing a variation of what we'd envisaged. The biggest difference was the number of planning and operations teams that we deployed to departments and local authorities to help them think, plan and oversee delivery. The requirement was much larger than we'd expected, involving well over 1000 people, many of whom were drawn from the Defence Academy student and teaching population. As plans matured, we started to do more on the ground, starting with working on the increased demand for personal protective equipment. Our people helped the NHS acquire PPE, flew planes to collect it, provided staff in warehouses to sort the pallets and, on occasions, delivered equipment directly to where it was needed. At the same time military engineers, plumbers and electricians helped design and build what became known as the Nightingale Hospitals. In the second wave, when hospital wards came under real pressure, nearly 2000 auxiliary nurses and others bolstered the stretched NHS workforce. As local authorities worked to get

ahead of hospital admissions, we were often called upon to help establish testing programmes. Numbers were not small: more than 2000 helped in Liverpool, for example. For the rollout of vaccines, military vaccination teams worked across the UK to help centres achieve their targets while volunteers were being trained, and went to places that would otherwise not have been covered in the early days.

As relationships strengthened, those in other departments became more honest about their view of military assistance. They admitted to having been hesitant in the beginning as they had feared that we would try to dominate, to lead. But as they got to know our people, they valued them more and more. I often asked what changed? They explained that the humility and patience of the military people they met had surprised them. They also commented on the humour and companionship that those in the services brought to hard-pressed teams. Those encounters created trust, by proving that the military was there to enable rather than to impose. On our side, we gained empathy for the strain that those in the public sector face every day. We learnt from them as much as they learnt from us. That mix of understanding each other's capabilities coupled with genuine respect allowed us to build effective teams in what was a difficult time.

DOUGLAS CHALMERS, MASTER-ELECT



THANKING DONORS

Support from our members means a great deal to the college and we say thank you in various ways:

All benefactors

- are listed in the *Emmanuel Review*
- receive invitations to occasional events in college, including garden parties for donors
- are invited to an annual party in London for all donors in the previous year

All who pledge legacies to Emmanuel

- receive invitations to occasional events in college, including garden parties for donors
- are invited to join the Frankland Society

Loyal Donor Circle

Donors for past 10 years

- are able to dine at High Table for a third time each year
- are listed as such in the *Emmanuel Review* with a [*]

Master's Circle

£10 000 or more received

- are offered membership of the Master's Circle and invited to an annual dinner in college
- *£50 000 or more received*
- are offered membership of the Master's Circle and invited to an annual dinner in college
- are invited to the annual Gomes lecture and dinner
- *£100 000 or more received*
- are offered membership of the Master's Circle and invited to an annual dinner in college
- are invited to the annual Gomes lecture and dinner
- are invited to a Fellows' Guest Night in May or December

Benefactor Bye-Fellows

£250 000 or more received

- receive invitations to a number of college events
- are able to dine at High Table on a number of occasions each year
- are listed in the *College Magazine* and the *Cambridge University Reporter*
- are admitted at a ceremony in the Parlour
- have their names recorded on a board in the Old Library

Benefactor Fellows

£1 000 000 or more received

- receive invitations to many college events
- are able to dine at High Table on several occasions each year
- are listed in the *College Magazine* and the *Cambridge University Reporter*
- are admitted at a ceremony in the Parlour
- have their names recorded on a board in the Old Library



EMMA GIVES

16-17 March 2021

GIVING DAY 2021

Our second Giving Day, *Emma gives*, was held over 24 hours on 16-17 March. We reached Emma members around the world to raise funds for our student support fund, broken down into two main areas: student hardship, and access and outreach. Both have given crucial help to those students who have needed it most during the pandemic.

In all, 550 Emma members, staff, students, Fellows and friends across five continents gave £168 552 from 559 gifts. Much of this was raised on the day itself via our online platform and our special *Emma gives* virtual quiz; others donated beforehand to make the most of the £35 000 that was available to match gifts.

- Our initial target of 400 donors was reached with three hours to go
- 82 gifts were made by donors giving to Emmanuel for the first time
- Around 15% of our current regular donors made an additional single gift
- Nearly £13 000 was raised in the final hour
- We had 11 successful matching and challenge funds, including challenges for overseas members and for recent graduates

We have welcomed this year

Benefactor Fellows

Tim & Grace Freshwater
(1963 & 2021)

Tom & Anne Martin
(1956 & 2021)

Benefactor Bye-Fellow
Stefan Renold
(2003)

Securing Emmanuel's Future



LEGACIES

There are several ways to include Emmanuel in your Will. Please ask the Development Office for a brochure giving suggested wordings and explaining about different types of bequest, and for information about how a legacy could reduce inheritance tax liability. We also suggest you consult your solicitor.

I HAVE SET AN *Acorn*, WHICH
WHEN IT BECOMES AN *Oake*,
GOD ALONE KNOWS WHAT WILL BE
THE FRUIT THEREOF · SIR WALTER MILDMAY



EMMAENABLES

On 26 June we launched *Emma enables* with a 90-minute online programme of conversation, videos and animations, all hosted by Vick Hope (2007) and Bobby Seagull (2015) live from the Queen's Building. See www.emma.cam.ac.uk/emmaenables/video to watch.

Donors are making a difference in many ways and can choose which areas of the project to support. Their names will be incorporated into the decoration of the new facilities. See www.emma.cam.ac.uk/emmaenables/thankyou for details about how we're saying thank you.

LATE EIGHTIES FUND UPDATE

The Late Eighties Fund, established by Emma members who matriculated between 1984 and 1990, helps students suffering from financial hardship. In 2020-21 £35 000 has been disbursed as follows:

£17 790 – college's share of Cambridge bursaries

£5040 – payment to Villiers Park for seven students to take part in Inspire2INVOLVE online (see *Emmanuel Review* 2018)

£5000 – funding for an MPhil in history for an Emmanuel graduate

£5000 – funding for a PhD student in divinity

£2170 – support for five students in financial hardship

FUNDS RAISED DONATIONS 1 JUNE 2020 TO 31 MAY 2021

DONATIONS RECEIVED AND RECEIVABLE	£6 197 595
GIFTS IN KIND ¹	£182 246
LEGACIES PLEDGED	£1 965 084

¹ Fees not charged for managing part of the College's investment portfolio and for consultancy regarding fundraising

HARDSHIP FUNDS AND RENT BURSARIES 2019-20

203 GRANTS
£206 685 AWARDED
£118 293 FROM HARDSHIP FUNDS, BALANCE FROM ENDOWMENT

GRADUATE FUNDING 2020-21

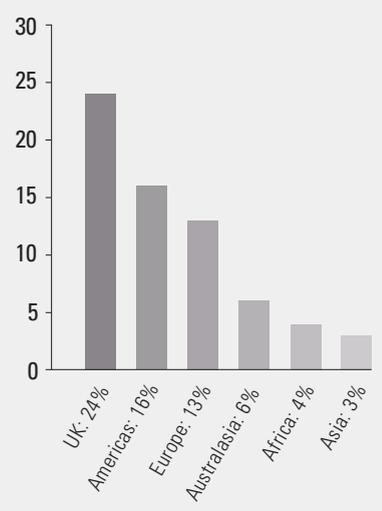
£27 697 ENABLED 9 GRADUATE STUDENTS TO COME TO EMMANUEL

FUNDS RECEIVED 1 JUNE 2020 TO 31 MAY 2021

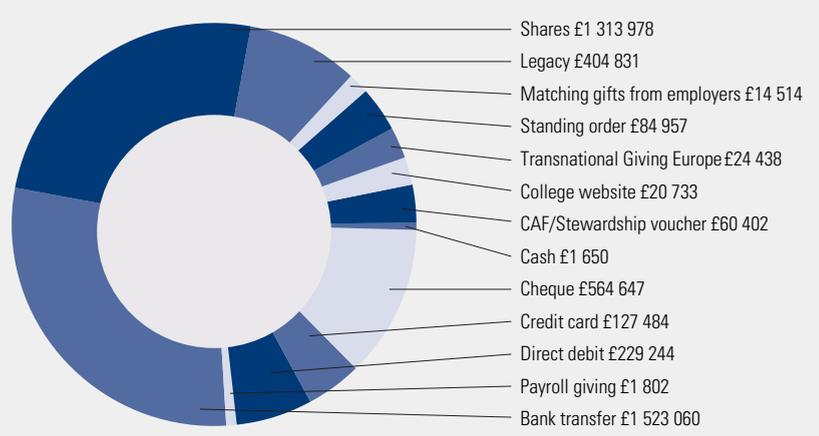
BUILDINGS, FACILITIES & GROUNDS	£51 508
EMMA ENABLES	£3 337 920
LIBRARY	£14 191
STUDENT ACTIVITIES ¹	£43 603
STUDENT SUPPORT, HARDSHIP & ACCESS ²	£274 834
STUDENTSIPS & SCHOLARSHIPS ³	£8 040
TEACHING & RESEARCH	£8 856
WHEREVER THE NEED IS GREATEST	£632 788
TOTAL	£4 371 740

¹ Includes donations to the Boat Club
² Includes a donation to help students with their mental health
³ Includes a legacy for a history prize

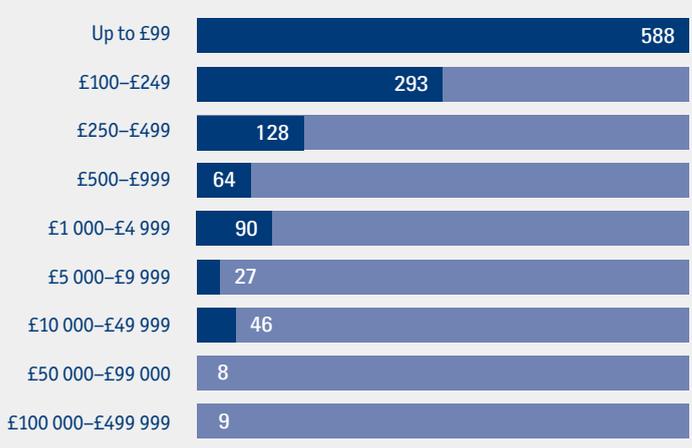
PARTICIPATION RATE BY REGION



SOURCES OF FUNDS RECEIVED 1 JUNE 2020 TO 31 MAY 2021



NUMBER OF GIFTS RECEIVED (average donation for gifts under £10 000 is £385)



IN 2020-21

- 20%** of Emma members asked made a gift to the college
- 81%** of gifts were under £500
- 34%** of donors asked the college to allocate their gift to wherever the need is greatest
- 24%** of living members have made a donation to Emmanuel in the last five years
- 29%** of living members have made a donation to Emmanuel in the last ten years
- 35%** of living members have made a donation to Emmanuel

TAX

Emmanuel College is a registered charity, number 1137456
 The Development Office can advise on tax-deductible giving through, for example, Gift Aid, charity cheques, gifts of shares, payroll giving, legacies and charity beneficiaries on death from 'alternatively secured pensions'

EMAILS, LIVESTREAMS AND MORE

Since March 2020 we've learned a lot about keeping connected at a time when meeting in person hasn't been possible.

Our regular emails, *Emma connects*, have kept members in touch with all things Emmanuel from the first issue on 2 April 2020 onwards, from research clips from Fellows, to blogs on the college archives and rare books collections, and snapshots of the college gardens. We've received some lovely comments, such as '[I've appreciated] the thoughtful way you have connected with us since the start of the pandemic; as a result I feel more connected with Emmanuel than I have ever done before'.

Likewise, making our recent launch of *Emma enables* a digital celebration meant it opened the event up to members around the world. Registrants from over 30 countries joined us virtually, celebration packs brought a little piece of Emma into everyone's homes, and comments and contributions were made on the day itself from everywhere from the USA to the UK, France and New Zealand.

Since the summer of 2019 we've been sending out a survey asking how much members feel part of the college community. This has given very useful feedback and our digital activity has clearly been appreciated. In February one reply was: 'I feel more part of the Emma community, just by virtue of your emails, than I did as an undergraduate in the 1970s, so keep it up'. We will.

[I'VE APPRECIATED] THE THOUGHTFUL WAY YOU HAVE CONNECTED WITH US SINCE THE START OF THE PANDEMIC; AS A RESULT I FEEL MORE CONNECTED WITH EMMANUEL THAN I HAVE EVER DONE BEFORE

BEHIND THE SCENES AT THE LAUNCH OF *EMMA ENABLES*

FROM TOP THE PRESENTERS, VICK HOPE & BOBBY SEAGULL, FIONA & DOUG ENDED THE EVENT WITH A TOAST TO EMMANUEL WITH APPROPRIATELY COLOURED MOCKTAILS

IN THE HARRODS ROOM A TEAM BROADCAST THE LAUNCH

THE FILMING WAS COORDINATED AT THE TOP OF THE LECTURE THEATRE

AFTER THE FIRST STREAM, WE GATHERED TO REVIEW AND MAKE A FEW TINY ADJUSTMENTS

ON EACH STREAM WE WERE JOINED LIVE BY MEMBERS WATCHING FROM OVERSEAS. HERE A FAMILY ON THE SOUTH ISLAND OF NEW ZEALAND TALK TO VICK: NOTE THE EMMA DECORATIONS

MEMBERS FROM THE FOLLOWING COUNTRIES JOINED THE LAUNCH OF *EMMA ENABLES*

AUSTRALIA
BELGIUM
BRAZIL
CANADA
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EMMA ONLINE

We send regular e-news, *Emma connects* (we need your email address)

- 📘 Emmanuel College Members (private group): www.facebook.com/groups/554901871328458
- 📘 Emmanuel in America: www.facebook.com/groups/emmausa
- 🌐 Alumni of Emmanuel College
- 🐦 Follow EmmaCambridge
- 📷 Follow EmmanuelCambridge

VISIT EMMA

We hope that we will be able to welcome Emma members to dine, stay or hold private events in college from Michaelmas term 2021, after having had to close to visitors during the pandemic.

- Dine at High Table (matric 2014 and earlier): www.emma.cam.ac.uk/dining
0044 1223 330476
(free for members, payment for a guest)
- Student guest rooms with shared facilities: www.emma.cam.ac.uk/guestrooms
0044 1223 334255
- Private meetings, meals and conferences: conferences@emma.cam.ac.uk
0044 1223 331978

The Emmanuel Society and Development Offices share staff and rooms on D staircase, Front Court:
emmanuel-society@emma.cam.ac.uk
0044 1223 330476



Sadly Christmas was a low point in the Lodge. The usual festive fun with the undergrads was a distant memory as the students adhered to the austere rules.

In the new year a few students returned to college and I was made Head Porter, a truly humbling experience. Almost all students came back in April, we've been keeping on top of testing, and we were really pleased to be able to open our doors, rather than just our hatch, to everyone in mid-May.

I would like to thank all the college staff that have supported the Lodge in the last year, especially Harriet Carey, who has been an immense support to me regarding the college testing programme and generally helping when needed. She is indeed an honorary porter! We have remained open throughout this whole demanding and challenging time, and this would not have been possible without the unflinching dedication that each and every porter has shown to me, the Lodge and the college.

Finally, having served as a Band Sergeant Major in the Royal Corps of Army Music, I am reminded of an old military saying: 'You are only as good as the team you lead' and believe me, my team is top notch.

LEFT DUCKS ARE WELL REPRESENTED IN THE PORTERS' LODGE, EVEN ON MONTY'S CANE

BELOW HAVING THE PIGEON-HOLES OUTSIDE HAS AVOIDED THE NEED TO GO INTO AN ENCLOSED SPACE TO CHECK FOR POST

A COVID-19 YEAR IN THE 'PLODGE'

STEVE MONTGOMERY ('MONTY') HEAD PORTER

As I write this review, it has been a year since the Lodge entered the first lockdown.

At that time I was a shift porter and, along with the rest of the team, apprehensive about our and the Lodge's future. The then Head Porter, Dave Glover, organised a COVID-19 shift pattern and abruptly we were down to a single porter on duty. The college closed down, and it became a very quiet and lonely place for the next few months.

As the year progressed the Lodge became central to the COVID-19 management and testing of returning students. All was going smoothly

and we were doing very well. Then came that infamous night before the second lockdown, when the COVID-19 rules were 'forgotten' for a few hours and young people made merry. The result that followed was a rather testing time for all the porters. Positive cases in the college soared and it was a huge relief that none of the staff caught the virus.

