

King's College, Cambridge

Annual Report 2022





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The Provost



As we start the next academic year, I can feel much relief that at last we are doing things more or less in the normal way again. Students are all back, Freshers' events will be properly in person and Covid safety restrictions removed, at least for the time being. Now we have reached some distance it is possible to see more clearly what an effect the pandemic has had on our community life. While, unlike some Colleges, we did not make any staff redundant as a result of the pandemic, many were on furlough or working

from home, with very little of the usual in-person workplace interactions. Students had to attend a number of lectures and supervisions online, and at any time ran the risk of being confined to households of 6-10 people when there was an outbreak of the virus. Initially most students were at home, which caused a great deal of stress in some cases. Fellows were forced, at least initially, to work from home, and all the administrative business of the College was conducted online. Though we got through it, there is no doubt that it will take time for all of us to re-establish the normal rhythm of College life. Some things will stay with us: the use of online platforms, very sporadic before the pandemic, is now seen as quite normal and has freed up a fair amount of time for those of us who had to travel all over Cambridge to a variety of meetings. Artificial and soulless as online meetings can be, they were an essential feature of the past two years and continue to be useful. It is impossible to conceive how we would have been able to carry on had the pandemic occurred 20 years ago, when such aids were basically non-existent.

A return to normal life has come just in time for us to be able to celebrate properly the admission of women undergraduates to King's (along

with Clare and Churchill) 50 years ago in 1972. A whole suite of events have been planned, and already portraits of Judith Weir and Caroline Humphrey have been commissioned; the latter is completed and hangs in the Hall. We have also enjoyed a brilliant piano recital by Susan Tomes, the first woman to read Music at King's, as part of the Alumni Weekend celebrations.

This autumn sees two of the senior College Officers stepping down. Tim Flack has completed his five-year term as Senior Tutor. This job has grown greatly in size and complexity over the years, and we are very grateful to Tim for all the work he has done to keep things running smoothly. He is succeeded by Myfanwy Hill, a Fellow in Veterinary Medicine. Keith Carne has also stepped down as First Bursar after 14 years in office. He has guided the College's finances wisely, even through the shock of the pandemic, as well as overseeing a very successful programme of construction and renovation, and has been much valued across the University in his roles on various committees. It has been more usual for our Bursars to leave well before retirement, so we all congratulate Keith on getting this far! He is succeeded by Ivan Collister who has had a number of roles in strategy and policy, including work in the civil service; we wish him similar longevity in office. In addition, Robin Osborne took over as Vice-Provost in January, following the end of Nick Marston's term and an interim period where Peter Jones generously stood in. We are very grateful to Nick for his work, especially for his attention to maintaining the traditions of the High Table, and his work to keep some kind of communal dining going during the later stages of the pandemic. On returning from a well-earned sabbatical, Nick will resume his other role as Praelector, presenting candidates for degrees in the Senate House.

The College's drive to become greener has been a source of great satisfaction. The new buildings on the Croft Gardens site, now called Stephen Taylor Court, are now finished to full *Passivhaus* standard, meaning minimal energy consumption and heating costs. We are very pleased that the new student accommodation on the site will be named after Tess Adkins, our greatly respected Life Fellow and former Senior Tutor.

We are also intent on encouraging biodiversity on the College estate. The wildflower meadow on the Back Lawn is now in the third year of a five-year experiment, and the use of Shire horses to mow the meadow in late summer was widely commented on with approval. Though no otters have yet been spotted on the Backs, an artificial holt has been established so that they have somewhere to move into when they do arrive.

On 1st October, I began my last year as Provost, and so am starting to do some things for the last time. The search for my successor is already underway, and I understand that there are hopes for an announcement on that front by the end of the calendar year. I have been lucky that the College has seen relative stability (the pandemic aside of course) over the last few years. It seems a bit early to reflect on the good things, and some bad things, that have happened to the College since 2013, and in any event the coming year promises to afford further challenges. My principal aim will be to build on the extraordinary success of our fundraising appeal, so ably directed by Lorraine Headen, with the aim of reaching our target of £100 million. This seemed quite out of reach when we began in 2018 but we have raised nearly £85m so far – a huge achievement. I am very grateful to so many alumni and friends of the College for the many gifts, large and small, that have enabled us to get this far.

MICHAEL PROCTOR

The Fellowship

New Life Fellows

Professor George Efstathiou, elected a Life Fellow on 22 July 2022

Visiting Fellows 2022-23

Professor Serge Cantat

Professor Catherine Conybeare

Professor Diane Davis

Professor Douglas Moggach

Professor Jeroen Tromp

Fellows moving on

The following left their Fellowships in the last year:

Dr Mark Ainslie, Ordinary Fellow

Mr Nick Cavalla, Extraordinary Fellow

Professor Khaled Fahmy, Professorial Fellow

Dr Ryan Heuser, Research Fellow

Dr Naomi McGovern, Research Fellow

Dr Julianne Obadia, Research Fellow

Dr Tejas Parasher, Research Fellow

Dr Adriana Pesci, Ordinary Fellow

Dr Mark Smith, Ordinary Fellow

Dr Edward Zychowicz-Coghill, Research Fellow

Associate Fellows and College Research Associates moving on

Mr Ben Parry, Bye-Fellow

Dr Carmen Diaz Soria, College Research Associate

Dr Johannes Lenhard, College Research Associate

Dr Matthijs Maas, College Research Associate

Dr Tobias Müller, College Research Associate

Dr Robin Oval, College Research Associate
 Dr Velislava Petrova, College Research Associate
 Mr Max Ritts, College Research Associate
 Dr Sinead Rocha-Thomas, College Research Associate

New Fellows

SEDA BASIHOS (*Economics, elected a Research Fellow on 25 November 2021*)

Seda is an applied macroeconomist, particularly interested in political economy of inequality and redistribution, long-run economic growth, and technological transitions. She is also interested in development economics and economic history. Her current research focuses on the potential macroeconomic and political implications of the computing revolution. She explores mechanisms typical of the computing era, which may underlie some major changes observed globally in recent years, such as democratic backsliding, rising income inequality, and stagnating wages.

Seda obtained her Bachelor's and Master's degrees in Economics from Hacettepe University in Turkey, and her PhD in Economics from the University of Lausanne. Seda joins King's as the inaugural Research Fellow in the Economics of Inequality. She will work with Professor Eric French and other members of the Economics Faculty.

FRANCESCO BIANCHINI (*Asian Studies, elected a Research Fellow on 12 January 2022*)

Francesco was born in the Northern Italian region Trentino-South Tyrol. He graduated from the University of Vienna before moving to Oxford for his doctoral studies. He is interested in the history and cultures of pre-modern Asia, especially along the southern Silk Roads before 1500, and has conducted fieldwork in India, Thailand, Indonesia, and China. Francesco has taught at the Universities of Vienna, Heidelberg, Oxford and Mahidol, and was also a research affiliate at the Lakshmi Mittal Institute (Harvard). His published and forthcoming papers explore cultural connectivity along the Silk Roads, the history of medieval Buddhist and Hindu institutions, royal courts and their official edicts, and the foundations of public healthcare and welfare.

GABRIELA MONTEJO-KOVACEVICH (*Zoology, elected a Research Fellow on 13 January 2022*)

Originally from Spain, Gabriela is an evolutionary biologist with a passion for natural history. She came to the UK to read Biology with Conservation and Biodiversity at the University of Sheffield, where she immersed herself in research. This led to four publications in a range of topics, from testing eco-evolutionary dynamics of stick insects in California to modelling sustainable timber harvesting by collecting butterflies in the Brazilian Amazon, which was the basis for a Master of Research degree with Professor David Edwards. For her PhD, she joined Professor Chris Jiggins at the Department of Zoology in Cambridge to study adaptation to altitude in tropical butterflies. By combining extensive fieldwork along the Andes, experiments, and whole-genome sequencing of over 600 butterflies, she has shed light into the phenotypes and evolutionary processes that allow organisms to inhabit a wide range of elevations in the tropics.

Gabriela's current and future work focuses on rapid evolutionary adaptation, through study systems such as invasive *Helicoverpa* moth pests in Brazil and insect biocontrol releases in the Cook Islands. She believes that understanding how organisms adapt rapidly to the environment will elucidate key conditions for the survival of species in the face of global change.

IVAN COLLISTER (*History, appointed First Bursar and elected an Ordinary Fellow on 4 May 2022*)

Ivan Collister is the incoming First Bursar. His background is in corporate strategy and policy, including as a senior civil servant and member of the leadership team in 10 Downing Street. Ivan worked under three prime ministers, Labour and Conservative, latterly overseeing Number 10's policy development capability during the Conservative-Liberal Democrat coalition. In the private sector, he has advised leading chief executives and investors on a wide range of strategic and commercial issues.

In recent years, Ivan returned to Cambridge to complete doctoral and postdoctoral research in modern British history. His interests lie at the intersection of social and political history, including the histories of literacy

and education, labour history, and the history of public policymaking. Ivan's most recent research explores working-class autobiography and self-expression over the long twentieth century.

Ivan's voluntary roles include advice to the chief executive of the Arts and Humanities Research Council and as a long-standing contributor to the Cambridge Centre for Science and Policy. He is also a Senior Visiting Fellow at King's College, London, and a Fellow of the Royal Society for Arts, Manufactures and Commerce.

ZHUANGNAN LI (*Chemistry, elected a Research Fellow on 20 July 2022*)

Zhuangnan is a chemist and material scientist interested in next-generation energy storage technologies. His research focuses on atomically thin two-dimensional materials for high-energy, fast-charging and long-life batteries. He has demonstrated an electrochemical energy storage device that can be fully charged within 10 minutes, and retain about 99% of its initial capacity after running for 20,000 cycles. His recent study develops a metal-free battery system based on the earth-abundant sulphur element, which can store twice the energy of state-of-the-art commercial lithium-ion batteries. This technological breakthrough has been granted as a patent, and is being built into a start-up by him and co-founders.

Zhuangnan obtained his BSc and MEng degrees from Jilin University and the University of Manchester respectively, followed by his PhD in Chemistry from University College London in 2020. He then joined University of Cambridge as a postdoctoral researcher in the Department of Material Science and Metallurgy. He is also a Research Fellow in the Faraday Institution since 2020. In addition to his research, he is particularly interested in innovations to achieve the net-zero carbon emission target.

APINAN HASTHANASOMBAT (*Computer Science, appointed a College Teaching Officer and elected an Ordinary Fellow on 11 October 2022*)

Api is an interdisciplinary computer scientist interested in building predictive, generative, and explanatory models using data. His recent research interests include applications and methodological aspects of

causality, in particular to understand and improve robustness of neural network models: a significant issue given the increasing interest in using these black-box models for safety-critical applications such as healthcare.

He also has a keen interest in translating research into building useful software with real-world applications. He has previous experience building systems for a social enterprise advocating for social mobility through contextual recruitment, a multinational financial institution, large-scale data collection for research, and a small business. Beyond research he is enthusiastic about making learning more efficient and accessible, and changing the incentives for producing digital and intellectual public goods.

Originally from Thailand, Api studied Computer Science at University College London, before moving to Cambridge to pursue his postgraduate studies supported by the Cambridge Thai Foundation, King's College and the Cambridge Trust.

New Fellow Commoners

CYNTHIA BITTNER (*elected a Fellow Commoner on 17 March 2022*)

Cynthia is the daughter of a Lutheran minister, and worship and music have always been very important in her life. She attended Concordia College at St. Paul, Minnesota, where she received a BA in Education, studying organ with Dr Paul O. Manz, and taught for one year at a parochial school in San Francisco while also serving as organist and children's choir director. She then went to Indiana University to take a Master's degree in Music - Organ Performance, studying with Oswald Ragatz. Cynthia went on to work in data management, retiring in 2020 after 20 years as a financial analyst at Wells Fargo. Her avocation, however, has always been music and she has been a church organist since the age of 15.

Cynthia's love for the Anglican choral tradition goes back to a LP record of the Westminster Abbey Choir dated 1968 (she was 13 at that time) which her late father, the Revd. Paul Bittner, received from a friend in England. Her attachment to King's College Choir began when Minnesota Public Radio started broadcasting *A Festival of Nine Lessons and Carols* in 1979.

Cynthia's dream was to attend this service, and in 2015 she was invited to the dress rehearsal, met Sir Stephen Cleobury and Organ Scholar Tom Etheridge, and had a chance to play the Harrison & Harrison organ. This experience led Cynthia and her husband to establish an Organ Scholar Endowment in honour of Stephen and Tom.

RANDAL SCHREINER (*elected a Fellow Commoner on 17 March 2022*)

Randal and his wife, Cynthia Bittner, established the "Friends of the Chapel and Choir of King's College Cambridge" community in mid-2016 to reach out to active supporters of the Chapel and Choir United States. The highlight of the six years of its existence included hosting fundraising parties with assistance of King's College Development Office and Cambridge in America. The last of these was held in 2019 when the Choir, led by Sir Stephen Cleobury, performed in St. Paul, Minnesota.

Randal holds a Certified Public Accountant certificate along with an MBA from the University of Minnesota Carlson School of Management. He has had a diverse career, including roles in financial analysis and sales and marketing at IBM. In addition, he was associate partner at Andersen Consulting (now Accenture), responsible for business development and specialization in IT procurement outsourcing. He has been active in volunteering at various non-profits, including as Secretary of the Cathedral of St. Paul Finance Council, Board Member and Treasurer at Abria Pregnancy Resources, and Membership Committee Chair of Gustavus Adolphus College Friends of Music.

New Bye-Fellows

SOPHIE PICKFORD (*Art History, elected a Bye-Fellow on 23 November 2021*)

Sophie is an Affiliated Lecturer in the Department of History of Art at Cambridge. She is also acting Director of Studies in History of Art at King's, and a Senior Teaching Associate at the Cambridge Centre for Teaching and Learning. Sophie holds a PhD in History of Art from the University of Cambridge and was a Junior Research Fellow at St Edmund's College. She also holds a first class LLB and worked as a lawyer in the City of London for several years.

Sophie has published on subjects from music in the French domestic interior (1500–1600) to Bloomsbury, ballet and the arts. Her current research focuses on early twentieth-century British art, with an emphasis on the cross-cultural interaction between the Bloomsbury Group and the Ballets Russes in the 1920s and '30s. In terms of educational practice, Sophie's work centres on the pedagogy of doctoral supervision and she is currently leading a University-wide project to enhance support for doctoral supervisors. Sophie is also interested in decolonized teaching practices, on which she recently gave a paper at the Society for Research into Higher Education's international conference.

DAVID ARVIDSSON-SHUKER (*Mathematics and Physics, elected a Bye-Fellow on 3 May 2022*)

David is a theorist working on quantum technologies and the foundations quantum mechanics. His recent research focuses on machine-learning algorithms for quantum computers, aimed towards, for example, simulations of molecules. He also develops technologies that utilise quantum phenomena to improve measurements of anything from time to the thickness of crystals.

David has Swedish and Kurdish ancestry and received his Bachelor's degree in Theoretical Physics at Durham University in 2013. He then moved to Cambridge and received his Master's degree in 2014, before joining King's for his doctoral research. He graduated in 2018 with a thesis entitled 'Quantum Telepathy and the Analysis of Particle Presence'. After his PhD, David held the Bengt Modéer post-doctoral fellowship at MIT, USA. There, he worked on quantum information theory and the quasi-probability representation of quantum mechanics. After that, he held the Sarah Woodhead Research Fellowship at Girton College, Cambridge, before taking up a permanent position within the Hitachi Cambridge Laboratory at the Cavendish site. Presently, David runs their quantum-theory group.

PETER FRANKOPAN (*Global History, elected a Bye-Fellow on 14 June 2022*)

Peter is a historian who works on the peoples, cultures and histories of the Silk Roads. His interests lie in looking at identities, connections and exchange across Eurasia and beyond from antiquity to the present day. Associate Director of the Silk Roads programme at King's since it launched in 2020, Peter was appointed UNESCO Chair in Silk Roads Studies at King's in 2022. He is Professor of Global History at Oxford University where he has been Senior Research Fellow at Worcester College since 2000. His books include *The Silk Roads: A New History of the World*, which has been translated into 40 languages, and *The New Silk Roads: The Present and Future of the World* which won the Human Sciences prize of the Carical Foundation in 2019.

Peter chairs UNESCO's Silk Roads Youth Research Grant Committee and is President of the Royal Society of Asian Affairs. He is a Fellow of the Royal Society of Literature, the Royal Historical Society, the Royal Asiatic Society, the Royal Geographic Society and the Royal Institute of Anthropology.

ANTHONY FREELING (*Business Strategy and Marketing, elected a Bye-Fellow on 14 June 2022*)

Anthony takes up the position of Acting Vice-Chancellor of the University with effect from 1 October 2022. He is the Former President of Hughes Hall and an Honorary Fellow of St John's College, where he completed an MA in Mathematics, followed by an MPhil and PhD in Management Studies.

Following a career in strategy, marketing and consulting at Mars Foods and McKinsey & Company, where he was a Senior Partner, Anthony now combines academia with not-for-profit activities. He chaired the Development Committee for The Open University and served as a member of its Council. He has also worked as an independent consultant advising companies in areas as diverse as law and global marketing. He researches and writes on business strategy and marketing and 2011 saw the publication of his first book, *Agile Marketing*.

A former Director of Ashridge Strategic Management Centre and Research Director of the Coca-Cola Retailing Research Councils for Europe and Asia, he is a trustee of the PHG Foundation, a non-profit think-tank, working to translate the application of biomedical science to health. He was previously on the Board of the charity, UnLtd – the largest supporter of social entrepreneurs in the UK. He is married to Laurel Powers-Freeling, currently Chair of Uber UK, two 'fintechs' and of Cambridge University Health Partners.

Fellows

Dr Zoe Adams	<i>Law, Admissions Tutor</i>
Dr Ronojoy Adhikari	<i>Mathematics</i>
Dr Tess Adkins	<i>Geography</i>
Dr Sebastian Ahnert	<i>Natural Sciences</i>
Dr David Al-Attar	<i>Geophysics</i>
Professor Anna Alexandrova	<i>Philosophy</i>
Professor John Arnold	<i>History</i>
Dr Nick Atkins	<i>Engineering</i>
Professor Gareth Austin	<i>History</i>
Dr Seda Basihos	<i>Economics</i>
Professor Mike Bate	<i>Developmental Biology</i>
Dr Francesco Bianchini	<i>Oriental Studies</i>
Dr Giulia Boitani	<i>French, Side Tutor</i>
Professor Richard Bourke	<i>History & Politics</i>
Dr Mirjana Bozic	<i>Psychology</i>
Dr Angela Breitenbach	<i>Philosophy</i>
Professor Jude Browne	<i>Social Sciences</i>
Professor Nick Bullock	<i>Architecture</i>
Dr Katie Campbell	<i>Archaeology</i>
Professor Matei Candea	<i>Social Anthropology</i>
Dr Keith Carne	<i>Mathematics</i>
Professor Richard Causton	<i>Music</i>
Revd Dr Stephen Cherry	<i>Theology, Dean, Learning Support Tutor</i>
Dr Maurice Chiodo	<i>Mathematics</i>
Dr Alexandra Clarà Saracho	<i>Engineering</i>
Dr Ivan Collister	<i>History, First Bursar</i>
Professor Francesco Colucci	<i>Life Sciences</i>
Dr Sarah Crisp	<i>Medicine</i>
Dr Laura Davies	<i>English, Graduate Tutor</i>
Professor Anne Davis	<i>Applied Mathematics, Research Manager</i>
Professor Peter de Bolla	<i>English, Wine Steward</i>
Dr James Dolan	<i>Science Communication</i>

Professor John Dunn	<i>Politics</i>
Professor George Efstathiou	<i>Astrophysics</i>
Professor Brad Epps	<i>Modern Languages</i>
Professor Aytek Erdil	<i>Economics</i>
Dr Sebastian Eves-van den Akker	<i>Natural Sciences</i>
Dr Elisa Faraglia	<i>Economics</i>
Professor James Fawcett	<i>Physiology</i>
Professor Iain Fenlon	<i>Music</i>
Dr Tim Flack	<i>Electrical Engineering</i>
Dr Freddy Foks	<i>History</i>
Professor Rob Foley	<i>Biological Anthropology</i>
Professor Matthew Gandy	<i>Geography</i>
Professor Chryssi Giannitsarou	<i>Economics</i>
Lord Tony Giddens	<i>Sociology</i>
Professor Ingo Gildenhard	<i>Classics</i>
Professor Chris Gilligan	<i>Mathematical Biology</i>
Professor Simon Goldhill	<i>Classics</i>
Dr David Good	<i>Social Psychology, Research Manager</i>
Professor Caroline Goodson	<i>History</i>
Professor Tim Griffin	<i>Computer Science</i>
Professor Gillian Griffiths	<i>Cell Biology & Immunology</i>
Professor Mark Gross	<i>Mathematics</i>
Professor Henning Gross Ruse-Khan	<i>Law</i>
Professor Cesare Hall	<i>Engineering</i>
Professor Ross Harrison	<i>Philosophy</i>
Mr Apinan Hasthanasombat	<i>Computer Science</i>
Dr Katie Haworth	<i>Archaeology</i>
Ms Lorraine Headen	<i>Director of Development</i>
Professor John Henderson	<i>Classics</i>
Dr Felipe Hernandez	<i>Architecture</i>
Dr Kate Herrity	<i>Criminology, Graduate Tutor</i>
Dr Myfanwy Hill	<i>Medical and Natural Sciences, Senior Tutor</i>
Dr David Hillman	<i>English</i>

Dr Stephen Hugh-Jones	<i>Social Anthropology</i>
Professor Dame Carrie Humphrey	<i>Asian Anthropology, Graduate Tutor</i>
Professor Herbert Huppert	<i>Theoretical Geophysics</i>
Mr Said Reza Huseini	<i>History</i>
Dr Alice Hutchings	<i>Computer Science</i>
Mr Daniel Hyde	<i>Music, Director of Music</i>
Professor Martin Hyland	<i>Pure Mathematics</i>
Mr Philip Isaac	<i>Domus Bursar</i>
Dr Malarvizhi Jayanth	<i>History</i>
Professor Mark Johnson	<i>Psychology & Behavioural Sciences</i>
Mr Peter Jones	<i>History</i>
Dr Jerelle Joseph	<i>Chemistry</i>
Dr Aileen Kelly	<i>Russian</i>
Professor Barry Keverne	<i>Behavioural Neuroscience</i>
Dr Philip Knox	<i>English</i>
Dr Patrycja Kozik	<i>Natural Science – Molecular Biology</i>
Dr Joanna Kusiak	<i>Urban Studies</i>
Professor James Laidlaw	<i>Social Anthropology</i>
Professor Richard Lambert	<i>Physical Chemistry</i>
Dr Zhuangnan Li	<i>Chemistry</i>
Professor Charlie Loke	<i>Reproductive Immunology</i>
Professor Sarah Lummis	<i>Biochemistry</i>
Professor Alan Macfarlane	<i>Anthropological Science</i>
Dr Cicely Marshall	<i>Plant Sciences</i>
Professor Nicholas Marston	<i>Music, Praelector</i>
Professor Jean Michel Massing	<i>History of Art</i>
Dame Judith Mayhew Jonas	
Professor Dan McKenzie	<i>Earth Sciences</i>
Professor Cam Middleton	<i>Engineering</i>
Dr Jonah Miller	<i>History, Side Tutor</i>
Dr Fraz Mir	<i>Medical Sciences</i>
Dr Perveez Mody	<i>Social Anthropology</i>
Professor Geoff Moggridge	<i>Chemical Engineering</i>

Dr Kamiar Mohaddes	<i>Economics, BME Graduate Tutor</i>
Dr Gabriela Montejo-Kovacevich	<i>Zoology</i>
Dr Ken Moody	<i>Computer Sciences</i>
Dr Basim Musallam	<i>Islamic Studies</i>
Dr Rory O'Bryen	<i>Latin American Cultural Studies</i>
Dr Rosanna Omitowaju	<i>Classics, Welfare Tutor, Side Tutor</i>
Professor Robin Osborne	<i>Ancient History, Vice-Provost</i>
Professor John Perry	<i>Medical Sciences</i>
Professor Chris Prendergast	<i>French, Fellow Librarian</i>
Dr Surabhi Ranganathan	<i>Law</i>
Dr Ben Ravenhill	<i>Medical Sciences</i>
Professor Bob Rowthorn	<i>Economics</i>
Professor Paul Ryan	<i>Economics</i>
Professor Hamid Sabourian	<i>Economics</i>
Dr Mira Seigelberg	<i>History and Politics</i>
Professor Jason Sharman	<i>Politics</i>
Dr Mike Sonenscher	<i>History</i>
Dr Sharath Srinivasan	<i>Politics, BME Undergraduate Tutor</i>
Professor Gareth Stedman Jones	<i>History</i>
Dr James Taylor	<i>Engineering</i>
Mr James Trevithick	<i>Economics</i>
Professor Caroline van Eck	<i>History of Art</i>
Professor Bert Vaux	<i>Linguistics</i>
Dr Jamie Vicary	<i>Computer Science</i>
Dr Rob Wallach	<i>Material Sciences</i>
Professor Darin Weinberg	<i>Sociology</i>
Dr Godela Weiss-Sussex	<i>German</i>
Dr Tom White	<i>Physics</i>
Professor John Young	<i>Applied Thermodynamics</i>
Professor Nicolette Zeeman	<i>English, Keeper of the College Art Collections</i>

Director of Research

Professor Tim Griffin	<i>Computer Science</i>
Professor Ashley Moffett	<i>Medical Sciences</i>

Honorary Fellows

Professor Danielle Allen
 Mr Neal Ascherson
 Professor Atta-ur-Rahman
 Professor John Barrell
 Professor Sir George Benjamin CBE
 Lord Clarke of Stone Cum Ebony
 Professor Michael Cook
 Miss Caroline Elam
 Professor John Ellis CBE
 Sir John Eliot Gardiner
 Professor Dame Anne Glover
 Professor Oliver Hart
 Dr Hermann Hauser CBE
 Lord King of Lothbury
 Professor Sir Geoffrey Lloyd
 Professor Dusa McDuff
 Ms Frances Morris
 Lord Phillips of Worth Matravers
 Professor C.R. Rao
 Lord Rees of Ludlow
 Lord Sainsbury of Turville
 Professor Leslie Valiant
 Professor Herman Waldmann
 Ms Judith Weir CBE

Fellow Benefactors

Mr Robin Boyle
 Mr Ian Jones
 Mr Kahshin Leow
 Mr Malcolm McKenzie
 Mr Martin and Mrs Lisa Taylor

Fellow Commoners

Mrs Cynthia Bittner and
 Mr Randal Schreiner
 Mr Nigel Bulmer
 Mr Michael E. Carrell
 Ms Meileen Choo
 Mr Alan Davison
 Ms Elizabeth Desmond
 Mr Anthony Doggart
 Mr Hugh Johnson OBE
 Mr Stuart Lyons CBE
 Mr Lars McBride
 Dr Jonathan Milner
 Mr Gavin Oldham OBE
 Dr William Owen
 Mr P.K. Pal
 Dr Mark Pigott Hon KBE
 Mr Benjamin Reiter and Mrs Alice
 Goldman Reiter
 Mr Hartley Rogers and Ms Amy
 Falls
 Dr Stephen Skjei and Mrs Priscilla
 Skjei
 Ms Zadie Smith and Mr Nicholas
 Laird
 Mr Nicholas Stanley
 Mr Adrian Suggett and Mrs Tessa
 Suggett
 Mrs Hazel Trapnell
 Dr James Tuohy MD
 Mr Jeffrey Wilkinson
 The Hon Geoffrey Wilson
 Mr Morris E. Zukerman

Emeritus Fellows

Professor Bill Burgwinkle
 Professor Anne Cooke
 Professor Julian Griffin
 Professor Christopher Harris
 Mr Ken Hook
 Dr David Munday
 Ms Eleanor Sharpston
 Professor Azim Surani

Bye-Fellows

Dr Poppy Aldam
 Dr David Arvidsson-Shuker
 Professor William Baker
 Dr Rebecca Buxton
 Dr John Filling
 Professor Peter Frankopan
 Dr Anthony Freeling
 Dr Fiona Godlee
 Professor Richard Jozsa
 Ms Stevie Martin
 Dr Sophie Pickford
 Dr Thomas Roulet (*Lay Dean*)
 Dr Sarah Williams

Chaplain

The Revd. Dr Mary Kells

Emeritus Chaplain

The Revd. Richard Lloyd Morgan

College Research Associates

2017

Dr Adam Green

2019

Dr John Danial
 Dr Emily Linnane
 Dr Sarah Whiteside
 Dr Christina Woolner

2020

Dr Chloe Coates
 Dr Sophia Cooke

2021

Dr Edgard Camarós
 Dr Timothy Cooper
 Dr Tiphaine Douanne
 Dr Tiffany Harte
 Dr Jasmine Lee
 Dr Kerrie McNally
 Dr Miri Zilka

2022

Dr Anna Iampolska
 Dr Anahita Arian
 Dr Alessandra Basso
 Dr Shannon Bonke
 Dr Ibrahim Dar
 Dr Tom Dendooven
 Dr Edwin Rose
 Dr Dong-Gang Wang

Letrices

Benoîte Gottiniaux
 Colombe Garnier

ROBIN OSBORNE

Vice-Provost



Tutorial

The academic year 2021-22 has been characterised by King's returning to something approaching normal. This is obviously a welcome relief after a year and a half of Covid blighting the lives of all in our community, but particularly those of our students. For many of them, this equates to just short of 50% of their time at university, and so seeing King's bounce back to its normal vibrant community has been a pleasure to witness.

'Normal' should be interpreted liberally. Whilst all the usual events that students enjoy returned, such as Formal Halls, end of term mingles, and the King's Affair, the College remained cautious in its approach, often resulting in reduced numbers and alterations to arrangements. Some students have found it hard to adapt to in-person teaching, while others have embraced it.

Nevertheless, many of the King's societies resumed full programmes of activities, and it was particularly good to see King's Politics leading the way by organising some outstanding talks that were appreciated by students, staff and Fellows. Similarly, the Entrepreneurship Lab really blossomed this year, not only for the students who took part in its residential programme, but also through the high-profile talks organised by the two co-directors.

So, overall, an atmosphere of cautious optimism prevailed over the year, with significant strides being taken towards getting back to normal. But we are not yet where we would like to be, and this is showcased by our undergraduate results.

Results

To appreciate the following results, some context is important. Most of our Finalists had never sat an in-person Cambridge exam until Easter 2022.

So although we organised progress exams in a typical exam environment to help with this, there is no doubt that some of our students were not prepared for the stress that can be caused by in-person exams on which their entire degree class rests.

Our Second Years did not sit their A-levels, and were admitted on the back of the 2020 teacher-predicted grades, following the government's algorithm fiasco. They then endured the worst possible start to their time at university, coming up to Cambridge during the height of the pandemic, which set them back in a number of ways.

Our First Years have also struggled to adapt, having had their tertiary education badly disrupted, although at least they have benefited from a virtually normal first year Cambridge experience. But the two years between secondary education and starting a degree course are important formative years, in which a lot of growing up occurs. There is no doubt that this would have been hampered by the impact of the pandemic restrictions.

With this background, it should not be too surprising that our results are something of a mixed picture.

Our Third/Fourth Year students, many of whom were Finalists, did pretty well in the year that really matters. We had 51 students awarded First/Distinctions, including 3 starred Firsts, 69 students awarded a 2.1/Merit, 15 students awarded a 2.2/Pass, and two students receiving Thirds. As percentages, these equate to 36.4%, 49.3%, 10.7% and 1.4% respectively. The respective percentages of this cohort last year were 22%, 53%, 11% and 14% (this final figure is somewhat misleading as it also included students who failed but were 'Allowed to Progress' under the Covid mitigations that were in place for the 2020-21 academic year). So it was very gratifying to see the academic progression of this cohort of students, under such trying circumstances.

Our Second Years did fairly well, with 33 receiving Firsts, 69 receiving a 2.1, 20 a 2.2 and 4 a Third. As a cohort they improved slightly on their first

year results, and the hope is that they will push on as Finalists and reach their true potential.

Our first-year results demonstrate a lot of good, steady performances, but there is plenty of scope to add value to this cohort. 12% obtained Firsts, which is substantially below the University average. However, 45% obtained 2.1s, demonstrating that the academic potential is certainly there. 26% obtained undivided 2s and 2.2s, with 7% obtaining a Third.

Overall, these are mixed results. I am pleased that our finalists have done well, and there are some very good results amongst our students in lower years too. But I am also concerned that we have a significant number of students who will need a great deal of support if they are to succeed in the coming years.

Undergraduate admissions

The admissions process at King's is tailored towards identifying students with the most academic potential: those likely to thrive, and flourish, on their chosen degree course, but also at King's and Cambridge more generally.

This is done through a careful analysis of the student's file, their academic record, their personal statement, and their references, as well as through the interview process. This year, students' academic records were primarily based on teacher assessments, the students not having had the opportunity to sit GCSE or A-level equivalent exams in person. Interviews, as with the last couple of years, took place online. This has not, however, hindered our capacity to identify talent and potential, and we are confident that our selection procedures are robust, fair, and inclusive – as is evidenced from the high proportion of state school students who have been given offers, as well as the high numbers of students from disadvantaged backgrounds. In this respect, we feel that online interviews have again proven highly beneficial for helping break down barriers, and reduce some of the intimidation traditionally associated with the interview process.

As with previous years, King's was a popular choice, attracting 1009 applications, 967 for 2022 entry, and 42 for deferred entry a small rise

from the previous year. From that initial pool we made 155 offers – 143 for immediate entry in October 2022 [compared with 159 in 2020-21] and 12 [compared with 6] in 2020-21 for deferred entry in 2023.

67.2% of our total 2021-22 applications were from the UK (domicile); 7.7% from the EU, and 24.1% from non-EU Overseas. Of the UK domiciled applicants, 83.4% were from the maintained sector, and 16.6% from the independent sector.¹ This can be compared with 82.5% and 17.5% respectively in 2020-21.

Offers

In terms of the offers made, 81.9% of offers went to UK domiciled students; 3.9% to EU, and 14.2% to other Overseas. 78% of our offers to UK domiciled students went to students from the maintained sector [76.4%].

Pooled candidates

A further 42 [2020-21: 22] candidates, or roughly 19% [2020-21: 11.5% of our pooled applicants received offers from other Colleges in the winter pool. After the drop in successful pool candidates in the last round, this is a good development, showing we are attracting strong candidates.

Confirmation

The confirmation period appeared to be quite complex this year, with a number of students receiving (low) A level grades initially although it turned out parts of their papers had not been marked at all. On top of that some exam results were missing entirely and came in later. We had 27 missed offers initially, 2 of these met their offer after a remark. A further 17 were reprieved. Of those offer-holders who missed their offer at King's, we added 6 to the intercollegiate summer pool, plus one additional student who had met the offer for 2022 but wanted to defer 2 years and couldn't be offered this at King's. Two of these were subsequently offered a place at another college.

¹ Information on School type – Maintained/Independent split – is approximate to eventual published stats (in May 2023); comprehensive checking of applicant schools (and attempting to fill in 'UCAS apply online' gaps where possible) won't happen until the New Year, but this doesn't usually make a large difference overall, and differences at College level should be negligible. The official final statistics will be available online from May 2023.

King's also made offers to one "adjustment" candidate from the August reconsideration pool. This student applied to Cambridge in 2021 and was interviewed by a Cambridge college, but did not receive an offer in January 2022. They did however meet or exceed our typical grades in August and as a widening participation candidate were eligible to enter the August reconsideration pool.

Of our acceptances, 92.7% were for 2022 entry, and 7.3% for deferred entry. 83.2% were UK domiciled, 2.9% EU domiciled, and 13.9% other overseas. Of the UK domiciled students who were accepted, 78.1% were from the maintained sector. 50.9% of UK domiciled acceptances were by women; and 50.4% of overall acceptances were by women.

Outreach

Of course, selecting students is only part of the task; equally important is inspiring and encouraging students from all backgrounds to apply to King's, and University more generally. This is where our outreach work is so important. These initiatives are designed to encourage and inspire students to apply to King's, and other top universities, regardless of their background, and we devote considerable time and effort towards assisting students with their applications, and making them aware of the various opportunities that are open to them. Our Access Bus allows us to go into schools and talk to students about what King's has to offer, while also enabling us to offer assistance with the application process. Our various residentials further enhance these opportunities, allowing students to directly experience University life and get an insight into what life at King's might be like in practice. Some of these residentials are specifically oriented towards showing students how a degree in a particular subject might support them in later life, helping to open their eyes to the opportunities that degree subjects they may not have encountered might provide.

In addition to these initiatives, we also ensure that students are supported throughout the application process itself, including offering advice on interviews and applications, as well as tutoring and mentoring opportunities in order to help students meet their conditions. This support

is then continued in the period between confirmation and the start of the new year, during which we offer a small number of students who meet a range of widening participation criteria the opportunity to attend our two-week Bridging Programme, conducted in co-operation with Christ's College and Gonville and Caius. This scheme combines a one-week residential with a one-week online course, and integrates social activities with academic-style content, with a view to helping to 'bridge the gap' between secondary school and university, thereby making it easier for students to assimilate in the first term. All these initiatives would not be possible without the generosity of alumni.

We also have our alumni to thank for the donations that allow us to support a number of our students after the start of their first term. This includes ongoing tutoring, offered by The Profs, helping students with any content or skills about which they are concerned; technology grants to help them purchase the devices required for their course; as well as a Summer Research grant than can help them take advantage of opportunities to undergo internships, or other professional development programmes, during the summer. All of these initiatives help to ensure that we not only welcome students from some of the most disadvantaged backgrounds into King's, but that we also provide them with the support they will need to thrive, and make the most of the opportunities that King's has to offer. As always, many of the students to whom we provide this support are then extremely active in helping with our outreach initiatives, and provide indispensable support for our admissions and outreach work more generally.

Moving forward

We have a number of exciting initiatives on the horizon in relation to outreach, and will be making a number of announcements about these in due course. In addition to this, we are exploring how we might be able to increase the number of technology grants we can provide. Finally, we are always looking to improve the quality of the materials we provide to potential applicants, offering new masterclasses, and other resources, to help them prepare for the admissions process.

In terms of the Admissions Round 2022–23, interviews will again be online, but we expect that we will now be moving back towards a system that relies primarily on exam results, rather than teacher assessments, potentially providing a more reliable and consistent guide as to potential. In order to accommodate this shift in the interview process, we will also be running a day to give offer-holders a chance to visit King's prior to matriculation.

None of this work would be possible without the effort, and commitment, of the Senior Tutor, the Director of Development, and our fabulous Admissions and Outreach team; nor without our dedicated student mentors. We must also thank our generous donors, whose donations have truly revolutionised the possibilities when it comes to our capacity to provide opportunities to students from all backgrounds, and really enhance and act upon our commitment to equality of opportunity.

ZOE ADAMS

Admissions Tutor

Graduate admissions

In last year's report I mentioned the challenge posed by the continuous flow of applications for postgraduate studies and the difficulty to make admissions decisions without a view of the whole field of applicants. This past year we have modified admissions slightly, allowing our Directors of Studies to assess applications at specified intervals in order to make comparisons among the applications received during that period, going some way towards mitigating the risk of offering College membership on a first-come, first-served basis.

This year we have received an exceptionally high number of very talented applicants who have scored top marks in their department of choice. Many of these high-flyers have nevertheless accepted offers at other universities. We suspect that a timely allocation of scholarships by the University Central Funding Scheme may resolve this problem.

Our target at King's is to admit around 70 postgraduate students each year – made up of in the region of 45 students on MPhils or other short courses, and around 25 new PhD students. In the latest admissions round, we had 495 applicants and made 162 offers, with the expectation that around half of these would not take up the offer or meet their conditions. As a result, this Michaelmas we welcomed 95 new postgraduate students: 51 for MPhils and other short courses, and 44 for PhD courses. 55 of these (33 MPhil, 22 PhD) are studying in the Arts, Humanities and Social Sciences, and 40 (18 MPhil, 22 PhD) in the Sciences.

Since the enacting of legislation regarding Britain's exit from the European Union, studying in the UK is about twice as expensive for overseas students as it is for home students. Nevertheless, 48 overseas students have joined the College this year, as well as two students with refugee status. The cohort of eight medical students who have completed their three-year undergraduate course have now joined the body of King's postgraduates, which includes a total of 23 medical students in their final three years.

Scholarship applications for centralised funding are administered by the University Central Funding Scheme and we are fortunate to have generous donors and a brilliant Development Office, thanks to whom we could fully or partly support 54 postgraduate studentships through our own funds. Of these, 23 were for continuing scholars and 31 for first-year studentships (14 PhD and 17 MPhil). 23 of these 31 new students are funded in partnership with the University Central Funding Scheme and eight are fully funded by King's.

Seven graduate students have come to King's as part of the 2022 cohort of Gates Cambridge. This year's intake consists of students representing countries including Colombia, Puerto Rico, Taiwan and Ukraine and studying subjects ranging from climate infrastructure and oncology to Latin American horror literature.

Congratulations to the 106 postgraduate students who have completed their courses during the past year: 44 PhD, 51 MPhil and 11 other short courses.

Graduate Tutor Laura Davies has expertly supported, with my help, our 342 PG students pastorally, assisting them in their academic endeavours. A big thank you also goes to our energetic and very capable Graduate Administrator Ània Garcia.

FRANCESCO COLUCCI

Graduate Tutor

Some reflections on the last 5 years

I am writing this as my five-year term as Senior Tutor comes to an end. This gives the opportunity to reflect on a role in which it has always been a privilege, and mostly been a pleasure, to serve. Below are some highlights, and a few lowlights for balance.

The Good

- The people I have worked with, who have supported the Tutorial effort tirelessly. More on this at the end of the report.
- The establishment of an Education Committee, which has proved to be an excellent resource in guiding our educational provision. Previously this was the remit of Council, but a dedicated Committee allows greater time and thought to be devoted to this important area.
- Building up some of our under-resourced subjects, particularly Medicine, Physical Natural Sciences and Computer Science. Not always easy, but always a huge pleasure to welcome new blood to the Fellowship, and see our students prosper under their support.
- The steady transformation of Undergraduate Admissions, where we are at the forefront of Cambridge Colleges in terms of widening participation to under-represented groups. Again, much of this has been facilitated by the Development Office under the incredible leadership of Lorraine Headen,

plus the support and energy of our alumni. But aspirations have to be translated into initiatives and action, and there I must pay tribute to the Admissions Tutor, Zoe Adams, and the four staff who support her work.

– Graduate Tutoring: the impact of the pandemic on our postgraduate students highlighted the need to do more in support of them. This has now been addressed, with four Graduate Tutors and a Graduate Admissions Tutor replacing the previous system of two Graduate Tutors who covered both pastoral care and admissions/funding.

– The blossoming of two major initiatives: the E-Lab and the Summer Research Programme. These were reported on in the 2021 Annual Report, but at that point were in their infancy. One year on, and it is clear that they both bring a great number of benefits to the students who take part. A particular highlight was the inaugural showcase event for the Summer Research Programme, in which students presented their research to an audience of students, staff and Fellows. Many of them also had the opportunity to meet Lord Sainsbury, whose Trust funded the scheme, at a drinks reception hosted by the Provost. It is exactly this sort of ‘added extra’ that makes King’s an outstanding place to study.

– Relations with our students. There was a sticky patch, when the pandemic first caused the shut-down of the University, and one or two other tense moments such as the library sit-in. But other than that, staff, students and Fellows have enjoyed good relations. I have greatly valued my weekly meetings with the KCSU leadership in particular, and my interactions with KCGS presidents. They have always been constructive, and vital for helping to air potential problems before they turn into anything major. We don’t always get things right, but luckily our students are very happy to tell us when we get things wrong. Long may that continue!

– The future: King’s is set to push on under the leadership of Dr Myfanwy Hill, who takes over as Senior Tutor. Myfanwy has put together an outstanding team of committed Tutors and Directors of Studies, as well as being backed by the excellent Tutorial Office staff.

The Bad

Not too much to report here:

– At the University level, the main ongoing issue is the University Teaching Officer (UTO) scheme. Designed to even up the teaching capability across the Cambridge Colleges, it has been a permanent thorn in our side, making it much harder to bring in new Fellows. This would be tolerable if it worked as originally envisaged, but so far there has been very little discernible advantage to the Colleges it was designed to help.

– Closer to home, the rise of mental health problems amongst students continues, no doubt accelerated by the pandemic. Some of this can be attributed to reduced stigmatisation together with improved diagnostics. But the pressures on today’s students, together with the perfectionism that Cambridge engenders, must also be a factor. Whilst King’s and Cambridge are well-resourced to support students in difficulty, tackling the root causes is a formidable problem, but one which will need to be addressed.

The Ugly

Just one word: pandemic! This has been written about extensively in previous Annual Reports, so I won’t dwell on it too much here. Suffice to say, for those students caught up in it from end of Lent 2020 to end of Easter 2021, the effect on their university experience was pretty severe. But even for those who didn’t suffer the full impact whilst at University, the legacy was obvious, and will take several years to work its way out of our collective consciousness. One positive was that it showed King’s as a place that can pull together and be resilient in the most trying of circumstances.

Finally, some thanks and good wishes

In my final year as Senior Tutor, I would like to thank everyone who has worked so tirelessly to support our students:

– Tutorial Office and other staff: Bronach James has been a tower of strength since she took over from Janet Luff. Not only has she managed the other Tutorial Office staff very well, including helping to recruit several

new members of staff following retirements, she has had to deal with an unprecedented number of student enquires, appeals and intermissions. But really, all of the Tutorial Office staff have worked exceptionally hard to help get the College back to normal after one and a half horrendous years. We have also been greatly supported by Catering, Housekeeping, Porters and Maintenance. Their work is key to the overall student experience. The College Nurse, and the other Welfare staff have all done an incredible job of providing health and wellbeing support, with their services in greater need than ever.

– Directors of Studies, Tutors and Fellows who have taught our students. Tutors and Directors of Studies have been especially impacted over the last few years, and I am very grateful to all of you.

– The other College Officers, who have provided invaluable advice and support, particularly when things became very difficult during the height of the pandemic.

– In particular, Lorraine Headen's work has been game-changing in terms of our ability to support our students financially and in other ways. New initiatives such as the Bridging Programme and the Summer Research Programme have been possible through the efforts of Lorraine and her team, backed by our incredible alumni, many of whom give up substantial amounts of their time, energy and resources in support of our students. These have helped enormously for the College to remain arguably the most progressive one in Cambridge.

– On that note, I would also single out the Admissions Tutor for her commitment to widening participation initiatives, for masterminding Admissions through a really tough period, and for finding a way, with the help of the Dean and Director of Music, to balance support for our great tradition of choral music and scholarship with the widening participation agenda.

– Students: the student reps have worked constructively with me over the years, providing helpful feedback. They were particularly helpful last year,

so that we have been able to get back to normal at a pace that has suited the most cautious to the most gung-ho.

– Members of the wider University, including fellow Senior Tutors, Bursars, and occasionally Heads of House, who have always been willing to provide helpful advice when called upon.

Finally, we are extremely lucky to have Myfanwy Hill taking over from the start of next academic year. This can be a very tough job, but also one that is incredibly rewarding, and I am certain that the educational mission of the College will be in excellent hands with Myfanwy at the helm. I don't think she will need any luck, but I wish it to her anyway.

TIM FLACK

Senior Tutor

Undergraduate scholarships and prizes

It has been a relief to see undergraduate examinations returning to something approaching normal, with all undergraduates receiving a class mark this year. Thus we have been able to revert to our usual methodology, by which all students who achieved a First or a Distinction in their end of year exams receive a College Prize. In the tables below, those who have not achieved this previously are also elected to a scholarship, and are marked with an asterisk.

Please note that one scholar did not wish to appear in the Annual Report, so their name has not been published.

1st Year

* HE, XINJING
Economics Tripos, Part I

* ALLEN, TOBIAS
Engineering Tripos, Part IA

*ERWIG, DAN
Engineering Tripos, Part IA

*HAFIZI, ARIEF
Engineering Tripos, Part IA

*ROWE, TOM
English Tripos, Part IA

*GEISLER, OTTO
Geographical Tripos, Part IA

*BRANCH-TREVATHAN, BEN
History & Modern Languages Tripos,
Part IA

*GUO, JASON
HSPS Tripos, Part I

*CHUA, JERIEL
Linguistics Tripos, Part I

*GAI, JONATHAN
Mathematical Tripos, Part IA

*BANCE, REUBEN
Music Tripos, Part IA

*GEE, SAMUEL
Natural Sciences Biological, Part IA

*LIANG, WAYNE
Natural Sciences Biological, Part IA

*HAIDER, ALI
Philosophy Tripos, Part IA

*O'FLYNN, AOIFE
Psychological & Beh Sc Tripos, Part I

*TRABSZO, MILENA
Psych & Behavioural Sciences Tripos,
Part I

2nd Year

CHEMERISOVA, VALERIA
Architecture Tripos, Part IB

*RAITIO, LIV
Architecture Tripos, Part IB

RUSSELL, EUAN
Architecture Tripos, Part IB

*BRISLEY, JACK
Chemical Engineering Part I via

Engineering

*ROSSBACH, NATHAN
Computer Science Tripos, Part IB

KHULLAR, PRANIKA
Economics Tripos, Part IIA

PAI, SIDDHARTH
Economics Tripos, Part IIA

TRAN, KHOI
Economics Tripos, Part IIA

CHONG, ENEN
Engineering Tripos, Part IB

*CARROLL, EVA
English Tripos, Part IB

COWGILL, CHARLIE
English Tripos, Part IB

*SANTOS THOMAS, EMILIA
Geographical Tripos, Part IB

*SHI, CARRIE
Medicine & Veterinary Sciences,
Part IB

*SIDDAQUA, ANMONA
Historical Tripos, Part I

*STOCKLEY, EDWARD
Historical Tripos, Part I

JONES, GABRIEL
History and Modern Languages
Tripos, Part IB

*TUROFF, ZOE
History of Art Tripos, Part IIA

RATHORE, SUVIR
Mathematical Tripos, Part IB

HATTERSLEY, GRACE
Medicine & Veterinary Sciences,
Part IB

JAMES, JESSICA
Medicine & Veterinary, Part IB

RUHRBERG ESTEVEZ, SILAS
Medicine & Veterinary, Part IB

VON WILMOWSKI, THEO
Medicine & Veterinary, Part IB

WANG, JAMES
Medicine & Veterinary, Part IB

DE VITO, FABRIZIO
Modern & Medieval Languages,
Part IB

GLEESON, CHARLOTTE
Modern & Medieval Languages,
Part IB

KASPEROVITCH, ELIZABETH
Modern & Medieval Languages,
Part IB

FLEXEN, LOLA
Music Tripos, Part IB

GREALLY, PAUL
Music Tripos, Part IB

SLADE, BENJAMIN
Music Tripos, Part IB

JIANG, MARGARET
Natural Sciences Biological, Part IB

BARENDREGT, MARNIX
Natural Sciences Physical, Part IB

WILSON, JESSICA
Natural Sciences Physical, Part IB

SCOBY, ALEXANDER
Philosophy Tripos, Part IB

VIDMAN, ARON
Philosophy Tripos, Part IB

3rd Year

*ALBERMAN, SOLOMON
Classical Tripos, Part II

*COURTNEY, ANASTASIA
Computer Science Tripos, Part II

FARACE DI VILLA FORESTA,
ALESSANDRO
Computer Science Tripos, Part II

VADHWANA, DEV
Economics Tripos, Part IIB

KEELING, JAMES
Engineering Tripos, Part IIA

MADEN, LEO
Engineering Tripos, Part IIA

*HADSELL, ZOE
English Tripos, Part II

*MURRAY, GRACE
Geographical Tripos, Part II

*LLOYD-HUGHES, HENRY
Historical Tripos, Part II

*HEWIS, ROBERT
Historical Tripos, Part II

*OOSTHUIZEN, DANIEL
History & Philosophy of Science,
Part II

KELLY, ROSS
History & Politics Tripos, Part II

COPPACK, RYAN
HSPS Tripos, Part IIB

DOOLEY, NANCY
HSPS Tripos, Part IIB

DI FILIPPO, CHIARA
HSPS Tripos, Part IIB

*HAWKINS, EWAN
HSPS Tripos, Part IIB

HARWOOD, ROSIE
HSPS Tripos, Part IIB

*PANAHI, MAJID
Management Studies

*JIANG, XINYI
Manufacturing Engineering Tripos,
Part IIA

*ATLASON, ELVAR
Mathematical Tripos, Part II

*BILL, ALISTAIR
Mathematical Tripos, Part II

*HORNER, JUDE
Mathematical Tripos, Part II

*LINDAN, BRUNO
Mathematical Tripos, Part II

MORGAN, JAMES
Mathematical Tripos, Part II

*PHELAN, RUAIRI
Mathematical Tripos, Part II

FENTON-SMITH, ANNA
Music Tripos, Part II

CHEN, EMILIA
Natural Sciences Biological, Part II

CRAGG, ADAM
Natural Sciences Physical, Part II

LONCAR, MARCO
Natural Sciences Physical, Part II

*PETRE, VICTOR-GABRIEL
Natural Sciences Tripos Part II,
Psychology

GAFVELIN, AKE
Philosophy Tripos, Part II

*HIMPSON, JAMES
Philosophy Tripos, Part II

*LEONG, SIU
PBS Tripos, Part II

*ZHANG, RUOQI
PBS Tripos, Part II

DELVES, ELEANOR
Theology Tripos, Part IIB

4th Year

OWERS, SAMUEL
Asian & Middle Eastern Studies,
Part II

*OVERY, GISELLE
Classical Tripos, Part II

*KOMOROWSKA, URSZULA
Computer Science Tripos, Part III

*ZAHARIA, ANDREEA
Computer Science Tripos, Part III

LINKEVICIUS, MARTYNAS
Engineering Tripos, Part IIB

*SKRETTEBERG, MARTIN
Engineering Tripos, Part IIB

HOLMES, DANIEL
Mathematical Tripos, Part III

KIM, RYAN
Mathematical Tripos, Part III

ALDERSEY-WILLIAMS, SAM
Modern & Medieval Languages
Tripos, Part II

COLLIER, ELLA
Modern & Medieval Languages
Tripos, Part II

ESTMENT, KYLE
Modern & Medieval Languages
Tripos, Part II

FOSTER, SHAUN
Modern & Medieval Languages
Tripos, Part II

*MAZAS, JOSH
Modern & Medieval Languages
Tripos, Part II

ELMS, MAUDE
Modern & Medieval Languages
Tripos, Part II

LIM, YUHUA
Natural Sciences Tripos Part III:
Biochemistry

*MIHALCEA, STEFAN-ANDREI
Natural Sciences Tripos Part III:
Physics

College Prizes relating to Tripos results

Classics (Walter Headlam Prize for best dissertation by a Finalist):
Giselle Overy

Mathematics (Gordon Dixon Prize for best performance in Part II):
Shared by Bruno Lindan and Ruairi Phelan

Other Prizes and Scholarships

Derek Cornwell Scholarship (instrumental performance)

Emily Abbott
Elizabeth Bratton
Ishan Dwivedi
Lola Flexen
Sam Rudd-Jones
Tommaso Scimemi
Olivia Tang
James Wang
Chris Winkless-Clark
Tianrun Xu

James Essay Prize

Nicholas Cheng
Charlie Cowgill

Jasper Ridley Prize

Anna Fenton Smith
Matthew Brew
Elizabeth Anderson
Izzy Christian

Edward Gollin Prize

Lola Flexen

John Rose Prize

Daniel Arroyo Troyano

Bertram Faulkner Prize

Ben Slade

Harmer Prize

Tom Pickard

Susie Gautier-Smith Prize

This award was not made this year

Tilley Prize

Gabriel Jones

Rylands Art Prize

Josh Mazas

Kelly Wang

Guido Felici

Eleanor Gaylard

Anna Germon

Jill Rickers Fund

Zoe Turoff

Graduate awards

In the academic year 2021–22, the 44 graduate students listed below successfully completed the degree of Doctor of Philosophy. In addition to that, 62 graduate students completed a variety of one-year graduate courses, of which the majority 51 were MPhils.

Arkor, Nathanael (Computer Science)

Monadic and higher-order structure

Bacon, Conor (Earth Sciences)

Seismic anisotropy and microseismicity: from crustal formation to subduction termination

Barr, Anna (Medicine)

Developing frameworks to measure physical activity in free-living populations in sub-Saharan Africa

Hashim Quraishi

Lalia Saidy Khan

Valeriia Chemerisova

Bedford Fund

Cicely Marshall

Sophia Clarke

H. E. Durham Fund

Silas Ruhrberg Estevez

The Provost's Prizes

Tom Matthew

Sky Wallis

Mizanur Rahman

Brenna Salkin

Bevilacqua, Catherine (Law)

Towards a theory of human rights in practice: the role of plastic human rights and international human rights obligations in the UN's approach to cholera in Haiti

Brassington, Laura (History and Philosophy of Science)

Constructing science and status in Charles Darwin's cross-class correspondence network

Bruder, Anton (French)

Medievalism in the French renaissance: literature, history, and nation in Claude Fauchet's *Veilles ou Observations* (1555)

Case, Zachary (Classics)

Hyper-Democracy: the politics of Aristophanes

Chan, Sue Li Adelyne (Medical Science)

Predictive reporter system for investigating dose dependency in oncogene-induced senescence

Cook, Georgia (Pathology)

Ribosome profiling of porcine reproductive and respiratory syndrome virus reveals novel features of viral gene expression

Davidson, Joe (Sociology)

Jumpstart: the literary utopia in the aftermath of the future

Dou, Qingyun (Engineering)

Improving attention-based sequence-to-sequence models

Dziugaite, Karolina (Engineering)

Revisiting generalization for deep learning: PAC-Bayes, flat minima, and generative models

Everett, Edward (History)

Sanctuary in sixteenth-century England

Haco, Sasha (Applied Mathematics & Theoretical Physics)

Large gauge transformations and black hole entropy

Haddadin, Ward (Applied Mathematics & Theoretical Physics)

Invariant polynomials and machine learning

Haughton-Shaw, Eliza (English)

The Wound and the show: representations of eccentricity in Sterne, Wordsworth, Lamb, and Dickens

Heider, Katrin (Medical Science)

Detection of trace levels of circulating tumour DNA in early stage non-small cell lung cancer

Hoehn, Dominik (Social Anthropology)

Architecture is co: an ethnography of architectural presentations and representations in Copenhagen

Howard, Mary Michael (Politics & International Studies)

Fragile normativity and the politics of the social sciences, c. 1940–1975

Jego, Antoine (Pure Mathematics)

Thick points of random walk and multiplicative chaos

Johann, Charlotte (History)

Friedrich Carl von Savigny and the politics of legal pluralism in Germany, ca. 1810–1847

Kay, David (Archaeology)

Unsettled settlements: continuity and change in the Marakwet habitation of the northern Elgeyo Escarpment, northwest Kenya, from c.1850 to the present-day

Kelly, Elaine (Materials Science)

Self-assembly of azobenzene photosurfactants and the relationship with macroscopic properties

Kullar, Monica (Medical Science)

Emotion, mood, and mind wandering: laboratory and naturalistic studies with respect to mental health

Lang, Marta (Geography)

Enforcement practice, development assistance and servicing clients: progressing compliance with wastewater discharge regulations in industrialised north Vietnam

Maunders, Eve (Biochemistry)

The impact of a single nucleotide polymorphism in *fusA1* on biofilm formation and virulence in *Pseudomonas aeruginosa*

McLaren, Susannah (Genetics)

Notochord morphogenesis as a mechanical driver of embryo axis elongation

Meadows, Allison (Biochemistry)

Nutrient sensing in immune function: a systems biology approach

Palumbo, Dario (Economics)

Time series models for finance and the environment

Rebmann, Marius (Plant Sciences)

Meristem regulation in the early divergent land plant *Marchantia polymorpha*

Roth, Emmanuelle (Social Anthropology)

The truth about Ebola: insecure epistemologies in post outbreak Forest Guinea

Scheidt, Luise (History of Art)

The representation of battles and war in Late Quattrocento and Cinquecento Venice

Scott, Robert (English)

The spirit and the letter of Hegel: irony, recollection, critique

Shamin, Maria (Pathology)

Protein-sphingolipid interactions and their role in immunity and disease

Shiels, Reuben (History and Philosophy of Science)

Natural selection reconsidered

To, Yu Yang Tony (Economics)

Essays on social networks

Toh, Kane (Genetics)

Assessing the transition state model for cellular differentiation in vivo: a case study of zebrafish neuromesodermal progenitors

Van Hensbergen, Hester (Politics & International Studies)

Finite Earth visionaries: economics, time and environmental crisis in the United States, c.1945–1980

Vargas Ortiz, Tatiana (Spanish and Portuguese)

(Hi)stories in displacement: the poetics and politics of *errancia* in post-1960s Latin American literature

Vero, Anita (Computer Science)

Transparent analysis of multi-modal embeddings

Webster, Roseanna (History)

Urban change, sexual politics and women's activism in Spain, 1958 to 1982

Weston, Jack (Physics)

Neutrino interaction vertex reconstruction and particle identification in the MicroBooNE detector

Zhang, Liangliang (Social Anthropology)

'Action through non-action': self-transformation and social transformation at the PRC grassroots

Zhao, Tianheng (Chemistry)

The confined self-assembly of photonic pigments: from synthetic polymer brushes to sustainable cellulosic colloids





Undergraduates

Easing out of the Covid-19 pandemic, it has been a joy to see student life at King's begin to flourish once more, starting with the return of Freshers' Week, run by the Freshers' Committee. Successive Ents Officers have been instrumental in the organisation of themed formals, as well as events such as the June Funday. We have seen the celebration of various groups in the College with the organisation of the BME, LGBTQ+, and International Women's Day formals. It was a joy to see Welfare Day return this year, alongside a Sports Day with New College Oxford that saw near-universal King's success, whilst Green Week and the Charity Musical were successful new additions to the King's calendar. Society-wise, for instance, the John's-King's Women's Football Club had a terrific season, reaching the semi-final of Cuppers; King's Politics has over the past year created three term-cards worth of free events, featuring numerous prominent speakers, from Jeremy Corbyn to Lord Neuberger and Lady Hale; and exciting new groups were formed such as the King's Gambit chess society. Outside of the KCSU and its societies, the King's Bunker oversaw the return of the termly Mingle and the King's Affair Committee put on a triumphant KA 2022 with the theme of 'Metamorphosis'.

Coming out of the pandemic, this year was not without challenges. The £11,000 loan from the KCSU to the King's Affair committee, agreed upon in 2020, was negotiated and put in place. Night safety, especially due to drink spiking, was a concern across colleges and JCRs, and the KCSU worked hard to mitigate this. Our Education Officers put a great deal of time into discussions such as with the Library Committee, shaping how facilities would return to relative normality post-Covid. KCSU Officers have been engaged in both the Legacies of Slavery and 50 Years of Women at King's committees, as well as in the selection of the new First Bursar.

I am extremely thankful for the many Officers of the KCSU Exec, past and present, with whom it has been a privilege to work alongside, and who have

given up a great deal of their time and effort to support the undergraduate body at King's. Particular thanks must go to Maddie Kelly, whose work as KCSU Vice President has led to many contributions to College life that too often go unrecognised. Likewise, I am incredibly grateful for all the time and support we have received from the College Officers and members of Council over the past year. We have been fortunate especially to meet regularly with both the Provost and Tim Flack as Senior Tutor, and are incredibly grateful for their support. Congratulations to Myfanwy Hill, whom we look forward to working with next year. A last thank you must go to Brenna Salkin, whose time at King's defined an era of student involvement at the College, and whose guidance we are ever grateful for.

TOM PUGH

KCSU President

Graduates

This outgoing academic year has represented a turning point for the King's College Graduate Society (KCGS) and the College. We all left behind the stressful and restrictive times of the Covid-19 pandemic and resulting lockdowns, regaining the joy of gathering in person. We all went back to populate rooms and corridors, the Coffee Shop and Bar, the Hall and the courts of our 'second home'. Indeed, we all got to fully experience again the magic and beauty of Cambridge.

Michaelmas 2021 was the beginning of an exciting adventure, with new graduate students moving in and starting their Cambridge experience at King's. As usual, we coordinated with our undergraduate counterparts, the Tutorial Office, Catering department and Bursary, to offer Freshers the most welcoming and entertaining first days within the notorious Freshers' Week. All the events – College and city tours, garden party, punting and picnic, pub quiz, LGBTQ+ events, welfare tea, lantern-lit walk to Grantchester, health and safety talks as well as climate change workshops – were well attended, and the new grads had the opportunity to meet senior buddies. This made it possible to forge a sense of community and form new friendships which were consolidated over the term thanks to KCGS' constant support and opportunities to socialise.

During Lent 2022, KCGS and its newly appointed Executive Committee continued to organise events and gatherings. However, yet again we had to face another critical moment. The Russian invasion of Ukraine in February impacted our community, leaving us baffled by the unfolding of events, and our priority was to ensure that all those students affected by the war were adequately supported. For this reason, we urged College to provide further assistance, which resulted in both financial, pastoral, and academic measures being put in place.

On a more positive note, KCGS has pushed through climate change and sustainability issues within College. Specifically, our Environmental Officer proposed a paper, supported by the newly-formed Sustainability Committee and later approved by Council and the Governing Body, to incentivise environmentally friendly research travel and reduce our carbon footprint. This is a minor but important step towards a more ecologically aware action plan in College. Finally, Lent term was not exempt from social events. Among the many ones put forward by our Social Secretaries, it is certainly worth mentioning the swap with our sister college in Oxford, New College.

Easter 2022 took place along the lines of the previous ones, with social gatherings planned to entertain students and, above all, to allow them to take breaks from exams or writing sessions.

Summer 2022, the time this report was written, has been a quieter period for our community. Our commitments have revolved mainly around the Graduate Suite, our common area within College. First, we agreed to welcome undergraduate students taking part in the Summer Research programmes into the Graduate Suite, acknowledging the importance for them of having a space to gather and socialise while College is busy with tourists and conferencing events. KCGS were very happy to work with the Assistant Tutor in coming to a temporary arrangement by which undergraduates here over the summer could make use of the Graduate Suite. However, KCGS do believe that they need their own common room, and look forward to working with KCSU, and the College, to help that come about.

Furthermore, we opened our Graduate Suite, housed in what used to be E.M. Forster's accommodation, to the crew behind the podcast *On the Road with Penguin Classics*, who recorded an episode on Forster's life at King's. It was a real honour to listen to experts talking about Forster and learn fun facts about his life.

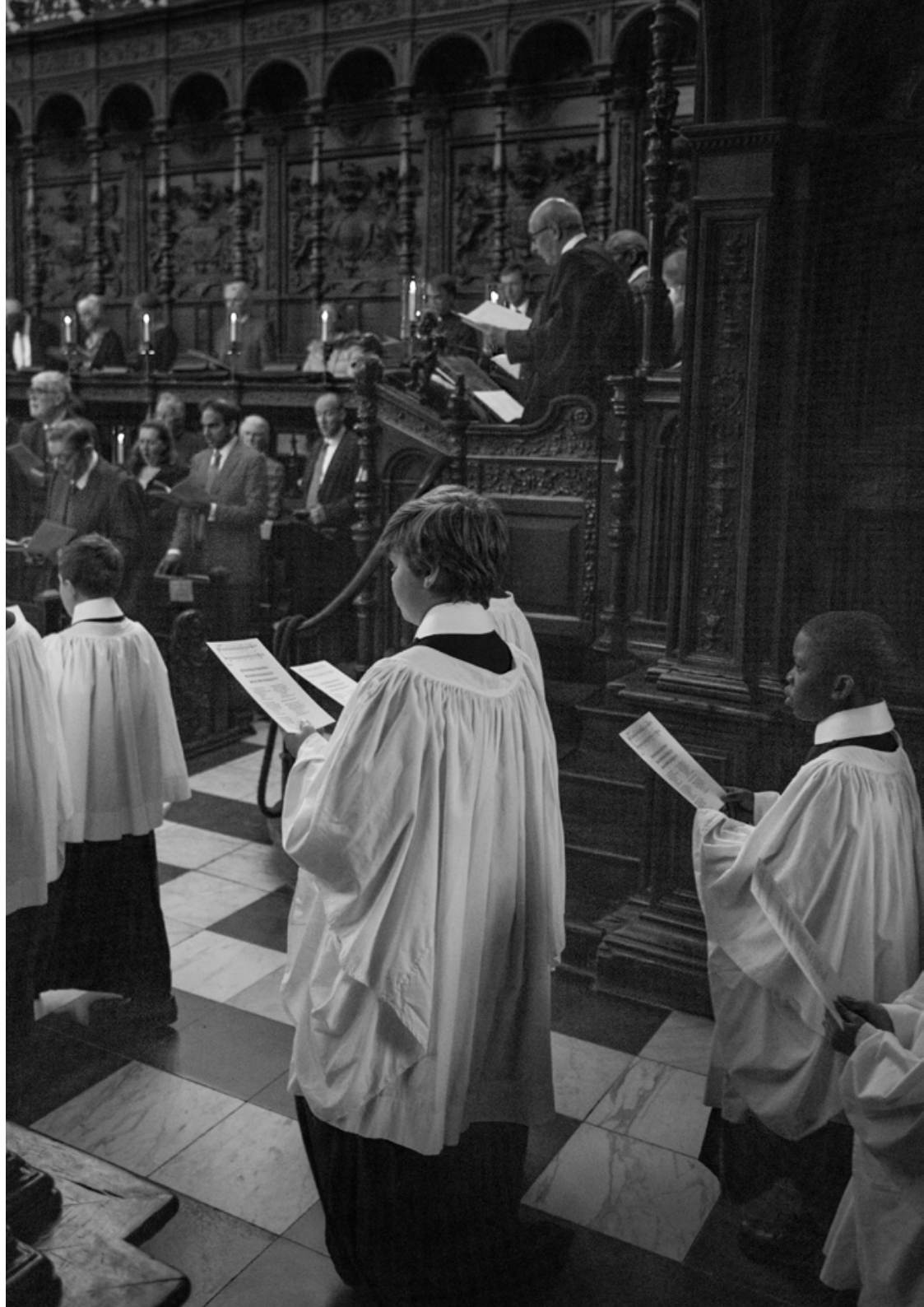
In summary, through a few hard times and much more positive ones, KCGS has successfully offered academic, social, and personal support to

its members. We are particularly proud to have been able to strengthen our sense of community and to have made students feel at home while they were at King's.

On a personal note, I would like to take this opportunity to thank all those people who have made a difference and from whom KCGS has benefitted of this year. First, special thanks go out to all the graduate students who have trusted KCGS as their family. Whether it be at a graduate drinks reception, welfare tea, picnic, or writing session in the Grad Suite, the level of support and friendship you all provide is amazing. Furthermore, I am very grateful to my peers in the Executive Committee for their constant collaboration and dedication to the grad community. Thank you for undertaking such a journey with me and for being patient with my many, many emails; it has been a real honour to work with you all. In addition, a deep thank you goes to the Provost, Domus Bursar, and Tutorial Office, particularly to Ània, Laura, Francesco and Tim, who have guided us throughout the year with their constant help and communication. We appreciate greatly your hard work in making our experience at King's better. Finally, a very much deserved gratitude to all the staff members across the departments who made our stay at King's comfortable and safe.

Both the Committee and I are very much looking forward to the next academic year.

SERGIO RUSSO
KCGS President



Chapel and Choirs

This is the year that will go down in history as the one in which things returned to normal in the Chapel after Covid. It was a slow and incremental process, and for much of the year we managed numbers by requiring people to book in advance to attend services. While the downside of this was that some people who wished to attend were not able to, the upside was that those who did attend were richly appreciative of the opportunity and invariably stayed to the end of services. While being a member of a great and large congregation can be part of the experience of Chapel services at King's, services with fewer people were more spacious and easier to manage. Nonetheless there was a degree of frustration in working within these limitations, and by the time Easter Term began we were able to remove the requirement to pre-book, and were delighted to welcome any who wished to attend a service with us.

During the many months of Covid restrictions we reduced the number of visiting preachers but were able to enjoy more during this last year. In Michaelmas Term we only heard from one, The Revd Alastair Mansfield RN, who spoke on Remembrance Sunday. In Lent Term we enjoyed hearing from The Revd Sarah Atkins, Chaplain of Magdalene College, and also had a sermon from Mrs Yvette Day, Master over the Choristers. On Maundy Thursday our preacher was the Right Reverend Professor Tom Wright, the popular author and former Bishop of Durham. *The Sermon Before the University* was given by Dr Fiona Godlee, a Bye-Fellow at King's and until recently the Editor-in-Chief of the British Medical Journal, which later published her text. We were also delighted to welcome back The Revd Stephen Coles, Chaplain from 1984 to 1989, who was inspired to refer closely in his sermon to the great windows of the Chapel. Dr Keith Carne, longstanding Fellow and retiring First Bursar, preached on Trinity Sunday. Keith has been a stalwart participant in the life of the Chapel. His hands-on contributions – which have ranged from lesson reading to serving and stewarding – have been much appreciated and we look forward to them continuing.

Since January, the sermons given at Matins have all been attempts to answer the question that Pontius Pilate put to Jesus at his trial: 'What is Truth?'. The idea is to ask academics from different disciplines and perspectives to take to the pulpit and help us appreciate what the question means to them and what their answer begins to look like – constraints of context and time being understood. In Lent Term, we heard from two Fellows, Professor Alan Macfarlane and Dr James Dolan, and in Easter Term from Dr Daniel Weiss, Polonsky-Coexist Senior Lecturer in Jewish Studies at the Faculty of Divinity.

We held two memorial occasions during the year. On Sunday 6 February family, friends, colleagues, and former students of Dr Erica Swales attended Evensong. We remembered Erica with admiration and warmth. That she was deeply admired and much loved was evident from the address given by Professor Godela Weiss-Sussex. And on Saturday 17 March we were at last able to host an appropriate Memorial Service for Sir Stephen Cleobury CBE. The Chapel was full of former Choir members, distinguished musicians, Fellows and family members. In addition to three pieces sung by the Choir, the BBC Singers gathered at the east end and, with the Cambridge University Chamber Orchestra, offered two anthems. CUCO also played before the service as the congregation gathered, conducted by Stephen's brother, Nicholas. Professor Iain Fenlon gave the address, and the Chapel was the most full it had been for several years. Wonderful as the choral contributions were, many people remarked that it was the volume and sheer strength of the congregational singing, made up of the two choirs, hundreds of former Choral Scholars and a host of other great singers, that made the deepest emotional and most memorable impact.

Alongside these significant special events, we were pleased to welcome the BBC crews back to the Chapel for a more normal run of *Carols from King's*, *Easter from King's* and the Radio 4 broadcast of *A Festival of Nine Lessons and Carols*. Much was written last year concerning the upheavals and achievements of these annual events during Covid, and it was a relief to see a return to our usual ways of working on these iconic annual showcases.

Another aspect of Chapel life which we were proud to bring back post-Covid was the season of *Concerts at King's*. Opening in November with a Vivaldi and Bach programme accompanied by the Academy of Ancient Music, the Choir was able to work towards a return to the *Easter Festival* with a performance of C P E Bach's *St John Passion*. Also during Holy Week, we once again welcomed the BBC Concert Orchestra and the Philharmonia Chorus for a live performance of Mozart's *Mass in C Minor*. On Holy Saturday, King's alumnus Parker Ramsey joined forces with the men of the Choir for a première performance of Nico Muhly's *The Street*. This new and exciting work for harp, narrator and singers has since been released on the College's own label. Challenging though all these performances were – some still requiring audiences and performers to be distanced – here was a palpable sigh of relief that such an important part of our extra-liturgical Chapel life was finally coming back to normal.

In September we marked the death of Queen Elizabeth II and the accession to the throne of King Charles III with a special public service of Choral Evensong.

On the staffing front, two key members of the Chapel team – the Chaplain and Chapel Manager – had very positive first years, and for a short while the team was strengthened by the appointment of former Choral Scholar Joe Zubier as Senior Chapel Clerk. Joe left at the end of the year to focus on his career in broadcasting but continues to work with us as Choir Librarian and on Chapel publications. We also said farewell to Margaret Hebden who left her post as Administrative Assistant in the Choir Office in August, only to say 'hello and welcome' to her as a Chapel Clerk in October when she joined a team that now includes a number of Student Chapel Clerks.

This was also the year in which we lost both our Bens – Sheen and Parry.

Ben Parry, Assistant Director of Music, left us at the end of 2021 to focus more fully on his other musical roles. Ben had a remarkable impact on King's Voices since he started in 2013, broadening the repertoire and expectation and encouraging a high quality of musical achievement. It was

wonderful that his final opportunity to conduct King's Voices was for the now annual Christmas Concert to raise money for local charities to support the homeless. We have appointed Ralph Woodward on a temporary basis to keep up the good work. He has continued where Ben left off, in particular championing the work of female composers, introducing new repertoire by Lucy Walker, Judith Bingham, Kerry Andrew and Amy Beach alongside anthems by contemporary male composers Will Todd and Howard Goodall. King's Voices was also honoured to be able to take part in the memorial event for John Barber, held in the College Hall.

When Ben Sheen first started with us one of his main roles was to develop our in-house recording capacity and our webcasting capabilities. He also had a role in the Development Office and was a Lay Clerk in the Choir. Over the years his role changed in various ways, most notably in 2016 when he was given a new role that incorporated all the Chapel communication and media work and the management of our recording label. It proved to be a remarkable success in every regard. Not only were four albums produced every year, but the challenges that digital advances have made to the recording of music together with its dissemination and marketing were navigated with aplomb. Five-star reviews were regular and the graphs of all the relevant metrics were soon trending in the right direction.

Ben did much more than 'manage' the label, putting his musical knowledge and appetite for technical learning and work at our service, and gradually increased his ability to do more and more sound engineering and editing. This proved to be of extraordinary benefit in 2020 when we decided that it would be imprudent to hold *A Festival of Nine Lessons and Carols* in its usual live format. Ben not only pre-recorded every detail of the service (including background sounds such as changes of organ registration) but edited it into a stunning and utterly credible broadcast. Few of the many millions of listeners would have appreciated that the BBC's contribution that year was simply to transmit what had been recorded in Chapel and edited in the basement of the Gibbs Building. Ben moved in June 2022 to a post with the Academy of Ancient Music, joining the team headed by King's alumnus and our former Concerts Manager John McMunn.

In terms of the Chapel's outreach and support of our students throughout the year, our Chaplain Mary Kells has written as follows:

I have enjoyed encouraging more students to get involved in reading and serving, with an aim of increasing diversity, and I have discussed ways of doing this with the student BME representative.

I have also enjoyed working with the LGBTQ student representatives to put up exhibitions in Chapel, including one for Ash Wednesday, which also saw prayer stations addressing BME and Gender discrimination as well as challenging us on Climate Change and what we can each do to make a difference.

'Thursday Lates' have continued with a rolling programme of HeartSpace (an opportunity for students to come and be quiet in a candlelit Chapel), Compline, and Creative Vespers.

Creative Vespers is a new initiative, taking the place of Critical Mass. It began in Lent Term and offered students an opportunity to have some quiet, meditation time, and learn about Julian of Norwich, a medieval mystic, whose *Revelations of Divine Love* is the earliest known writing in English by a woman. They then had an opportunity to creatively engage with what they had just heard, as I provided a range of drawing materials and clay. The quiet, meditative atmosphere and the opportunity to create something that can be taken away have been highly valued and I have been delighted by the enthusiasm with which it has been received.

I have also welcomed a number of groups into Chapel over the year. In Michaelmas, we had a presentation on Pauline Oliveros' 'Sonic Meditations', which had us walking slowly around the ante-Chapel each making sounds and hearing them resonate in the Chapel space. We also had a very powerful presentation of short plays by Samuel Beckett. In Lent Term, we hosted a yoga class to raise funds and awareness for Breast Cancer as part of Pink Week. We also held a special BME HeartSpace which included a presentation of matriculation photos, showing how much

diversity has increased in King's over the years, as well as showcasing Black music. In addition we held an art event in which students were able to respond to our wonderful Chapel space through drawing, with support and suggestions provided by the Art Rooms Coordinator Nigel Meager. We also offered hospitality during our annual King's Affair, welcoming people as they arrived and providing a quiet space to relax.

I should like to express my thanks for the efforts of the Chaplaincy Assistants in all this work and to Owen Elsley for organizing Choral Scholars to sing at Compline.

STEPHEN CHERRY

Dean of Chapel

DANIEL HYDE

Director of Music





Research

This year the College research activities have been less affected by the pandemic as academia has opened up, though many activities are still virtual. Our highly successful schemes allowing undergraduates to work on research projects with Fellows went ahead over the summer with 24 in the Sciences, five in the Arts and Humanities and six in Social Sciences. In addition, three undergraduates worked on the Legacies of Slavery project, begun in 2019 and overseen by Gareth Austin. This year, Research Fellow Malar Jayanth took the lead with the students and with help from the other History Research Fellows and the College Archivist, Patricia McGuire. The students have made considerable progress in their individual research using the College archives and other material and have either completed or are about to complete their reports. They will showcase their findings in a standalone series of talks.

Among Fellows, the conference activity – so much a part of academic life – is slowly opening up post-pandemic, but with some preferring virtual contact. Similarly there have been fewer requests for the organisation of small workshops and conferences.

This year our Science stipendiary Research Fellowship was in Biological Sciences, and in particular evolutionary biology. There were 31 applications (18M, 13 F) of which ten were longlisted (5M, 5F) and four shortlisted (1M, 3F). We elected Gabriela Montejo-Kovacevic who works on the adaptation to altitude in *Heliconius* butterflies.

In addition to the stipendiary Fellows we elected a non-stipendiary Research Fellow in the Physical Sciences and Technology. There were 26 applications (23M, 3F), we longlisted ten (9M, 1F), interviewed five (4M, 1F) and elected Zhuangnan Li, a material scientist who works on new batteries, in particular the exciting possibility of lithium sulphur batteries.

In the Arts, Humanities and Social Sciences we elected Francesco Bianchini to a Research Fellowship in the History and Culture of the Countries of the Silk Roads. His research investigates the highly interconnected economic, cultural and religious landscapes of the 'Southern Silk Routes' which played a key role in the development of large-scale institutionalised of healthcare in the period prior 1500 CE. Seda Basihos was elected to a Research Fellowship in the Economics of Inequality. Her work considers the social and political consequences of inequality and how certain groups and agencies in society are empowered as a consequence.

In addition to the Research Fellows, we appointed a number of College Research Associates. In the Sciences there were 34 applications (25M, 9F), we interviewed seven (5M, 2F) and appointed four: Shannon Bonke, a chemist; Ibrahim Dar, a physicist; Tom Dendooven, a structural and molecular biologist; and Dong-Gang Wang, a cosmologist. In the Arts and Humanities there were 21 applications (9M, 12F) and we interviewed six (2M, 4F) and appointed two CRAs. Anahita Arian who will be working on a project on global encounters, diplomacy, and international order in the Indian Ocean Persianate world which has valuable connections to our Silk Roads programme. Alessandra Basso will be working on conceptual and methodological issues in social measurement with Anna Alexandrova in the History and Philosophy of Science Department.

One-year CRA positions have also been offered to two scholars under the University scheme for supporting those whose lives have been afflicted by the Ukraine-Russia war. Anna Iampolska is an organic chemist working on anti-cancer light-controllable antibody-peptide conjugates. Konstantin Shevchenko is a bio-physicist who was with us until the end of July and has now left to take up a post-doctoral position at Boston University.

The Research Managers ran a series of seminars over the year with the new Research Fellows talking about their work, and the new CRAs giving an introduction to their fields of interest. The Research Fellows who were leaving this academic year all gave presentations on the work done during their Fellowship, and all ongoing Research Fellows gave talks on

their current work. Other talks were given by Fellows reflecting on their research over the years. This proved hugely successful and will continue next academic year.

Each year the Research Committee awards grants for Fellows' research. These grants have been spent in various ways: from buying books and computer equipment to enabling a Fellow to attend a conference or workshop. Some highlights over the past year include those of the outgoing Senior Tutor, Tim Flack, who did amazing work on the Enigma machine. With funding from the Fernandez Engineering Fund, and the effort of two very talented fourth-year Engineering students, projects to recreate the first electromechanical devices used to regularly break Enigma-encoded messages in the lead-up to the Second World War went ahead. Both devices were conceived and built by members of the Polish Cypher Bureau, but were destroyed in the build-up to the German invasion of Poland. The design of both devices, together with additional Polish know-how, was shared with the British codebreakers, and ultimately helped Alan Turing and Gordon Welchman to design the Bombe, which was responsible for breaking Enigma messages throughout the war.

The first device, known as the Cyclometer, was recreated from rough sketches and papers written by Marian Rejewski of the Polish Cypher Bureau, using as many authentic materials as possible. The second device, known as the Bomba, was built using modern engineering methods and materials, but used exactly the same principles of operation as the original. Through these recreations, much has been learned of the challenges faced by the Polish Cypher Bureau, and how overcoming these challenges gave an important head-start to the vital work that later took place at Bletchley Park. Pictures of Tim's amazing work with the students can be seen [here](#).

Elsewhere among the Fellows, Alice Hutchings organised a one-day writing retreat for her research team of postdocs and PhD students in Computer Science. Jason Sharman, Fellow in Politics, used King's funding in a collaborative project with Michael Findley and Daniel Nielson from the University of Texas at Austin. They are continuing a long-running study testing the effectiveness of international transparency rules applied to



shell companies and corporate bank accounts, with the aim of preventing money laundering, tax evasion, cross-border corruption and sanctions-busting. As part of the project, Jason and his collaborators set up shell companies to make solicitations for corporate bank accounts from every internationally-connected bank in the world. Through these solicitations, they tested whether banks actually identify and screen customers in the way the laws state they should. [Surprise surprise, they often don't.]

Our Research Fellows have also been very busy: Katie Campbell, Research Fellow in the Silk Roads, was able to meet with her collaborators Ali Seraliev and Serik Akylbek from the Otrar State Archaeological Museum in Kazakhstan at the international conference at Tbilisi State University. This enabled them to complete an important publication on urbanism under Turco-Mongolian rule. Katie also initiated an archaeological study of the College Back Lawn, made possible by the exceptionally dry summer. She was joined by fellow archaeologist Katie Haworth – also a Research Fellow at King's – and medieval historian Caroline Goodson. In addition to collating information about the historical archaeology underneath the College's lawns, they investigated further with geophysical, magnetic and drone surveys. They are now planning to collate and analyse the data to publish a short article.

Research Fellow in Science Communication James Dolan attended the conference EASST 2022, organised by the European Association for the Study of Science and Technology, speaking within the panel 'Making science in public: science communication and public engagement'. This was his opportunity to present the science communicating research undertaken since joining King's and he presented preliminary results of his project which looks at how improvised comedy has been used as a form of science communication.

Research Fellow in Plant Sciences Cicely Marshall has again been monitoring the wildlife meadow. This year she also had a bird detector running on the Back Lawn to capture audio and auto-identify the species around College. Cicely also travelled to Liberia to set up a collaborative research project with an oil palm company and the Zoology department, comparing biodiversity and ecosystem functioning across rainforest, oil palm smallholdings and industrial environments.

Research Fellow in Criminology Kate Herrity accepted invitations to speak at the annual British Criminology Society conference, the European Society of Criminology Conference and the Annual meeting of the Global Law Society. Attending these events enlarged her networks, allowed her to participate in broader conversations as well as publicise forthcoming

publications. Kate co-organised the hugely successful biennial 5th Annual Ethnographies of Crime, Harm and Control symposium, held at King's on 19-20 September with Dr Bethany Schmidt (Cambridge Institute of Criminology Prisons Research Centre) and Dr Jason Warr (University of Nottingham). This symposium places the support and development of research students and early career academics at its heart and is free at the point of use for this purpose. Kate has been invited to submit a proposal for a handbook on Sensory Criminology with Routledge as part of their international criminology handbook series which aims to set the agenda for the field.

Our Life Fellows also continue to produce outstanding research: John Henderson produced the final version of an essay on Tibullus for the Irish journal *Hermathena* and produced the second part of an article on a trio of pseudo-Ciceronian texts for a Groningen collective volume on *Rethinking Fakes and Authorship in Classical, Late Antique and Early Christian Works* (ed. K. Lennartz and J. Martínez).

Michael Sonenscher used research grants to order electronic versions of some manuscript correspondence housed in the Richard Wagner Museum in Bayreuth and reproductions of two late nineteenth-century French law theses that, for mysterious reasons, were not available online. These helped in his upcoming books *Capitalism: The Story behind the Word* and *After Kant: The Romans, the Germans, and the Moderns in the History of Political Thought*.

Martin Hyland has been collaborating with Marcelo Fiore (Computer Lab) and Nicola Gambino (Leeds) on a project at the intersection of logic and mathematical computing. This enabled him to meet with a postdoc in Leeds and a colleague in Paris to make striking discoveries in mathematical logic.

Paul Ryan is writing a book on collective action in work-based learning, focusing on the Apprentice Movement in Germany during 1969-73.

And John Dunn is working on understanding the historical development of political thinking across the world. He has started to write a book attempting to explain why a species clever enough to threaten the conditions of its own existence by its accumulated transformative prowess should also prove stupid enough thus far to be incapable of sustained cooperation to avert this outcome.

Our Research Fellows have been so successful in their research projects that they've been offered permanent positions elsewhere. Ryan Heuser has gone to a tenured position in Princeton to continue his impressive work on digital literature. Historian Tejas Parasher has taken up a tenure track position at UCLA. We will be saying our farewells to theoretical chemist Jerelle Joseph in January when she is taking up a tenure track position at Princeton, to engineer Alexandra Clarà Saracho who will take up a tenure track position at Austin, and to historian Freddy Foks who will take up a research position in Manchester. We are fortunate to have such talented junior academics, albeit for a shorter time than anticipated.

ANNE DAVIS AND DAVID GOOD

Research Managers



Library and Archives

Whilst a number of aspects of pre-pandemic life have been slowly returning during the last year, the librarians have continued to work hard to ensure that the Library continues to be a safe space for all those in our community who need to use it. This has meant ensuring we have proper ventilation in the building and making use of the air purifiers which were installed throughout the Library during Michaelmas term. We hope that these measures have enabled all members of College to have the confidence to make use of the library facilities, and the increasing numbers of users suggest this is the case. Opening hours for members have been extended to 7am-3am, seven days a week, and we have been able to stop using the system for booking study spaces that was important earlier in the pandemic.

One project that has been in the pipeline for a while which has got underway this year is an AHRC-funded project to digitise a selection of autograph manuscripts by Isaac Newton using photographic techniques to capture the watermarks in the paper, with a view to establishing a chronology of Newton's works. King's Library is one of several institutions that have agreed for some of its Newton autographs to be part of the project. It will be exciting to see what comes out of the project and we look forward to sharing that with you in due course. We are also delighted to have secured funding to digitise our copy of Shakespeare's First Folio (one of only four in Cambridge). The digitisation will take place during autumn 2022 in time for the so-called 'Folio 400' year in 2023 which marks the 400th year of the publication of the First Folio (folio400.com).

King's joined many Cambridge libraries showing support for Ukraine in the spring of 2022 by putting up a display of books about Ukraine and its history. In February we had had a similar display of books for LGBT history month.

Student-centred activities included the training of four external volunteers and the employment of seven King's students, five of them to conduct research

under the College's initiative to investigate our historic links to slavery.

The Archives happily returned to a busy in-person schedule this year, with five exhibitions, seven VIP visits for the Development Office, talks and exhibitions for groups of undergraduates on Study Abroad programmes, and for a group from Prescot where King's was once 'Lord of the Manor'. The College's celebrations of '50 Years of Women at King's' were illustrated by an Archives poster exhibition at the Women's Day Dinner, and by a live exhibition on the subject to those attending the Foundation Lunch. We look forward to contributing further to the celebrations next year.

We invite you all to tune in occasionally to our blog 'King's Treasures' (kcctreasures.com) which this year had illustrated posts added to it covering diverse topics such as illustration and mnemonics in incunabula (books printed before 1501), witchcraft, nineteenth-century Parisian fashion and the illustration of tigers in rare books, posted to mark the start of Chinese New Year. The popular Turing digital archive received a major overhaul, a joint operation involving the web developer and the Archivists. Alan Turing continues to be a popular subject of enquiry, in fact the Leiden Rijksmuseum has borrowed several items for their BrAInpower exhibition (on Artificial Intelligence) which will be open until early March 2023.

Longstanding Fellow Librarian Peter Jones retired from the post in September 2021. Existing staff picked up some of his workload (the Archivists now have increased responsibility for FOI, Data Protection and College copyrights) and Chris Prendergast was called out of retirement to be the Fellow in charge. But Peter can still be seen around the place, for example sharing his Bloomsbury expertise with filmmakers about Forster in India, and appearing in a podcast about *Jacob's Room*. Another podcast, about Forster's *Maurice*, was recorded in the Archives for *On the Road with Penguin Classics*, and you can also hear about Handel in Cambridge (and in the Rowe Music Library) on Radio 3's Early Music Show from April: www.bbc.co.uk/programmes/m0015tzs.

JAMES CLEMENTS, PATRICIA MCGUIRE AND CHRIS PRENDERGAST
Library and Archives

Bursary

Background

For both the College and the country the year was marked by the recovery from the pandemic and the hopes of a return to normality. The disruption caused by the pandemic declined with fewer people being infected, at least in the UK, and within the College this allowed us to return to in-person teaching and more normal social interactions. It also led to growing demand, as economies recovered, and increased pressure on supply chains. That, in turn, caused inflation. The war in Ukraine precipitated a very rapid rise in fuel costs and inflation rose very markedly and remains high. So, although the disruptions caused by Covid-19 have largely ceased, new fears have arisen about the cost of living.

The pandemic had been very disruptive for the College and especially for our students. All of our normal operations needed to be adapted or replaced and many students found the enforced isolation very challenging. This year it has been possible to return to more normal patterns of teaching and examining. Moreover, the social events that bind the College community together have been possible once more. That has certainly helped but the scars of the pandemic remain and affect some of our students. The recovery has also resulted in greater pressure on staff. We had been able to keep all of our permanent staff employed throughout the pandemic but, with the recovery, some staff have left for other positions and it has been harder to recruit replacements. This has been particularly difficult in Housekeeping and Catering. The rising cost of living has also added to the pressure on staff. We have tried to address this by giving mid-year wage increases to the least well-paid staff and ensuring that all are above the Real Living Wage but the fears remain, especially with the expected fuel cost increases.

Financial Results 2021-22

We did not believe that it would be possible, or prudent, to aim for a balanced budget for 2021-22 because of the exceptional circumstances and the value to us of maintaining our core operation. Instead, we set a budget that anticipated a gradual recovery of income and tried to keep expenditure as low as we reasonably could without causing lasting damage. The Governing Body therefore agreed a budget with a predicted deficit of £1.4 million. We were also very conscious that this budget was far less certain than it would be in normal times. The recovery has been mixed. The revenue from external catering recovered as quickly as we had hoped but the number of visitors and the income from them has not. Costs, especially for Tutorial supporting our students, were also higher than predicted. There was, however, one major and unexpected gain. After many years of not selling wine at auction, the Wine Steward sold some very valuable Burgundy that we had stored in the College cellars. That brought in £1.1 million. The result was that we had a net deficit in our management accounts of £0.4 million, which is much better than predicted.

Plans for 2022-23

Unfortunately, the slower recovery, especially in visitor income, has again meant that we will set a deficit budget, predicting a deficit of £1.2 million. This is in a context of a 5-year recovery plan that aims to break even in 2023-24 and then generate modest surpluses to repair past losses. The Governing Body acknowledged that this plan will not be easy to achieve because of the many external pressures but appreciates its importance and aims to meet it.

Within the College, departments have managed well and responsibly, often in difficult circumstances. What we have not been able to control is the external pressures. The Government has frozen student fees leading to a decline in their real value. It also increased National Insurance costs for both employers and employees, although that is due to be reversed. Inflation will materially increase our costs with food prices, in particular, rising worryingly.

There is a particular concern over future energy costs. We are part of a consortium with other Colleges to purchase gas, electricity and water. We had made advanced purchases of energy that will protect us from the current increases for most of 2022-23. We are, however, very concerned about what will happen after that. All of our newer buildings are very energy efficient but the historic fabric will need a great deal of work to improve its efficiency. We have made strides in this direction with improved boilers and the refurbishment of the Keynes Building. Next year we plan to improve Spalding Hostel similarly. In the longer term, we will need to replace gas boilers with ground source heat pumps and to generate as much electricity as we can. Planning for this is underway but will take some considerable time and money. Photovoltaic panels were put on the Hall roof when that was replaced and we are trying to add generating capacity whenever we renovate buildings.

Investments

Last year the major stock markets rose sharply and our investments rose correspondingly, ending 19.3% higher. During 2021-22 markets fell back and Sterling declined against the dollar and other currencies. As a result, our investments were almost unchanged with a 0.1% rise. We remain fully invested across all of the major, international markets.

Most of our retail tenants are recovering after the trials of the pandemic. That has led to a modest increase in the valuation of these properties. It is pleasing that the support the College gave ensured that all of our independent retailers survived and continue to trade.

Buildings

The work to replace Croft Gardens with new accommodation for both graduate students and families has now been completed, creating Stephen Taylor Court. This is a very attractive set of buildings that has attracted a lot of interest and appreciation. While there are still a few minor snags to resolve, the architect, contractor and the entire design team have worked well and co-operatively. The buildings are all *Passivhaus* so their energy consumption will be very slight. The entire project was supported by a very generous donation.

During 2022-23 we will be undertaking work on Spalding Hostel and the Chapel roof. Spalding is a mixture of buildings ranging from the Middle Ages to the nineteenth-century. We plan to improve the rooms and facilities, making the Hostel more coherent. We also plan to improve the energy efficiency. Unfortunately, we have not been able to eliminate the use of gas entirely but we expect the gas boilers to be required on only a few particularly cold days each year. The lead on the Chapel roof needs to be recast in order to protect the boards beneath. As part of this process, we would like to install photovoltaic panels, which would generate a significant part of the electricity we use.

On a personal note, I retire at the end of September and Ivan Collister will take over responsibility as First Bursar.

KEITH CARNE

First Bursar

Staff

Staff Leaving

The following members of staff left the College:

- Veronica Danbury, Domestic Assistant (19 years' service)
- Caroline White, Entrepreneurship Lab Administrator (15 years' service)
- Margaret Hebden, Administrative Assistant (15 years' service)
- Julie Harvey, Clerk of Accounts (14 years' service)
- Tony Simeon, Lodge Porter (10 years' service)
- Jonathan Readman, Deputy Head of Visitor Services (10 years' service)
- Benjamin Sheen, Label & Media Manager (9 years' service)
- Mara Piras, Domestic Supervisor (9 years' service)
- Ben Parry, Assistant Director of Music (8 years' service)
- Rose Gannon, Domestic Assistant (7 years' service)
- Claire Edwards, Commis Chef (6 years' service)
- Robert Manderson, Verger (5 years' service)
- Luigi Leone, Food Services Assistant (5 years' service)
- Andrew Lenton, Multiskilled Tradesperson (5 years' service)
- Umut Kizilkali, Lodge Porter (5 years' service)
- Victoria Zeitlyn, Tutorial Office Assistant (5 years' service)
- Bartłomiej Wieczorkiewicz, Chef de Partie (4 years' service)
- Robert Archer-Smith, Conference & Events Sales Executive (4 years' service)
- Francesco Silvestro, Janitor (4 years' service)
- Sandra Giddens, Domestic Assistant (4 years' service)
- Tomasz Garstecki, Chef de Partie (4 years' service)
- Karen Cox, Domestic Assistant (3 years' service)
- Natasa Hart, Domestic Assistant (3 years' service)

- Karolina Sosnowska, Domestic Assistant (3 years' service)
- Deana Shorten, Visitor Services Assistant (3 years' service)
- Alex Crook, Computer Manager (3 years' service)
- Sally Thorp, PA to the Vice-Provost (3 years' service)
- Jayne Kaye, Domestic Assistant (2 years' service)
- Harry Williams, Apprentice Carpenter (2 years' service)
- Valentina Borgia, Domestic Assistant (2 years' service)
- Aylin Gyuner, Domestic Assistant (2 years' service)
- Federica Sansone, Food Services Assistant (2 years' service)
- Ryan Morrison, Commis Chef (2 years' service)
- Brett Haythorpe, Apprentice Gardener (2 years' service)
- Andoni Amaro, Food & Beverage Assistant (1 year's service)
- Eunice Marques Dionizio Inacio, Food Services Supervisor (1 year's service)
- David Kay, Gardener (1 year's service)
- Antonia Gray, Financial Tutor's Assistant (10 months' service)
- Dante-Lee Davis, Commis Chef (8 months' service)
- Andrzej Kemski, Domestic Assistant (7 months' service)
- Veronika Sivakova, Domestic Assistant (7 months' service)
- Viktoriia Lysytchuk, Domestic Assistant (7 months' service)
- Osama Abdulla, Kitchen Porter (6 months' service)
- Charlotte Taylor, Covid Co-ordinator (6 months' service)

Staff arriving

We have welcomed the following members of staff:

- Constantin Apostol and Ángel Melero Martínez, Buttery Porters
- Jake Bassett, Edson Simonassi and Millie Smith, Commis Chefs
- Jessica Blant, Sales Assistant
- Glen Bradley, Multiskilled Tradesperson
- Mariko Brittain, Front-End Developer
- Adam Brunning, Domestic Porter

- Victoria Bunea, Karen Davies, Valerie Hart, Jamie Leigh-Huckle, Sergio Maldonado, Kerri Molloy, Graca Rebelo de Oliveira, Andreea Savin, Tracey Savory, Lucas Silva, Ruth Wadeson, Jaydah Wright and Tamika Wright, Domestic Assistants
- Greta Burrows, Patricia Knight, Ralf Masch and Yuet Ming Wong, Visitor Services Assistants
- Mariia Delikatna, Viorel Mitrica and Jasmin Saint, Food & Beverage Assistants
- Isabella Difranco and Amy West, Weekend Sales Assistants
- Makeda Doyal, Food Services Assistant
- Paul Edwards, Head of IT
- Marco Florio, Food Services Supervisor
- Norman Herbert and Charlotte Newman, Lodge Porters
- Robert High and Moyb Ullah, Kitchen Porters
- Justin Lee, Concerts & Festival Manager
- Hannah Lucas, Events Officer
- Sandra Mertens and Deniz Toll, Domestic Supervisors
- Katrina Purser, Entrepreneurship Lab Manager
- Natasha Schonfeldt, Conference & Events Sales Executive
- Louise Singfield, Apprentice Gardener
- Barbara Tucker, Tutorial Office Assistant
- Charlotte Waters, Gardener
- Rebecca Williams, Fellowship Administrator
- Ralph Woodward, Acting Assistant Director of Music
- Nicola Wright, Financial Tutor's Assistant

Deaths

It is with great sadness that we report the death of the following members of staff:

MR REGINALD ARNOLD, who was a Porter for over 20 years. Reg died on 3 August 2022.

MR TREVOR EDE, who was Chapel Clerk for five years. Trevor died on 17 February 2022.

MRS EVELYN STAFFORD, who was Secretary to the Vice-Provost for 22 years. Eve died on 5 July 2022.

MS HANNAH TRAN, who worked as Data Assistant and Visitor Guide while studying for her MPhil at Cambridge. Hannah died on 3 February 2022.

Development

Philanthropy

The enormous commitment and generosity of our alumni and friends continues to make a very real difference to all aspects of the College – to the lives of our students, to the depth and reach of our research, to the extent and ambition of our access and widening participation programmes, and to conserving and enhancing this unique environment here at King's. Despite the huge challenges caused by the pandemic over of the last financial year, new gifts and pledges of almost £7 million brought our running total of the King's Campaign to £82.5 million. We owe a huge debt of gratitude to all our donors for their involvement, unwavering support and their continued investment in the future of this very special College.

Entrepreneurship and innovation are areas that have excited substantial support. Established by a generous donation, the King's Entrepreneurship Lab (E-Lab) is the first of any College and has really taken off this year. Its aim is to provide new extracurricular opportunities to our undergraduate and graduate students; to help them make the most of their ideas and inventions and offer early support towards potential commercialisation beyond completing their studies; and to teach and encourage entrepreneurial thinking which they can use in whatever career path they choose to follow. The E-Lab's emphasis is on developing sustainable and ethical projects with a positive social and environmental impact. It was officially launched on Sunday 26 September 2021 with a lively in-person panel discussion chaired by the Provost and featuring Dr Gemma Chandratillake (KC 1997, Natural Sciences), Dr Sarah Wood (KC 1992, English), Malcolm McKenzie (KC 1977, Engineering), and Professor Andy Neeley (Pro-Vice-Chancellor for Enterprise and Business) and on the topic of 'The role of business in addressing global crises and societal change'.

The Lab is run by Co-Directors Dr Kamiar Mohaddes and Dr Thomas

Roulet, with the support of an advisory board made up of alumni Malcolm McKenzie (KC 1977, Engineering), Jonathan Adams (KC 1986, Economics), Luke Alvarez (KC 1986, Philosophy), Penelope Herscher (KC 1979, Mathematics), Stuart Lyons (KC 1962, Classics), Sheelpa Patel (KC 1995, Modern and Medieval Languages), Fellow Dr Tim Flack (KC 1995, Engineering) and Senior Tutor Dr Myfanwy Hill.

The growth in the number of students attending the E-Lab activities in person and online has been extraordinary and their appetite for more is beyond anything we ever expected. Resources were quickly very stretched. We were therefore thrilled to receive a gift of £1.5 million from David Sainsbury (KC 1959, Natural Sciences) and the Gatsby Charitable Foundation to help expand the activities of the E-Lab over the next ten years, and build on its efforts to provide students with entrepreneurial and career skills with a view to making positive social change and improving employability. A Research Fellowship has been created to explore the sociological, psychological and economic dimensions of entrepreneurship as a field of study, and the Entrepreneur-in-Residence scheme has been enhanced to offer students mentoring and informal business advice throughout the year. To complement this, a donor has established the Entrepreneur-in Residence MPhil Studentship Programme. We were delighted to welcome Criminology student Catherine Bostock as our first Entrepreneur-in-Residence MPhil Student, and alongside her studies, Catherine will be taking part in this year's extracurricular E-Lab programme, through which she will develop her ideas to create a social enterprise to help young people coping with trauma.

King's continues to be a popular choice for graduate students. Consequently, new donations of over £100k to support graduate students were put into immediate use. This year the Tutorial Office was able to fully or partly-fund 90 studentships through King's own new and historic restricted funds; 55 of these are for new postgraduates and 35 for continuing students. One of our top priorities over the next few years is to try to secure permanently endowed funds for future generations of postgraduates, as many of the recent funds raised are short-term or expendable.

The new *Passivhaus* buildings at Croft Gardens have been completed ahead of the new Michaelmas term, creating 84 new homes for graduates, Fellows and their families, set in beautiful gardens with first-class facilities. This is an important moment. For the first time in the College's recent history, we can offer accommodation to any King's student who wishes to live in. The site has been named Stephen Taylor Court and comprises three crescent terraces forming an open-sided court, a new graduate villa – Croft Gardens House - and the refurbishment and extension of an existing Victorian Villa as a communal space. The student building – the Adkins Building - is named in honour of Dr Tess Adkins, our dearly loved and respected Life Fellow who is still very much involved in the life of the College. The rental income from this new accommodation, combined with that of the accommodation on Cranmer Road, will generate significant funds annually towards our student support and access initiatives (SASI).

As part of the celebrations of 50 Years of Women at King's starting in late September 2022, we commissioned portraits of Life Fellow, Professor Dame Caroline Humphrey, and Judith Weir (KC 1973, Music). The commissions have been made possible by a legacy gift made by Linda Donley-Reid (KC 1978, Archaeology) and a donation by a Fellow Benefactor. We hosted an event in April with Carrie and the artist, Anne Rothenstein, when Carrie's portrait was 'unveiled', and it now hangs in the Hall. The portrait of Judith will be completed in 2023. We hope to be able to commission others in the future.

An alumnus, who has had a life-long love of the German language since the inspirational teaching by Dr Erika Swales when he was an undergraduate, has created a new fund in her name to support teaching and learning of German within King's College, and with the hope that this will attract other gifts to build up the fund.

The widespread publicity of the King's wildflower meadow prompted the great-granddaughter of Laurence Mansfield Ingle (KC 1909) to donate a set of books of his beautiful botanical drawings to the College Library and Archives. Laurence had an extraordinary life. He left King's to work

as a missionary doctor in China, taught himself the language and went on to become Dean of the Medical School at Cheeloo University, Professor of Anatomy and consultant surgeon; while there he translated *Gray's Anatomy* into Mandarin. On his return to Cambridge in 1940, he was an anatomy tutor at King's and drew and painted the local flora for over twenty years.

The Chapel has benefitted from a generous bequest from the estate of Maurice Burnett (KC 1941, History). Maurice died in Virginia on 21 July 2020 at the age of 97 and had great affection for both the College and the Chapel, making friendships here which endured throughout his life. While at King's he was a member of the College football club, serving as its secretary in 1941. His brother Brian Burnett (KC 1939, Economics) was also at King's.

A new Campaign video, commissioned to highlight the impact of philanthropy and featuring some of our students, was premiered at the 1441 Foundation Dinner on 27 November 2021; our first in-person 1441 Foundation event since 2019. We were honoured to have Professor Peter Frankopan, now UNESCO Chair of Silk Roads Studies at King's, as our speaker. Three students spoke on the evening to our 130 guests, describing their personal experience of philanthropy; how and why they came to King's, and what they have been enabled to do as a result. The afternoon programme featured Professor Caroline Goodson and Dr Katie Haworth talking in greater detail about the archaeological finds at Croft Gardens, with some of the brooches and clasps there for the audience to see. A panel discussion gave the opportunity to hear more about the E-Lab and meet the students, and a walking tour with Domus Bursar Philip Isaac showed off our newly refurbished bar and beautiful accommodation in Keynes and Garden Hostel.

The Telephone Fundraising Campaign (TFC) was delayed until the first two weeks of January 2022 and our sincere thanks go to those 180 alumni who gave a total of £138,000. Over 300 Non-Resident Members from around the world spoke with nine of our current students during the course of the

calling, for which we are grateful. This is a wonderful way for the College to stay connected with alumni, and for students and alumni to discuss and share experiences of King's past and present. It is also an important part of our annual fundraising, and funds raised this year are supporting those undergraduate and graduate students facing financial hardship, and helping expand the mental health resources we can offer. Most of these gifts are regular, long-term commitments that are so valuable, providing a steady quantifiable cash flow to the College.

Announced on the anniversary of Alan Turing's birth, a gift in support of a College Teaching Officer (CTO) in Computer Science has created the Enactor Turing Fellow and CTO for five years and adds to the support being given towards the Enactor Turing PhD Studentships, a cornerstone of The Alan Turing Programme at King's. Apinan Hasthanasombat (KC 2017, Computer Science), known as Api, has just been appointed and will deliver teaching to small groups, assist with the admission of prospective students, and conduct his own research. Originally from Thailand, Api studied an MPhil and PhD at the College. His recent research interests have a particular focus on understanding and improving the robustness of neural network models, a significant issue given the increasing use of black-box models for safety-critical applications.

Towards the end of this financial year, we have been exploring the possibilities around an ambitious new access initiative. For many years the North-East of England has been the 'Link Area' designated to King's and the region that we focus our access and widening and participation work. The College has made a ground-breaking decision to partner with IntoUniversity to open a learning centre at the heart of one of the most disadvantaged areas in the UK and our link area, Middlesbrough, in autumn 2023. IntoUniversity is an educational charity with an extraordinary social mission and whose priority is early intervention, working with students from age 7–18, with a view to helping prepare students for a university education from a young age. They are experienced in setting up centres in Britain's least privileged communities in order to offer safe spaces for young people to learn, explore and succeed, and provide ongoing support from primary school right

through to the end of year 12. These centres work in partnership with the local community and local leaders, families, schools, and universities, on a long-term basis, providing the consistent, long-term support that can help break cycles of disadvantage.

Our aim is to fundraise together to establish this centre, which will provide a number of unique opportunities. It will provide a hub which will be fully staffed by IntoUniversity experts giving after school support sessions and tutoring; offering a range of workshops, study weeks and career engagement activities to help open young people's minds to the power of education to transform their lives; arranging mentoring where students are paired with undergraduates and young professionals who provide one-to-one support and can help build confidence; offering careers support, working with corporate partners to provide work experience, internships and networking; and running Explore Cambridge, working with students in years 9-13 giving them information about Oxbridge, and guiding them through their application process. For King's it will offer the additional benefits of being a place we can visit and use as a base to establish contact with some of the hardest to access students. We can take advantage of the training of the IntoUniversity staff, to improve our own skills, and engage in more comprehensive and larger-scale events. We can provide IntoUniversity opportunities to visit King's and maintain contact with students on a long-term basis. We can use IntoUniversity's other centres to help promote King's access activities; develop new residential visits and courses, and enrich our existing programmes with new expertise. Most importantly this centre could have a transformative impact on the lives of thousands of young people.

Alumni Relations

We hosted our first in-person event since lockdown in late June 2021 where 68 guests attended their 10th Reunion. The delayed 20th, 25th and 30th Reunion in late August and the Alumni Weekend at the end of September 2021 brought another 433 alumni back to College, with everyone in high spirits.

In March 2022, over 95 guests attended our first Foundation Lunch since

2019. The atmosphere was buoyant, and our most senior Members were delighted to be back in the College. Dr Caroline Goodson presented an update on the archaeological excavation and finds at the Croft Gardens site, and the Archivist arranged an exhibition of materials showing the College's debates which preceded the admission of women undergraduates in 1972.

The 20th, 25th and 30th Reunion at the beginning of April saw 115 attendees, with the afternoon being filled with tours of the new hostels and of the gardens, led respectively by the Domus Bursar and Head Gardener. The event was lively, with one NRM placing a significant amount of credit behind the Bar for the enjoyment of his contemporaries and their guests!

The annual Turing Lecture in April returned to its in-house format in the Keynes Hall and was also broadcast live to an online audience of over 150. The lecture was a fascinating glimpse into the world of applied artificial intelligence, from weather prediction to controlling plasma containment fields, delivered by Dr Raia Hadsell of the DeepMind Robotics division. During the afternoon there was an opportunity to see a reproduction Enigma device and a Polish Cyclometer demonstrated; we have the only working model in the world, recreated by an undergraduate Engineering student under the supervision of Dr Tim Flack.

The Henry VI Circle Lunch for College legators took place on 7 May. It was very heartening to see so many of our dearest supporters back in College and enjoying each others' company. David Good introduced King's College Research Associates Jasmine Lee, who spoke on Conservation in Antarctica; and Kerrie McNally and Tiphaine Douanne, who presented their joint research on T-cell immunotherapies for cancer. In the same month, a few of our braver NRMs took up the invitation to join the May Bumps Racing and Dinner and the King's Affair!

After two years without travel, the Provost, his wife and I were delighted to have the opportunity at the end of May to fly to the USA and Canada to meet alumni and friends in New York, Los Angeles, San Francisco,

Minnesota, Ottawa and Nova Scotia all in the space of 10 days. It was a pleasure to meet some people for the first time, to catch up with old friends and to thank in person those who have been so generous over the years in supporting the Campaign.

Communications

The Communications team continues to produce regular electronic newsletters for staff, students, and Fellows, and separately for alumni; *King's Parade* magazine; Annual Report; Philanthropy Report; the King's calendar and celebration cards, as well as dealing with press enquiries, writing and co-ordinating press stories and donor reports, updating the website and social media channels. A special issue of *King's Parade* magazine was produced over the summer 2022 focusing on the 50th anniversary of the admission of women to the College in 1972. The team have supported a number of College-wide projects including the updated Spurling Report on gendered experiences, and the management of the Undergraduate Summer Research Programme, now in its second year.

In other news

We were delighted to welcome Hannah Lucas to the team as Events Officer, and she is already proving to be a huge asset to our work and the College.

Our thanks as ever go to the Provost and Fellowship for their unerring support; to the Archivists for producing fascinating exhibitions for events and special visitors, and to the staff for their work behind the scenes. Special thanks to Dr Keith Carne for his impeccable help, support and advice over the many years and we wish him a happy and productive retirement (we know he will be as busy as ever!) as he steps down as First Bursar in September 2022. Dr Tim Flack has been inspirational as Senior Tutor and we thank him for his support over the years as he hands over to Dr Myfanwy Hill in September 2022.

In recognition of outstanding philanthropy and support for the College, we are delighted to have elected two new Fellow Commoners. We thank them for their generosity, and in addition we thank all those who have given their

time, advice, support and help in so many ways; we had 73 volunteers this year! Special thanks go to the members of the Campaign Advisory Board: Sarah Legg, Ian Jones, Francis Cuss, Mike Carrell, Chris Hodson, Sandy Peng and Alexandra Wrage; to the Entrepreneurship Competition Judging Panel: Stuart Lyons, Adrian Suggett, Jonathan Adams, Hermann Hauser, Sarah Wood, Gemma Chandratillake, Gerry Mizrahi, Megan Donaldson, Shai Vyakarnam, Mike Bate, Tim Flack; to those on the Senior Advisory Board of the Entrepreneurship Lab; on the Investment Committee: Paul Aylieff, Mark Gilbert, Martin Taylor and Ian Kelson; and to the College Officers, Fellowship and staff for their full support in all of our activities.

LORRAINE HEADEN

Director of Development

Donors 2021–2022

The College thanks all those Members and Friends who made donations in the financial year July 2021 to June 2022.

If you would like to be listed differently in future years, please let the Development Office know your preference by emailing members@kings.cam.ac.uk or calling +44 (0)1223 331313.

Donors who wish their gift to remain private are marked as anonymous.

† indicates donors who are known to have died at the time the list was compiled (September 2022).

1941

Mr M.G. Burnett †

1944

Mr I.S.S. Ferris

1945

Mr S. Gorton

Mr F.C. Porter

And one anonymous donor

1946

Mr K.J. Goodare

1948

Mr J.B.A. Barton †

Mr O.J.B. Pemberton

1949

Mr J. Debenham

Dr D.B.A. Evans †

Mr L.A.O. Halsey

The Revd Canon T.S. New

Mr Anthony Shillingford †

Professor F.R. Willis

1950

Sir Christopher Foster †

Mr D.S. Green †

Mr M.R. Hurton

Professor K.W. Wedell CBE

And one anonymous donor

1951

Mr A.H. Barnes

Mr J.C. Marvin

Mr C.G. Nears CBE

Mr D.L. Nichol

Dr I.C.T. Nisbet

Dr H.R.M. Roberts

And one anonymous donor

1952

The Revd W.H.V. Elliott

Mr D. Hunt

Dr I.D. Hunter-Craig

Mr G.E. Margolis

Mr M.B.L. Nightingale OBE †

Dr N.W. Oakley

Professor J.M. Parker

Mr R.W. Tringham

Mr R.C.T. Welchman

1953

Mr D.P.K. Gaunt

Mr A.W. Hakim

Dr P.S. Lewis

Dr R.T. Savage

And one anonymous donor

1954

Dr D.C-H. Cheng

Mr H. Cheng

Mr R.H. Cosford

Professor C.N. Mallinson FRCP

Mr B. Oatley

Professor C.D. Parsons

Mr B.C. Rowe

Mr K. Rybicki

1955

Mr G.V. Adams

Mr E.K. Clark OBE

Mr Michael Davenport †

Mr M.C.F. Gibbs

Mr N.J. Hobson

Professor P.L. Jones

Dr C.C. Keyte

Mr P.K. Pal

Mr D.L. Randall

Mr E.L. Rees

Mr D.H. Roose

Mr P.F.B. Tatham MBE

Mr N. Tucker

Mr P.R.C. Williams OBE

Professor E.G. Wilson

And one anonymous donor

1956

Mr N.R. Armfelt

Mr J.F.K. Ashby

Mr J.M.R. Drummond

Dr R.P. Duncan-Jones

Mr J.B. Field

Mr P.J. Hughes

Professor D.J. Kleinbard

Professor David Luscombe FBA †

Professor A. Seaton CBE

Dr A.M. Shaw

Mr M.B. Sparshott

And five anonymous donors

1957

Mr D.G. Armstrong

Dr D.G. Bostock

Mr S.R. Duckworth

Mr C.D. Elston

Mr M.F. Garner

Mr B.G. Hann

Mr R.J.A. Harmer

Mr A.E.W. Hudson

Mr H.E.A. Johnson OBE

Mr D. Kiggell

Mr S.M. Mills

Mr J.D.H. Morgan

Mr R.A.D. Noble

Professor J.E. Reade

Mr G.D. Slaughter

Dr M.P. Stewardson

Dr R.G. Street

Mr M.G. Sykes

Mr J.R. Wrangham

And three anonymous donors

1958

Mr J.D. Blythe

Professor P.M.A. Broda

Mr R.V.J. Cadbury CBE

Mr R.H. Fanshawe

Mr C.J.N. Fletcher

Mr G.E. Good

Mr C.N.A. Haigh OBE

Mr C.P. Harvey

Professor Sir Gabriel Horn FRS,

FRCP † and Lady Priscilla Horn †

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Mr Francis Markham †

Mr R.J.S. Maylan

Mr R.S. November

The Revd R.P.C. Podger
Mr S.F. Taylor
Mr M.R. Webb
Mr D.A. Young
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1959

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Dr R.P. Freedman
Mr R.J. Fries
Mr M. Greenhalgh
Mr D.K. Harmer
Mr A.J. Herbert
Mr T. Lacy-Hulbert
Mr R.E. Langford
Professor J.R. Lyon
Mr R.N. Page
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Mr A.K.D. Ross
Dr M. St. John Parker
Mr S.A.T. Standage
Mr J.P. Steele
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And four anonymous donors

1960

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Professor M.J. Daniels
Mr D.E.F. Gollin
The Revd N.J. Hancock
Mr J.R. Hornsey
Mr A.P. Lewis
Mr D.E. Marshall
Mr M.R. Mathews
Mr M.J. Moore
Mr P.A. Ratcliffe
Mr C.B.M. Reed
Professor R.O. Robinson †
Mr R.A. Strange
Professor R.J. Ward

Dr R.G.G. Wheeler
And four anonymous donors

1961

Dr K.G.E. Brown
Mr C.M. Clapham
Mr J.A. Cooke
Dr J.O. Drewery
Mr C.J. Evans
Mr C.N. Garrett
Mr A.M. Lodge
Mr B.P. Maddams
Professor J. Mann
Dr I. Roebuck
Mr J.D. Stephen
Professor R.L. Tapper
Mr J. Tatton-Brown
Mr P.J. Watkins
Mr A.F. Whitelam
And two anonymous donors

1962

Dr T.L. Banfield
Mr T.P. Benthall
Mr J.H. Bolgar
Mr R.W.J. Clayton
The Revd Dr K.W. Clements
Dr D.R.G. Crowther
Mr A.J. Dorken
Professor W.R. Eatock Taylor
Professor N.R. Forsyth
Professor A.W. Hales
Mr B.S. Krichefski
Mr P.D. Lathan †
Mr R.E. Lee
Dr D.G. Lindsay
Mr S.R. Lyons CBE
Professor H.P. Maguire
Mr D.T. Mellor
Dr M.R. Parlett
Dr N.O. Parry-Jones
Mr P.E. Robinson

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Mr J.A. Wraith
And one anonymous donor

1963

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Mr B.D. Carroll
Professor P.A.K. Covey-Crump
Dr J.L. Dawson
Dr W.A. Edwards
Mr D.M. Forrester
Dr L.A. Forstrom
Mr J. Gibb
Mr M.J. Gorman
Dr T.M. Graf
Dr A. Greggains
The Revd A.M.H. Harter
Mr R.D. Hobson
Mr E.T. Hughes
Dr L.O.F. Jeromin
Dr B. Khosrovi
Professor M.A.H. MacCallum
Mr D.M. Pursglove
Mr J.G. Stephen
Dr W.P.C. Stokes
Mr I.G. Stother
Dr W.V. Thomas
Dr P.M. Williams
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1964

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Mr P.A. Buckles
Mr J.F. Davey
Mr P.D. Halliday
Mr R.H.J. Harris
Mr T.S. Harrison
Professor P.M. Hirshorn
Mr J.L. House
Mr R.P.S. Le Rougetel
Professor S.E.G. Lea

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Professor S. Sarkanen †
Mr J.E. Savage
Mr R.B. Schram
Mr D.M. Stanford
Mr M.J.Y. Williams
Mr C. Wilmer
Professor A.J.B. Wood CBE

1965

Mr R.W. Bartholomew
Mr N.S.D. Bulmer
Mr Michael Bury †
Professor R.C.H. Cheng
Mr C.J. Coffin
Professor A.R.S. Collins
Mr N.T. Cross
Dr G.P. Evans
Dr S. Friedman
Professor Sir Ian Gilmore
Mr K.J. Harris
Mr R.H. Herford
Mr J.A. Jones
Mr P.V. Mallett
Dr J.G. McGill
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Mr R.G. Pickles
Dr R.H. Pogson
Mr C.B. Ridler
Professor R.E. Rowthorn
Mr M.J.G. Smith
Mr G. Street
Professor J.K. Truss
Dr D.G. Williams
Dr D.C.E. Wurr
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1966

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 Dr W.M. Baum
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 Mr E.D. Booth
 Professor N.J. Brewin
 Professor Emeritus M.S. Byram
 Dr L.H. Ferguson III
 Colonel N.J. Holland
 Mr G.A. Hunt
 Professor J.M. Huthnance MBE
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 Mr A.J. Parker
 Professor R.P. Phizackerley
 Professor Sir Martyn Poliakoff CBE
 Mr G.C. Rawlinson
 Mr D.A. Smart
 Dr J.L. Stansfield
 Dr E.L. Stelzig
 Mr M.M. Thomas
 Mr J.M. Waterson CBE
 Dr P.C. Waylen
 Mr A. Williams-Key
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1967

Mr A.J. Barnes
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 Mr R. Bridge
 Dr M.E. Callender
 Dr G.J. Crimmins
 Mr A.L. Davies
 Dr K.R.F. Elliott
 Mr A.M.P. Falk
 Mr R.J. Fawcett
 Dr C.A. Firth
 Professor C.P. Hales
 Mr B.V. Hall
 Professor L. Hatton
 Mr R.A.G. Hermon
 Professor N.G. Kingsbury

Mr R.M.J. Lea
 Dr B.R.F. Lecky
 Professor S.C. Levinson FBA
 Mr N.M. Taylor MBE
 Professor M. Tiberi
 Professor S.G. Utz
 Professor L.G. Valiant
 Mr P.J. Wallace
 Professor G.W.A. Warr
 Dr R.B. Williams MBE
And three anonymous donors

1968

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 Mr R.M. Creighton
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 Dr J.P. Goodliffe
 Mr C. Green
 Dr L.M. Jenkins
 Mr A. Moore
 Mr R.A. Orme
 Dr J.H.B. Poole
 Dr C.J. Sketchley
 Professor S.J. Usprich
 Mr C.D. Van Vorst
 Mr J.A. Wilde
And seven anonymous donors

1969

Dr M.G. Bell
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 Mr S.A. Forbes
 Mr I.C. Harvey
 Mr G.B. Hemming
 Mr H.C. Langley
 Professor M.D. May
 Dr W.C. Melton
 Dr T.P. Moreton
 Mr A.R.M. Roulstone
 Mr J.N. Scott-Malden

Mr W.P. Sharpe
 Dr S.C. Wallis
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 Professor F.W. Wray
 Dr R.L. Znajek
And one anonymous donor

1970

Mr A.H.M. Davies
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 Mr T.A. Ford
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 Mr A. Kaletsky
 Dr C.E. Lewis
 Mr T.C. Martin
 Mr R.G. Nelson
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 Dr P.A. Temple
 Professor A.D. Tomos
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And two anonymous donors

1971

Professor M.E. Akam
 Swami Anahata
 Mr W. Arnold
 Mr P.A.R. Cooper
 Mr G.F. Daines
 Mr T.N. Gazard
 Mr D.B. Grubb
 Dr S.C. Harris
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 Mr P.J. Larkham
 Dr P. Mallinson
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 Mr R.K. Pollard
 Mr A.J. Simms
 Mr D.M. Templar

Dr S.J. Vickers
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And two anonymous donors

1972

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 Dr M.F. Csar
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 Mr R.A.K. Dinwiddie
 Dr M-A. Enoch
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 Dr S.E. Millership
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 Dr R.J.W. Phillips
 Dr L.D. Raines †
 Mrs H.M. Smith
 Dr A.E. Taylor
 Ms S.M. Tomes
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1973

Professor C.A. Amos OBE
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 Mr J.D. Atha
 Dr D.B. Ball
 Dr D. Connolly
 Dr H.M. Couclelis
 Dr J.M.A. Few
 Professor C.E. Gellert
 Professor A.S. Henriques

Mr P.F. Hutchinson
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 Mr T.B. McAuliffe
 Mr I.J. McLellan
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 Ms E.A. Oddie OBE
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And five anonymous donors

1974

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 Mrs L.R. Cairnie
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 Mr M. Davidson
 Professor A.P. Dickin
 Mr F.M. Drake
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 Mr C.J. Fine
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 Mrs D. Rose
 Professor J.G. Rushton
 Dr K.A. Sawyer
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 Professor D.E. Simpson
 Ms P.J. Smith
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And three anonymous donors

1975

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 Dr E. Stanger
 Dr A.C. Stewart
 Dr M.A. Stocker FSA
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1976

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 Mr M.B. Beardsell
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1977

Ms W.M. Backhouse
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 Dr R.B. Grant FRSC
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 Mr J.J.E. Lefroy
 Dr A.B. Peck
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 Mrs P.W. Tolmie
 Ms P.M. Tunstall
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1978

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 Mr M.W. Jones
 Ms E.M. Kitcatt
 Dr K.D. Mellors-Coull
 Mr P.G.H. Morgan
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1979

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 Mrs J.C. Hands MBE
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 Ms C.H. Wallace
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1980

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 Mr A.J.E. Gray
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 Mr A.P. Ireson
 Professor M.H. Johnson
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 Mr P.M. Whittemore
 Mr S.M. Wright
And one anonymous donor

1982

Mr A.P.D. Benson
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 Mrs J. Cormack
 Mrs S.J. David
 The Rt Revd P.J. Ferguson
 Mr S.D. Haggard
 Dr D.Y.K. Ko
 Mr W.G. Lee
 Ms K.S. Robinson
 Mr A.E.W. White
And one anonymous donor

1983

Dr D.D. Agranoff
 Mrs F.H. Anderson
 Dr T.K. Carne
 Mr G.J.H. Carr
 Mrs K.A. Evison
 Mr I. Hodkinson
 Mr D.M. Hoppe
 Mr S.J. House

Mr N.R. Jackson
 The Revd B.L.M. Phillips
 Mr S.S. Viridi
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1984

Mr A.G. Anderson
 Professor K-K. Bhavnani
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 Dr H.M. Kingston
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1985

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 Ms J.K. Dawe
 Mrs S. DeWolf
 Mr L.G. Diamand
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1986

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Ms S.C. Legg
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1987

Mr P.A. Barley
 Mr R.M. Beach
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 Mr R.J. Eggleston
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 Ms J. Harper
 Mr J. Hunnable
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 Mr R.J. Nash
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 Ms M.C. Walker
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1988

Ms H.E. Bickerstaff
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 Dr C.R. Brake
 Dr F.F. Campbell
 Mrs J. Hopper
 Professor M.W. Lake
 Ms C.M.H. Leyshon
 Ms J. Limburg
 Professor K.C. Patel
 Dr J. Pye

Dr H.E. Viner
And two anonymous donors

1989

Professor C.L. Bevan
 Mr C.M. Brunelle
 Mr G.T. Clayton
 Ms S. James
 Mr D.J. Langan
 Professor A.F. Lee
 Mr G.M. Mallon
 Mrs M.R. Murray
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 Professor T.W. Shakespeare CBE
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1990

Professor I.K. Baldry
 Mr A.D. Baxter
 The Revd M.H.McL. Bursell
 Mr C.J. Drew
 Dr E.S. Eger
 Mr D.R. Ellis
 Dr S. Hoesel-Uhlig
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 Professor A.K. Seth
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And one anonymous donor

1991

Mr M.B. Beckles
 Mr R.A. Bentall
 Mr M.A. Cheverton
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Ms S.L.R. Hughes
 Dr N.R. Kane
 Miss G.K. Malden
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 Mr A. Rollason
 Ms A.M. Shamsuddin
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1992

Mrs M.A.H. Gill
 Mr A. Hardy
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 Mr E.S. King
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1993

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 Mr J.P. Briant
 Ms L.J. Bunce
 Dr D.G. Burnaby
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 Mr A.J. Tomson
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1994

Professor R.D. Caplan
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 Mr D.D. Jay
 Professor R.G. Jenner
 Dr J.E. Marfany
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 Dr N.D.T. Roberts
 Mr D. Shah
 Ms Z.A. Smith
 Dr T. Weingärtner

1995

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 Mr M.J. Brady
 Dr S.M. Griffiths
 Dr L.C. Hawley
 Dr A.T. Holmes
 Mrs J.I. Holt
 Dr H.J.M. Hsu
 Ms S.C. McBride
 Miss S.C.J. Ramanah
 Mr M.A.P. Rana
 Mr D.B. Rosenberg
 Mr P.A. Rudland
 Mr J.S. Thompson
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1996

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 Dr J.R. Bulpin
 Ms A. Cádiz Aravena
 Dr H.L. Corbett
 Dr K.M-A. Fleming
 Mr S.L. Foley
 Dr M.J. Garner
 Mr W. Lee
 Dr D.J. Sheridan
 Mr M.B. Stacy
 Ms S. Watson

1997

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 Dr V.R. Easson
 Dr A.M.T. Gowland
 Mr M.C.S. MacSweeney
 Professor A.K. Morehead
 Dr C. Nifadopoulos
 Mr E.H.C.W. Price
 Miss L.K. Ryan
 Dr G.D. Thwaites

1998

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 Mr S.J. Crocker
 Dr R. Fawcett
 Mr T.C. Kiddell CBE
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 Ms S.L. Thorpe
 Mr C.R. Tiné
 Dr P.J. Van Roessel

1999

Dr C.E. Bolten
 Miss R.C. Rowntree
 Dr D.P.M. Swallow
 Dr R. White
 Mr O.J. Wicker
 Mrs E.K. Wyllie

2000

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 Mr C.D.F. de Mauny
 Mrs E.K. Hibberd
 Dr O. Sensen
 Dr E.M. Ward
And one anonymous donor

2001

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 Miss S.E. Chidgey
 Mrs L.E. Doggett
 Mr P. Du Toit

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 Dr J.S. Latsis
 Mr C.R. Lipscomb
 Professor N.J. Marston
 Mr A.J. Murphy
 Mr D.M. Roughley
 Mr R.E. Tamraz
 Dr I.T. Uzuner
 Mr T. Widmann

2002

Mr J.G. Adams
 Miss K.L. Anstis
 Mr A.G. Foley
 Mr S.R. Michell
 Mr J.S. Neshier
 Mr B.B. Reiter
 Miss A.J. Thompson Hoskins
 Ms R.F. Thompson
 Mr A.M. Willoughby
 Dr R. Zymek

2003

Mr R.G. Baker
 Mrs C.F. Cameron
 Miss A.A.F. Chadwick
 Mr J. Gooding
 Mr P.J. Griffin
 Mr M. Hancock
 Dr M.M. High
 Mr S.O. Jewell
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 Mr A.A. McKinlay
 Mr S. Means
 Dr K.L. Young
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2004

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 Dr L. Jostins
 Dr A. Nikandrova
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Dr A. Stearn
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2005

Dr G.J. Collord
Mr S.D. Hall
Dr A.C. Hansen
Dr K.E. Leigh
Professor B.A. Mazzeo
Mr S.A. McEvoy
Mr M.J. Tancock
Dr P.H. Thomas
Mr W. Wearden
Mr J.W.M. Woodworth

2006

Ms V.L. Bennett
Professor M.D. Bordo
Miss D.J. Brotherston
Mr M.A. Clarke
Ms L.K. Coghlan
Ms D.L. Doliveux
Mr J.D. Hancock
Miss E. Lauder
Miss R.K. Lowe
Dr F. Messineo
Dr T-T. Odumosu
Dr T.W. Peach
Dr A.N. Ridge
Dr H. Shannon
Mr G.A. Stagg
And one anonymous donor

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Mr C.J.A. Halladay-Garrett
Dr C-Y.S. Huang
Miss S.A. Hughes
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Mr J.K.P. Mawson
Mr D.M. Morris

Dr J.D.G. Poskett
Mr B. Shields

2008

Mr J.K. Azkoul
Mr B.T. Bryan
Dr O.R. Francis
Captain M.F. Harrison
Mrs S.J. Irons
Ms K.M. McCutcheon
Ms E.C. Phillips
Mr M.J. Sandy
Dr P.J. Stimpson
Mr A. Stobbs
Mr P.N. Wang
Dr Y.H. Wang-Koh
Dr C.M. Ward

2009

Mr R.J.J. Boyd
Dr J. Day
Dr L.B. Edelman
Mr R.F.P. Grisel
Ms R.C.R. Hallett
Mr Z. Keene
Mrs J.F. Lee
Dr C.J. Logan
Mr R.M. Sees
Mr A. Whyte

2010

Mr A.P. Buchanan
Dr G.W. Chater
Mr T.D. Keningley
Mr M. Kunesch
Mrs L.J. Lane
Mr T.A. Martin
Mr T. Moodie
Dr T.E. Old
Mr R.J.M. Stephen
Mr P.H. Whitney

2011

Mr R.C. Beauchamp
Mr H. Hawkesworth
Dr J.N.W. Howe
Mr S.R. Landman
Ms K.M. Stone
Mr I.S. Tchernev

2012

Professor C. Giannitsarou
Mr M.K. Mukhopadhyay
Mr C.M. Talbot
Ms E.D. Turner
And one anonymous donor

2013

Mr T.H. Etheridge
Mr O. Finn
Mr F. O'Sullivan
Professor M.R.E. Proctor FRS
Dr H.F. Williamson

2014

Mr W.L. Collins
Miss M. Deng
Dr S. Khoshnaw
Mr H. Mohamoud
Miss R.E. Mumford
Miss M. Murton
Mr P. Parekh
Dr V. Shumaylova

2015

Mr J. Booth
Miss K. Hes
Mr O. Sabbagh
Mr H.S. Ungless

2016

Dr A.V. Blackhurst
Ms A.D. Breedlove
Mr L.F. Harris
Dr I. Papanikolaou

Mr A. Singh
Mr M.P. Walker
And one anonymous donor

2017

Dr P.A. Nicola

2018

Dr F.A. Mir

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Major Promotions, Appointments, Honours and Awards

Fellows

Dr Anna Alexandrova

Received the Joseph B. Glitter award from the American Philosophical Association for her work *A Philosophy for the Science of Well-Being*.

Professor Pete de Bolla

Elected as an International Honorary Member of the American Academy of Arts and Sciences.

Professor Angela Breitenbach

Promoted to Professor.

Dr Katie Campbell

Won the BAR Open Access Award.

Dr Sophia Cooke

Awarded a Darwin Initiative Grant for her Co-Galapagos project.

Professor Anne Davis

Awarded a Buchalter Cosmology Prize for a paper on the direction of dark energy.

Professor John Dunn

Awarded the Krzysztof Michalski Visiting Fellowship at the Institute for Human Sciences in Vienna for Spring 2022

Professor George Efstathiou

Awarded the 2022 Gold Medal in Astronomy from the Royal Astronomical Society

Appointed a Leverhulme Trust Emeritus Fellow

Professor Simon Goldhill

Elected Fellow of the Australian Academy.

Professor Caroline Goodson

Promoted to Professor.

Professor Henning Grosse Ruse-Khan

Promoted to Professor.

Professor Surabhi Ranganathan

Promoted to Professor.

Dr Mira Siegelberg

Awarded the Francesco Guicciardini Prize for Best Book in Historical International Relations for *Statelessness: A Modern History*

Professor Jamie Vicary

Promoted to Professor.

Non-Resident Members**Cooke, J. (1961)**

Awarded an MBE for services to opera.

Eaves, W. (1986)

Elected as a Fellow of the Royal Society of Literature.

Elliott, A.M. (1987)

Elected Fellow of the Academy of Social Sciences.

Frances, C. (1992)

Awarded a CBE for services to local government.

Gwyn, D. (1975)

Awarded an OBE for services to archaeology and history in Wales.

Hartley, J. (1988)

Awarded a knighthood for services to healthcare.

Killing, A. (1999)

Awarded a Pulitzer Prize for her role in reporting on the network of detention camps in Xinjiang, China.

Rushdie, S. (1965)

Appointed as Companion of Honour in recognition of his long-standing contribution to literature.

Vambe, J. (2018)

Elected as a Labour councillor in Southwark, representing the Chaucer ward.

Walton-Knight, A. (2018)

Awarded the Council of Military Education Committees (COMEC) 2022 Best Student Prize for her work in support of fellow students, charities and the wider Armed Forces community.

Williams, D (2020, current student)

Awarded a scholarship on the Freshfield Stephen Lawrence Scholarship Scheme.



Obituaries

Obituaries

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CHRISTOPHER ABELL (1983), who died suddenly and unexpectedly at the age of 62, was a Professor of Biological Chemistry, Fellow of Christ's College, and the University's Pro-Vice-Chancellor for Research. He was a pioneer in the field of fragment-based drug discovery, as well as a founding director of Cambridge Enterprise and the University's first Director of Postdoctoral Affairs.

Chris was born on 11 November 1957 in Fulford, York, to farmers Norman and Barbara, and went to Selby Grammar School before studying Natural Sciences at St John's, Cambridge. After a year-long stint at Brown University in Rhode Island, he took up a Junior Research Fellowship at King's in 1983, enjoying his time at the College without ever feeling particularly integrated. He resigned his Fellowship a year early in 1986, after being offered a post at Christ's College as Director of Studies to more than 40 Chemistry undergraduates, feeling that the opportunity was the kind of challenge he wanted to meet.

For many years, Chris was a leading figure in the field of biological chemistry and responsible for significant advances. A major focus of his highly interdisciplinary research was to understand the mechanisms of key enzymes and develop approaches to their inhibition, work that opened the way toward new treatments for diseases such as tuberculosis, cystic fibrosis and cancer. The advances he made in fragment-based drug discovery led him to found Astex Pharmaceuticals in 1999, bringing drugs to the market.

Chris also made major contributions to the development of microfluidic microdroplets as a platform for experimental science, with applications in cell biology, chemistry and materials science. This interest resulted in the co-founding of two more spin-outs, Sphere Fluidics in 2010 and Aqdot in 2013. Chris was named a Fellow of the Academy of Medical Sciences in 2012 and a Fellow of the Royal Society in 2016.

Astex and his other companies fitted into Chris's enthusiasm for interdisciplinary working, and he gained great satisfaction from seeing

opportunities brought to fruition. Although he did not chase recognition, Chris accumulated it through finding worthwhile challenges and creating solutions to them. He used his experience to help launch Cambridge Enterprise, the University-owned company that helps commercialise research, of which he was a founding director and a member of the investment committee.

As a personality, Chris was generous, warm and interested in people, with the skill of rising above rather than dwelling on anything that he could not control. He respected those who could make a cogent argument, while at the same time maintaining a sense of loyalty to the things and people who mattered to him. He felt it was important to listen to different views and particularly excelled in quietly building consensus, always starting conversations with a smile and feeling that he was in committees to learn rather than to instruct. Chris enjoyed relaxing with crosswords, country walks, bridge, cycling and watching cricket. Sport and exercise were big parts of his life, and encouraged by the Australian visiting professor Max Crossley, he ran his first marathon at the age of 47, eventually running nine, including Paris, Boston, Amsterdam and Tokyo. Twice a year Chris and his wife Katherine also spent long weekends in Stratford-upon-Avon to take in plays by the Royal Shakespeare Company. Their son Daniel also studied Natural Sciences at Cambridge.

Chris died on 26 October 2020. During his lifetime he had been Chair of the Nursery Project Board, working to ease the pressure of the existing nurseries by providing another just off Hills Road for the children of university staff and students; the Chris Abell Day Nursery was opened in January 2022.

HORACE BASIL BARLOW (1954) was a leading neuroscientist who made significant contributions to our understanding of how the brain enables us to see. He discovered how individual neurons influence the way in which animals process visual stimuli so that they can interpret perceptions such as movement, speed, colour and position. Through developing

an understanding of what is involved when the brain understands that something is being seen, Horace was able to identify how different aspects of physiology serve to make sight possible. His theoretical and empirical contributions to scientific understanding of brain function have inspired and influenced a huge range of neuroscientists and psychologists.

Early developments in computer science inspired Horace in his understanding of how visual signals should be understood as data that the brain needs to process. He developed the idea that the brain works efficiently, processing only the information that meets its needs and filtering out 'redundant' information, with the result that, for example, the frog can focus its attention on the movement of the fly rather than on all the other visual information around it. In this way the brain learns, using its past experience, not only to filter out unnecessary information but also to fill in gaps when the visual data is only partial. His later work extended the understanding of individual neurons of the retina and the visual centres of the brain to explore how they were capable of modifying their responses, rather than being hard-wired to work in only one fixed way.

Horace came from a distinguished lineage of scientists and thinkers. He was the youngest of six children, born in Chesham Bois in Buckinghamshire, to Sir Alan Barlow, a civil servant with an expertise in Chinese ceramics, and Nora Darwin, a granddaughter of Charles Darwin. Through this family tree, Horace was related to Josiah Wedgwood, Gwen Raverat, Ralph Vaughan-Williams, F.M. Cornford and many other eminent men and women. Horace attributed his own interest in science to his mother, a gifted scientist who always encouraged the children to look closely and to ask questions about why things are as they are. Nora worked in plant genetics before her marriage, studying at Cambridge and producing some important papers with William Bateson. She became Darwin's biographer, piecing together the 1930 *Diary of the Beagle* from his unpublished memoirs.

Horace was educated at Winchester, where he was surrounded by outstanding mathematicians who influenced his enthusiasm for mathematical rigour in scientific work. He then went on to study Natural

Sciences at Trinity College, Cambridge, where his Director of Studies was the eminent biophysicist William Rushton. Rushton was at the forefront of neurophysiology and of colour science and was a significant inspiration for Horace, especially because of the way in which he did not look at groups of cells or at systems in isolation, but aimed to understand the whole process and encouraged his students to think in the same way.

During the war years, Horace studied medicine, first at Cambridge and then at Harvard Medical School on a Rockefeller Scholarship, before coming back to Cambridge to continue his education and research into neurophysiology under Edgar Adrian. Even at this early stage of his academic life, Horace was fascinated by the embryonic field of computing, stimulated by the appearance in 1948 of Norbert Wiener's book *Cybernetics*. He founded a debating club in which Wiener's ideas were discussed by those who had already started to think along similar lines. Horace's skills and insights were appreciated and he took up various positions at Cambridge, including at King's where he was a Fellow and Lecturer from 1954 to 1964, before moving on to become Professor of Physiological Optics and Physiology at the University of California, Berkeley. Once he returned to Cambridge he held a Royal Society research professorship from 1973 to 1987 and a fellowship of Trinity College, and continued for the rest of his life to collaborate, write and give stimulating talks, as well as enjoying the company and conviviality of Cambridge high tables. He received many awards and honours, including his Fellowship of the Royal Society and its Royal Medal, and also the highest honour of the Society for Neuroscience, the Ralph W. Gerard Prize, which was awarded to him in 2006.

Horace had the skill of making difficult ideas understandable, and also an uncanny capacity for good guesswork, knowing how to base expectation on evidence and experience like a good gambler. He wrote with clarity and originality on topics such as intelligence, language, consciousness and cultural evolution. Perhaps more than any other visual scientist, Horace shaped the way people think about how the act of seeing depends on the underlying machinery of vision. His articulation of the single neuron

doctrine – that the activity of a single neuron could be significant for seeing – and the corollary idea that the visual stimuli to which a neuron is most sensitive could tell us about the neuron’s perceptual role, are now so much taken for granted that it is hard to appreciate the explanations that preceded them. Bringing together psychophysical and physiological insight to drive experimental measurement, his focus on understanding vision brought a clarity and incisiveness to the field of physiology unlike anything before it, with broad-ranging and fundamental implications.

In 1954, he married Ruthala Salaman and they had four daughters. The marriage ended in divorce, and in 1980 Horace married a technology transfer consultant, Miranda Weston-Smith, with whom he had two more daughters and a son, and eventually thirteen grandchildren. He died peacefully ten days after a stroke, on 5 July 2020, at the age of 98.

FRANCIS PATTON BRETHERTON (1962) was an applied mathematician and climate scientist who held a Fellowship at King’s from 1962 to 1969.

Francis was born in Oxford in 1935, where his father was a professor of economics at Wadham College and his mother looked after Francis and his siblings. At the age of four, Francis was playing on rocks near some deep water when he saw a piece of wood floating by. He reasoned that if the wood could float, so could he if he hung on to it, and so he jumped in out of his depth. Fortunately, his father rescued him, and Francis discovered that not all seemingly rational experiments have the expected outcome and some require further study. He was a particularly clever boy, always at the top of his class, with his siblings especially in awe of his mathematical talents.

After the war, the family moved to the outskirts of London, and Francis was sent to boarding school near Canterbury, where he continued to excel in maths, learned to play rugby, and remembered always being horribly cold in the winter. In the summers, he and his siblings helped their mother with the orchard, the vegetable gardening and the chickens and geese at home to supplement ongoing food rationing. From there, Francis

moved on a scholarship to Clifton College, where he thrived, and was encouraged to take part in school Shakespeare productions and take up music. He joined a society for meteorology enthusiasts who got up early every morning to pin a weather bulletin to a noticeboard; Francis was responsible for one memorable forecast which was met with some derision by his peers, reading ‘It will be dry today unless it rains.’

In December 1952, Francis travelled in thick fog to Cambridge to take the entrance exam at Trinity College, and was awarded a scholarship, which he chose to defer in order to complete his National Service. There was a sixth month gap to fill between the end of his school years and joining the military, and arrangements were made for him to attend a school in Gräfelfing, near Munich, where he learned to speak fluent German remarkably quickly. It was there that he also met his future wife Inge, who had recently returned from an exchange in Philadelphia, complete with bobby socks, cuffed jeans and American accented English. They went to dances together, had study dates in which they translated poems, and parted at the end of Francis’ exchange with promises to write to each other.

On turning eighteen, Francis was called up for his two years of service, first in the Royal Artillery before being selected for Officer Cadet School, and later being transferred to the Royal Corps of Signals at Catterick in North Yorkshire. At the end of his training he was given the choice of where to be posted, and naturally returned to Germany, writing to Inge almost daily.

Francis returned to Cambridge in 1955, studying applied mathematics with a concentration on fluid dynamics. It took him two years to engineer another encounter with Inge; in the summer of 1957, he headed unannounced for Geneva where Inge was working, and their eyes met, before Francis also spotted the boyfriend walking beside her. Nevertheless, the relationship was rekindled, and Inge came to Cambridge for the Trinity May Ball. Before long they were married, and baby Chris arrived in due course, followed by Monica, on the day Francis was due to hand in his PhD thesis. Fortunately his supervisors thought that his presence at the labour ward was sufficient excuse to justify an extension of the deadline.

In 1962, once Francis had received his doctoral degree, he was offered a Fellowship at King's, beginning his career of pioneering research into geophysical fluid dynamics. Though an excellent lecturer, he would sometimes make mistakes on the blackboard. One day, one of the students brought in a number of dunce hats to be distributed around the lecture room. After some minutes, Francis made a mistake and everyone donned the hats and started laughing. Francis corrected the error, but didn't turn around. The laughter continued, and he thought he had made a second error and so started laughing too. Finally, he turned around and worked out what was going on. He was handed a dunce hat and generously wore it for the rest of the lecture.

Francis moved in 1969 to Johns Hopkins University as Professor of Earth and Planetary Sciences. The move to the US was quite a change; the family moved into a leafy street where oranges dropped off the trees in the summer and there was freezing rain in the winter. There were new customs and new friends to get used to. A highlight was a family trip to Maryland in March 1970 to admire a solar eclipse.

Francis was invited in 1973 to serve as President of the University Corporation of Atmospheric Research in Boulder, Colorado, and the following year as Director of the National Center for Atmospheric Research, positions he held concurrently until 1980, when he moved on to chair an interdisciplinary committee of scientists to advise the US government on earth-related research projects. Each morning, Francis would hike 600 feet up a beautiful trail from his house on the hillside through grassy deer-filled meadows and vanilla-scented ponderosa pine trees to get to work. He was very proud to keep the commute time below fifteen minutes, a considerable achievement given the gradient of the walk.

At this time Francis was expanding his scientific interests from the atmosphere to the oceans; he helped to organise a well-known study observing undersea ocean eddies. The rest of the family were delighted to go along for a month-long vacation on pink sandy beaches in Bermuda – until they were roasted to a crisp when the sunscreen washed off and had

to batten down the hatches in the teeth of a freak hurricane. Two seminal reports presented a multidisciplinary vision of the earth's environment and climate as a set of interlinked components; their recommendations led to a Presidential Initiative in 1989 to establish a US Global Change Research Program; it also facilitated NASA's development of an Earth Observing System from space.

In 1988, Francis became Director of the Space Science and Engineering Center and Professor of Atmospheric and Oceanic Sciences at the University of Wisconsin-Madison. During his time at the Space Science and Engineering Center, he became very concerned about data conservation for climate research. Mountains of satellite data had been collected in various government agencies and academic institutions, and were becoming become inaccessible to other scientists because they were recorded on magnetic tape. Francis set about raising funds to rescue the data and digitise it with appended metadata. At the time, others did not consider this a pressing issue, but his work won him widespread recognition, including awards from the Royal Meteorological Society, the American Meteorological Society, and the World Meteorological Organisation.

Francis' success as a scientist was not only due to his wide-ranging understanding but also to his enormous integrity and a primary concern for doing and supporting science, rather than on using his positions to further his own scientific reputation. He mentored an impressive group of graduate students who went on to influential careers of their own, and was fondly known for his lively conversations, unmatched socks, and his booming voice which never needed a sound system in lecture halls.

Francis was a loving husband and father, very supportive of Inge's studies and career in psychology. He retired in 2001, and he and Inge continued to live in Madison, while enjoying travel, classical music and the outdoors. In 2017, the couple moved to St Louis, Missouri, to be closer to family. After a period of declining health, Francis died on 27 June 2021.

DENIS DONOGHUE (1965) was an Irish literary critic who strongly opposed what he termed the ‘political turn in criticism’, favouring a more traditionalist approach.

Denis was born in 1928 in the Irish market town of Tullow, County Carlow, and raised in Warrenpoint, County Down, where his father was stationed as a sergeant in the Royal Ulster Constabulary. He was a boy soprano with an excellent voice, and made a wax recording of his singing at Waltons music shop in Dublin. After an education with the Christian Brothers’ School in Newry, Denis went on to study for a BA in Latin and English at University College, Dublin, combining his studies with lessons in lieder singing and music theory at the Royal Irish Academy of Music. He had hoped to study for a career in law, but soon realised that he lacked both the finances and the contacts required for success.

A Master’s and PhD followed, during which Denis worked in the Civil Service as an administrative officer in the Department of Finance. Unenamoured by the work, he was rescued by an offer of a post at UCD as an assistant lecturer in 1953. In 1965 he joined King’s as a Fellow, taking up a lectureship in the English Faculty. Having been led to expect a rapid promotion to a Readership in the Faculty, it came as an unpleasant surprise that the post was given to Raymond Williams instead, and Denis became disaffected. Nevertheless, he retained a fondness for Cambridge and his classes on modernist poetry were popular, more intimate affairs than those of other lecturers such as John Broadbent and Tony Tanner.

Denis soon returned to a Chair at UCD, where he was involved with the reorganisation of the English department and became the first professor of modern English and American literature. The quality of his publications brought the university unprecedented international prestige; they included a well-received study of Jonathan Swift and W.B. Yeats, and later, of Walter Pater and T.S. Eliot, whom Denis greatly admired. He was an impressive if somewhat intimidating figure, standing at six foot seven and able to extemporise his lectures without notes, with a rare command of the spoken word, incisive critical comment and a grand, orchestral voice. Academically,

he was a traditionalist at a time when literary criticism was being challenged by various schools of thought, and was particularly opposed to political interpretations of literature and revisionist historical criticism, as well as the trend of reading Irish literature through the lens of postcolonial theory. His argument was that a critic who reads through any kind of predetermined lens subjects the literature to a test of good behaviour, in which the reader has no intention of learning or being changed by what they have read. Denis made a distinction between eloquence in writing, where the purpose is to delight with beauty, and rhetoric, where the purpose is to convince, and argued that a political slant on literary criticism robs the work of its capacity for eloquence.

From 1979, as Henry James Chair of English and American letters at New York University, he largely shared his time between Dublin and New York. In New York he became heavily involved in the intellectual life of the city, serving as codirector of the Poetics Institute and becoming a Fellow of the New York Institute for the Humanities. Although he remained firmly attached to his Irish heritage he was a notable combatant in the American cultural wars of the Reagan years.

In 1951, Denis married Frances Rutledge, with whom he had eight children, including the novelist Emma Donoghue. From the early 1990s his partner was Melissa Malouf; they married after Frances’ death in 2018. Denis died at the age of 92 on 6 April 2021, survived by Melissa and his children.

NICHOLAS PROCTOR GOODISON (1955) had a highly successful career in business and banking, holding many influential roles including Chairman of TSB and Chairman of the London Stock Exchange, which he steered through the ‘Big Bang’ of 1986. As well as being a financier, he was also a notable art historian and collector, serving as Chairman of the Management Board of the Courtauld Institute of Art, a trustee of the Antiquarian Horological Society, the National Heritage Memorial Fund, the Crafts Council, the English National Opera, and many other institutions.

Nicholas was born into a stockbroking family. His grandfather had established the family firm, HE Goodison, which later became Quilter Goodison, and Nicholas' father carried it on, with a break while he served in the Navy during the War. Nicholas and his older brother Patrick enjoyed an affluent childhood, going on adventures on the Thames in their canoe and learning to sail on the River Waveney. The boys were educated at Marlborough College, where Nicholas' love of art began, inspired by the art master putting up a different picture each week. His studies of classical literature greatly increased this interest as they enabled him to understand depictions of classical scenes, knowing which gods were in the paintings and what they were doing. Nicholas sang in the school choirs and also became familiar with the major symphonies following his father's taste, developing his own fondness for church music, although he was not a religious person.

Nicholas came to King's as a scholar to read Classics, taught by Fellows such as John Raven (KC 1948), who interviewed him in the Gibbs Building. He kept up his singing and regularly visited the Fitzwilliam Museum; his interest in objects and their makers was stimulated by the fine collection of clocks. He also became a convert to opera, having overheard Wagner's *Tristan and Isolde* playing in another student's room along the corridor.

Nicholas entered the family firm in the late 1950s, at a time when the City was limited by tight exchange controls and the endemic weakness of the pound, joining the London Stock Exchange in 1962 and quickly rising through the ranks. Still, he kept an active hand in Quilter Goodison until it was bought by Commercial Union in 1988.

In 1976, he was thrust into the chairmanship of the London Stock Exchange after the death of the previous chairman from a heart attack. At 41, Nicholas was the youngest chairman and was dodging bullets from the start. The Stock Exchange was still a private club, while at the same time foreign banks and brokers were coming in to do business in the vibrant new Euromarkets. When the incoming Thatcher government unexpectedly scrapped exchange controls in October 1979, the Stock Exchange with its single capacity rule appeared out of step and uncompetitive. Nicholas

had seen this coming, and argued forcibly in favour of dual capacity; he also suggested that bringing foreigners into the club might help to raise the capital necessary to support international business. The Office of Fair Trading presented an obstacle but Nicholas had the support of the director of the Bank of England, and after the 1983 general election, Cecil Parkinson as trade secretary was more sympathetic, and Nicholas managed to win support for a deregulatory deal that transformed the City.

Nicholas was knighted in 1982, and four years later oversaw the major transformation of the market floor from face-to-face trading to the electronic system taken for granted today. On leaving the Stock Exchange in 1988, he accepted the chairmanship of TSB Group where he stayed until its merger in 1995, acting as deputy chairman of the Lloyds TSB group for a further five years.

Despite the intense pressure of steering the City through enormous reforms, Nicholas kept up his great interest in art. He had already written the first of six books about barometers before chairing the Stock Exchange, and continued to maintain important positions in the art world alongside his professional life. He had a lifelong interest in the clocks of Thomas Tompion, and this also led him to the furniture of the period, especially the work of Matthew Boulton who was an expert in ormolu, the craft of applying a gold and mercury amalgam to bronze objects – a subject on which Nicholas wrote a monograph in 1974. In 1976 he joined the committee of the National Art Collections Fund, becoming chairman ten years later – a role he continued until 2002. In 1977 he joined the board of the English National Opera where he stayed until 1998. He became Chairman of the Courtauld Institute of Art in 1982, serving until 2009, and was President of the Furniture History Society for 30 years. In recognition of his devotion to the arts, Nicholas was made a Fellow of the British Academy, the Society of Antiquaries, the Royal Society of Arts, and appointed a Chevalier of the Légion d'Honneur. Other awards followed, including an Honorary Fellowship at King's, awarded in 2001.

Nicholas married Judith Abel Smith, an expert on the furniture of Thomas Chippendale, in 1960, and they had a son Adam and two daughters,

Katharine and Rachel. Judith happened to be the first cousin of John Raven's wife Faith, and the couple first met on the croquet lawn at the Ravens' house in Shepreth. Nicholas and Judith were always very generous to the art world, including donating to the Fitzwilliam Museum one of the most important collections of modern crafts in the UK. The catalogue was published as *Contemporary British Crafts* and showcased over a hundred examples of glass, ceramics, furniture, jewellery and metalwork.

Nicholas' positions in finance and the arts gave him a unique understanding of museums and of the importance of building collections, the difficulties in sourcing funding and the problems faced by private individuals who wanted to make donations to museums. Quiet and determined, he had an enormous gift for chairmanship, and his strategic solutions to these problems were laid out in his independent enquiry, 'Saving Art for the Nation' in 2004, facilitating giving and government support. Nicholas died on 6 July 2021, survived by his wife and children.

STEPHAN JOHANNES KLASSEN (1996), a German Professor of Economics, was a Research Fellow at King's from 1997 to 1998. He died on 27 October 2020, after living with the incurable disease Amyotrophic Lateral Sclerosis (also known as motor neurone disease) for five years.

As a student at Harvard University, Stephan applied what economists call a computable general equilibrium model to the analysis of agriculture in Bolivia. He was given the highest mark for the quality of his work – *summa cum laude* – and was awarded the Allyn A. Young Prize for outstanding theses in economics. However, it was felt that Stephan's mind was being somewhat underused with such a tight focus, using a model that strays away from what happens in the real world, and so he was encouraged to look more broadly for his post-graduate research. After discussion, he landed on the issues of gender inequality and development strategies, which excited him because of its obvious application and potential for influencing positive change. This choice picked up an interest from his schooldays at the United World College in Montezuma, New Mexico,

where he had been admitted as the German representative amongst students from 70 different countries.

Stephan's postgraduate work on inequality and development, under the supervision of Nobel Laureate Amartya Sen, developed with speed. He was painstaking in his attention to detail, looking at the challenges of high relative mortality rates of girls and women compared with what could be expected given the observed mortality rates of boys and men, and seeing how historical research of what had happened in the past of now-rich countries such as Germany could shed light on the present. The subtitle of his PhD thesis was 'Lessons from the Past and Policy Issues for the Future'.

Before long, in Stephan the world had a new leader in gender-related economics. He influenced the field not only through his many publications but also in his guidance and supervision of the research of others. After positions at the World Bank in Washington DC, in South Africa, at King's and at the University of Munich, he joined the University of Göttingen in 2003. At Göttingen he created a renowned European centre for development economics and headed the Ibero-American Institute, as well as supervising 76 doctoral theses, writing numerous articles and book chapters, and eight books.

The focus of his work changed with the times. Happily, the differences in mortality rates between men and women began to decrease, but with advances in technology came the newfound ability to determine biological sex *in utero*, and consequently the emergence of sex-selective abortion. Stephan's work helped to clarify how gender inequality can be manifested in many different ways, and through his work he was able to enhance understanding of deprivation and of the chains of cause and effect that impact issues such as fertility and policies surrounding poverty and public health.

Stephan was passionately interested in putting the fruits of academic research into practice and provided policy advice to a huge number of international organisations. He was the only German member of the Committee for Development Policy, an advisory body to the United Nations; in this role he helped to develop the 2020 Agenda for Sustainable Development.

As well as being an outstanding academic, Stephan was also a kind, humble and grounded person. He was a staunch supporter of women in academia and in research, an exceptional mentor and a sensitive critic, who created a spirit of collaboration which led to the establishment of many worthwhile networks. When his progressing illness forced him to retire in 2019, colleagues and students travelled from all over the world to thank him for his contributions to their own successes and to wish him strength in coping with what lay ahead for him. On the occasion of his farewell lecture in 2019, the University established the Stephan Klasen Fellowship for young researchers from the Global South working in development economics. Despite all of the difficulties his illness put in his way, Stephan continued to be involved and committed to world development, and the lights in his office remained on until the University shut down in March 2020 because of coronavirus. He is survived by his wife Christine and four children, Lukas, Nicolas, Sophia and Jeremias.

ERIKA MARTA SWALES (1980) was a Fellow of King's for over 40 years and College Lecturer in German.

Erika, née Erika Meier, was born in Basel, Switzerland, on 8 September 1937. Already at school she excelled in languages and showed her extraordinary curiosity in other cultures; in her final year she wrote an extended essay on Confucius, and – to some surprise – was awarded a scholarship to study Chinese at the University of Washington in Seattle.

Erika made the most of her time there, leaving with a First in Chinese Studies, but returned to Basel in 1958 to study English, German and Philosophy. She devoted her doctoral research to nineteenth-century English drama and was awarded a DPhil in 1965. The next endeavour on which she set out was to write a book on Shakespeare, but on a research visit to England, Erika met Martin, and stayed. They married in 1966, spending happy years in Birmingham and then Toronto, where Martin took up academic posts and Erika, too, continued researching, teaching, tutoring and translating, while also raising their two children, Chris and Catherine.

When Martin was appointed Reader at King's College London in 1972, the couple returned to England and settled in Cambridge. Erika offered supervisions in German literature to Cambridge students from various Colleges and soon established herself as an inspirational, if exacting and at times formidable teacher.

In 1980, she was offered a Fellowship in German at King's, and in the years to come, the College became her spiritual home. She was always energetically and wholeheartedly devoted to her students and to collegiate life, and contributed widely to the King's community through membership of committees, where her intelligent irreverence helped cut through long-winded discussions.

In the early 1990s Erika became the first holder of the newly created post of Women's Tutor at King's. She took the role very seriously and even after retirement, remained concerned about the spirit of mutual support among female College members being kept alive through informal networks and joint activities. In this way she was an excellent role model in how you could be both a sharp thinker and warm, funny, and *human* at the same time.

More than anyone, however, it was the students who benefitted from Erika's care, support and extensive knowledge. She had an infectious enthusiasm for the literature of Lessing, Schiller and Kleist, giving inspirational supervisions and pushing students to achieve to the best of their abilities. In her own research, Erika was an influential thinker and commentator on some of the great canonical texts of German literature, known particularly for her work on Gottfried Keller, as well as her collaborative work with Martin on Goethe and Adalbert Stifter. Her insightful and lucid introductions to the writers that she worked on effortlessly and stylishly removed any barriers of understanding.

Erika died on 25 June 2021. Following her death the Erika Swales Fund was established to support the teaching and learning of German within King's, and to provide opportunities for students who would in the past have benefitted from the Erasmus programme.

**The Council records the death of the following
Non-Resident Members**

PETER JAMES ALLEN (1952) was born in 1931 in St Neots, and went to Huntingdon Grammar School before his National Service in the RAF. He came to King's to study Modern Languages in 1952, just after the death of his father William, and took an active part in the sporting life of the College as Captain of the Badminton Club and Secretary of both the Football and Cricket Club

In his final year Peter became engaged to Joan Smith, who often accompanied Peter and his friends to showings of the Marx Brothers films at the Arts Cinema; they had been at sixth form together and would enjoy over 70 years of love and friendship.

After graduation, Peter worked as a management trainee with Nabisco Foods, and then became a partner in a wholesale fruit and vegetable business, before deciding in 1961 to study for a PGCE and apply for teaching roles. Among his posts were jobs as Head of Upper School at Sheldon Heath Comprehensive in Birmingham, and fourteen years as Headmaster of Woodchurch High School in Birkenhead.

Peter and Joan travelled widely, often representing Rotary and Inner Wheel projects, for which Peter won a Paul Harris Fellowship. They began seeing the world by hitchhiking and finished with two musical cruises with Richard Baker (KC 1959). Peter's love of music sustained him throughout his life and he played the piano for at least two hours daily.

Having coped with dementia for over ten years, Peter was admitted to hospital with pneumonia and was found to have an inoperable cancer. He died a week later on 16 February 2020, survived by Joan, a daughter, a son and five grandchildren.

PHILIP NICHOLAS BAGENAL (1968) became a recording engineer who designed and set up the well-regarded Eastcote Studios in West London, used by many prominent artists in the music world.

Philip came to King's from Bryanston School, as one of a group of half a dozen undergraduates embarking on the five-year diploma course at the School of Architecture at Scroope Terrace. At Bryanston he had developed a reputation for being congenitally untidy and undisciplined, with his housemaster taking particular issue with his reluctance to stop smoking and what he termed his "grotesque clothes". Spindly in stature and with poor eyesight, Philip was not a natural sportsman but took a keen interest in all the arts, displaying exceptional artistic and constructive skill in building a harpsichord.

Quick-witted and popular, his reputation at King's was swiftly enhanced on the release in December 1968 of Lindsay Anderson's film *If...* in which Philip played the minor but very memorable role of the bespectacled schoolboy Peanuts. His height, long hair and home-made velvet trousers made him an instantly recognisable figure.

In Cambridge in 1968, only months after the student protests in Paris that brought the French economy to a halt, there was a heady sense of change in the air. Students at the School of Architecture were designing social housing to replace the tower blocks of the 1950s and 60s, or so they hoped. Tom Wolfe had just published *The Electric Kool-Aid Acid Test*, and Pink Floyd played at the School of Architecture's Christmas Ball, their equipment taking up most of the small lecture hall. Those in charge at King's were wise enough to recognise and accept the mood of the times: formal dinner in Hall had by then been abandoned in favour of a cafeteria; the large bar was installed with orange booths and Eero Saarinen furniture; the artist-in-residence scheme got under way with the arrival of Mark Lancaster; girlfriends staying overnight in rooms were quietly tolerated, as were other subversive behaviours of various forms.

Philip and his friends swiftly formed relationships that were to last a lifetime. Conversations went on late into the night and often resulted in

sleeping bags being rolled out on the floor of someone's room rather than a retreat back to scattered hostels. Philip's room at the top of S staircase in Bodley's Court in his second and third years became very much a social hub; the large corridor outside was annexed as a dining room, with Philip exercising his culinary skills on a gas ring in the gyp room. His memorable 21st birthday party took place on the flat roof outside, accessed through the window.

After graduating, Philip pursued a career as an architect only briefly. His love of music and of the technology of recording and reproducing sound became more important to him. A self-built studio in a basement in Deptford led to his working with Ian Dury and the Blockheads, after which he set up, with the guitarist Chaz Jankel, the now revered Eastcote Studios in Kensal Road in North Kensington. In a space very reminiscent of his rooms at King's, Philip acted as a sound engineer, host, chef and mentor to a huge range of musicians and artists over the next forty years: The Pogues, Depeche Mode, Nina Hagen and Grace Jones were among those who worked there as it became one of the most important and influential of the London music studios. The space was described as having the atmosphere of an eccentric's living room, with large spaces carpeted with Persian rugs, endless cups of tea and huge windows looking on to a beautiful courtyard equipped with recording gear. Philip managed to create a messy sense of adventure that instantly made visitors want to experiment with new ideas.

In 1978 Philip married Esther Floud, the younger sister of one of his King's contemporaries, Andrew Floud (KC 1968). Eventually they settled in a house and vast garden on Shotover Hill on the edge of Oxford, home over the years to their four children and growing number of grandchildren.

At the age of 59, Philip was diagnosed with Parkinson's disease. It was several years before the illness began to take a serious toll, and he was able to continue to commute to Eastcote Studios and to record much award-winning music, becoming a central part of the Britpop scene with Placebo, Elastica and Suede. More recently Eastcote was, very amicably, acquired from Philip by the music producer Martin Terefe, and continues to flourish

as the place where a new generation of musicians, including Adele, the Arctic Monkeys, Kaiser Chiefs and Mumford and Sons, have created some of their albums, at least in part the result of its backstory and the collection of analogue recording equipment the Philip had acquired, restored and maintained over the years.

No longer being able to wield a soldering iron with precision was a huge frustration for Philip in his last years, as was the loss of physical strength to dig over his vegetable patch. Unable to do the tasks he was accustomed to being able to perform independently, on 30 June 2021 at the age of 71 he took the courageous decision to end his own life. His memorial service in his beloved garden at Shotover, where he is buried, was entirely characteristic of Philip and his family, full of stories and music.

WILLIAM DAVID BARTLETT (1977), known as David, was born in December 1930 in Pontypridd and educated at the local Grammar School. His intellectual abilities were evident early on, and his time at school was a happy one in which he developed an interest in modern languages and had his deep and abiding passion for writing poetry and short stories first kindled.

Leaving school at 15, David pursued a career in commercial signwriting and raise a family, while continuing to write creatively. Six of his plays were broadcast on the hour-long BBC radio programme *Afternoon Theatre* throughout the 1960s and 1970s, and at the age of 44 he decided to study for a diploma in English Literature and Philosophy at Coleg Harlech, financed by the Department of Education and Science. A summer school visit to King's followed, where he decided to apply to continue his education as a mature student in Cambridge.

Instantly affable and with an easy repartee, David thrived in the academic world, making many friends both young and old, and involving himself wholeheartedly in College life - especially where writing and the arts were concerned. Although his tendency to panic in examinations overshadowed his final grades, his essays demonstrated oratorical flourishes and

intelligent insights, and he was awarded the James Prize for his work entitled 'Last Words for Different Deaths' – an achievement which made him extremely proud.

Following his studies at King's, David returned to his family in Wales and continued to run a business in commercial art alongside writing poetry late into his eighties, until his sight failed. He died on 19 April 2019, survived by his wife Evelyn and two sons.

MICHAEL ADRIAN CARROLL (1953) was an author and traveller who developed a lifelong connection with the Greek island of Skopelos.

Michael was born in Norwich in 1935 and educated at Harrow School, but spent much of his early life in India, inspiring in him a love of travel which remained with him. A true romantic, his choice of King's was partly influenced by his delight in the poetry of Rupert Brooke. He was a gentle, sensitive person, highly intelligent, modest and with an infectious sense of humour. While at King's, Michael visited the Greek island of Kythera, walked from Cordova to Granada with a donkey, and with two King's contemporaries, John Hale-White and David Gaunt (and two donkeys), from the north coast of Crete over the White Mountains, descending to the south coast through the Samariá Gorge. In those days it was still possible to visit the main sites of Greece without paying for tickets, and to sleep out under the cliffs at Delphi near the Pierian Spring. They climbed Mount Parnassus, sleeping in a sheepfold, to see the dawn from the summit.

Directly after university, having been excused from National Service because of his stammer, Michael and David set out again in a long wheelbase Land Rover to drive to India and back. The route took them down the Dalmatian coast, across northern Greece to Istanbul and the Anatolian Plain to Ankara, then along the coast of the Black Sea to Trabzon, on to Mount Ararat and the Persian border. When they reached Afghanistan they were put under house arrest, as their visas, written in local script, had run out; but a passing Pakistani military attaché kindly

sorted things out, and the journey continued on to Kabul, through the Khyber Pass to Pakistan and beyond, to Delhi.

Once he was back in England in 1957, Michael settled down to write about some of his experiences., resulting in the publication of *From a Persian Teahouse*. The expedition also produced another result: on a short voyage by caique to visit Mount Athos, Michael began to envisage one day having his own boat in the Aegean, and now set about making this dream come true. He found some boatbuilders in Cornwall and soon *Astarte*, a distinctive clinker-built cutter with a poop deck instead of a cockpit, was launched in the spring of 1959. On her maiden voyage, she was sailed up channel to Chichester before being taken out to Greece via the French canals and around Calabria.

A year or so later *Astarte* set sail towards the Sporades. Mooring at the quay in Skopelos, Michael was met by the mayor, Vangelis Hannas, himself an experienced sea captain who spoke English and invited Michael for a hot shower, supper and the opportunity to see the bay of Panormos. Michael immediately fell in love with the bay and was able to buy a small plot of land there, where he built a house with a balcony braced out on wooden beams, inspired by the Greek monasteries of Mount Athos. It had a jetty where *Astarte* could be moored. Michael and Vangelis became lifelong friends, and Michael and his wife Angelina had two children, Justin and Xante, born on the island. Michael's second book, *Gates of the Wind* [reissued as *An Island in Greece*] came out in 1965, a sun-drenched tale of a life full of simple pleasures, governed by the seasons, and an homage to the island that harboured him.

In the late 1960s, Michael spent the winter in Rome, and began working for the United Nations Food and Agricultural Organisation. The job gave him financial stability as well as his second wife, and two more children, Max and Kimberley. But Michael's heart lay in Greece, where he felt he belonged. When he eventually sold the house on Skopelos, he retired to South London and then Chichester, where he wrote *Greece – a Literary Guide*. After a brutal last but short illness, he died on 4 November 2020.

DAVID BIRNIE ADAM EVANS (1949) was born in London in 1930 and educated at Aldenham School in Hertfordshire, where he was Head of his House and earned his colours for football and fives. He won an Exhibition to King's in Modern Languages, but first went to do his National Service in the Intelligence Corps, arriving in Cambridge to read French and German, before switching to Law, and playing hockey for the College. After graduation, he joined the merchant bank Singer & Friedlander for two years before tutoring at Ashridge College in Berkhamsted and moving back to the City as an arbitrageur.

Birnie soon found City life claustrophobic, so took on a job in Singapore as aide-de-camp to the Commissioner General for Southeast Asia, from whence he returned overland by Jeep. A move into management consultancy followed, with Birnie working throughout Europe and Algeria. He then completed a doctorate on Italian hill farming at New College, Oxford (1975–80), while simultaneously working at the Intervention Board for Agricultural Produce. His final eight working years, from 1983 to 1991, were spent as Agricultural Attaché at the British Embassy in Rome. Birnie was perhaps most admired by his friends for cycling back to Oxford, aged 70, from the family farm near Perugia, on an antediluvian bike with no gears and a painfully rigid saddle.

Birnie delighted in sports, theatre, carpentry, stone carving, travelling, discussion and music, where he was a major supporter and instigator of the family-friendly touring opera company Shoestring. He sang roles in Monteverdi, Mozart, Haydn and Rossini in Rome, Umbria and Oxfordshire – his deep bass voice a natural product of the Welsh hills.

He also had a talent for writing, and produced accounts of his Jeep and cycle journeys, poems for family milestones, and a Christmas letter renowned for its annual disasters and humorous exploits.

A determined and obstinate man ready to have a shot at everything, Birnie's final ten years were cruelly afflicted by multiple disabilities and an unpleasant form of Parkinson's disease. He bore these with immense

courage and not a little impatience; his death was precipitated by his insisting on sweeping up autumn leaves with an ancient broom, then falling and breaking his hip.

Birnie died on 21 February 2020, at the home in Oxfordshire that he shared with Claire, his wife from 1965.

DAVID RICHARD FIRTH (1951) died on 5 March 2021, at his home near Amherst, Nova Scotia.

The middle son of three, David was born in 1932 in Bradford, to Samuel, a Post Office telephone engineer, and Rheta Firth, a telephonist. He attended the local primary school and won a scholarship to Bradford Grammar School. Around 1949 he was selected, under a local industrialist's scheme, to make a visit to Canada. Where rationing and shortages still prevailed in the UK, David brought back tales of unbelievable plenty, with the liner's menus to prove them.

David was awarded a Foundation scholarship in Natural Sciences and came to King's in 1951. Red-headed with a distinct lack of conceit or self-consciousness, he had wide-ranging interests beyond the science laboratory. Always a keen cyclist, he and a handful of enthusiasts re-established the University Cycling Club, persuading one of the more venerable Cambridge dons, who had been a member in its 1890s heyday, to serve as President.

On graduation, David embarked on a Master's at the University of Toronto, then a PhD in particle physics at McGill University in Montreal. A series of research posts followed, at Harvard, in Seattle and in Vancouver. Devoted though he was to science, David had always had an interest in farming, stemming no doubt from summers spent harvesting in East Yorkshire, and from family connections with the valley of Nidderdale. In 1976, David gave up a position at McGill and moved to look for farmland. He set himself up in sheep farming, first on Prince Edward Island, and subsequently nearby

in Nova Scotia, his flock including a number of Bluefaced Leicesters, also known as Hexhams, a breed not well-known outside Britain. David's brother Robert, who lived in Hexham at the time, was asked to make enquiries of the breed association secretary about other flocks outside the UK. The reply came that it was thought there was a second flock somewhere in North America, but nobody was sure where. When Robert visited Nova Scotia, David was preparing to retire and was exporting the flock to a buyer in the French archipelago of Saint Pierre and Miquelon. Robert was dragooned into chasing the sheep all over a huge barn, much to the detriment of his new pair of Marks and Spencer trousers. With the help of family, friends and the local community, David farmed for twenty years, building barns and buying and selling sheep, which for a time were joined by cows and pigs.

Once he retired from farming, David turned his efforts to teaching science and mathematics in local elementary and junior high schools, which he enjoyed, opening his eyes to the challenges faced by young students and providing him with a rich vein of funny stories. He also taught physics for two terms at Mount Allison University in New Brunswick, plugging a gap while the department was looking for someone to fill the role more permanently.

David became a Canadian citizen, and in 1981 he married Rosemary Campbell, an American speech therapist, with whom he adopted two sons, brothers John and Jay. For some years David suffered from prostate cancer, which spread into his legs, leaving him immobile and in considerable pain. Under Canada's more liberal rules, he was able to take advantage of an assisted death, and made arrangements for his body to go to the medical school at Dalhousie University. David is survived by Rosemary, John, Jay, grandchildren and great-grandchildren, and his brother Robert.

URSZULA MAŁGORZATA TERES GATWARD (1991), known as Uschi, was a writer whose collection of short stories, *English Magic*, was published in September 2021, shortly after she received a diagnosis of terminal cancer.

Uschi was born in 1972 in Mile End, and brought up by her Maltese mother from the age of six, after her parents had separated. Her intellectual abilities were evident early on and she was given a fee-assisted place at Alleyn's School in Dulwich, where she was a reticent pupil but with a clear tenacity and depth of social conviction that impressed the school's headmaster Derek Fenner. At Alleyn's she displayed a particular sensitivity to literature and an exceptional vocabulary, which she deployed in making perceptive literary judgments and critical writing. With interests ranging from watercolour to animal rights, she arrived at King's to study English Literature, graduating in 1994.

Having long harboured a dream of owning her own theatre company, after graduating Uschi worked in community theatre, writing, producing and directing her own plays including for the New Wimbledon Theatre and Charles Cryer Theatre in Carshalton. Money, however, was tight, and she supported herself by working as a cleaner on the Heygate Estate in Elephant and Castle, where she had lived for part of her childhood.

In 2002, Uschi completed an MA in Creative Writing at the University of Sussex, before taking a job with Arts Council South East as a trade union representative, helping colleagues receive reasonable redundancy packages when the organisation was downsized in 2008. In that same year she married the artist Matthew Krishanu, with whom she had a daughter, Pearl. After Uschi herself left the Arts Council, the family moved to a council flat in East London managed by Bow Arts Trust and Poplar HARCA housing association, as part of a scheme set up to benefit local residents through the arts. From this home, she and Matthew ran workshops and put on exhibitions.

In 2010 Uschi wrote the first of the twelve short stories that make up *English Magic*, a collection which would later be shortlisted for the James Tait Black Memorial Prize, and which deal with themes relating to politics and collective action, the natural world, mysticism and ritual. Published by Galley Beggar Press, the stories of *English Magic* demonstrate Uschi's empathy with the powerless, overlooked and dispossessed; 'Lammas'

traces the 1892 popular demonstration against the erection of barriers on Leyton Marsh, while 'My Brother Is Back' is a fictionalised account of the release imprisonment of Talha Ahsan – a British man arrested under suspicion of being a terrorist who was extradited to the US and held in solitary confinement for over a year without trial.

Precise, restrained, and often unsettling, Uschi's stories reflected her own thoughtfulness and burning sense of justice. When asked what she thought the role of the writer was, she once said that she felt they were "there to help make sense of things, to keep notes, to bear witness, to offer a commentary and a critique, to add to the conversation, and to contribute to the permanent record." By the time her stories had been anthologised, she had won the 2015 Wasafiri New Writing Prize for 'My Brother Is Back', while 'Oh Whistle And' had been shortlisted for the White Review Short Story Prize.

Uschi's cancer diagnosis came in the same month as the publication of *English Magic* publication. Funny, sensitive, and able to cut to the chase with good humour and without apology, she remained purposeful and dedicated to the end. Uschi died on 30 December 2021, at the age of 49.

TIMOTHY RICHARD HALLIDAY (1967) was a British herpetologist and one of the world's foremost authorities on amphibians.

Born in September 1945, Tim was the youngest son of Jack and Edna Halliday, both of whom were employed at Marlborough College in Wiltshire: his father was a biology teacher whose enthusiasm for natural history was shared by Tim, who, as a boy, made a study of the seven species of leeches he collected in the local water meadows. Later, when his range of exploration was extended by bicycle, he became fascinated by the amphibians, especially newts, in local ponds. After attending New College School, Tim went on to Marlborough College, where he was delighted to be given a hardback book of cartridge paper for biological drawings, for which he had a talent.

As an undergraduate at New College, Oxford he read Zoology alongside Carolyn Wheeler, whom he had known since nursery school days and who would become his wife in 1970. After graduating, Tim continued onto a doctorate in the new and exciting field of animal behaviour in a group headed by Niko Tinbergen, and alongside people like Desmond Morris, Richard Dawkins and John Krebs. Tim was known as the 'newt man', studying courtship behaviour, and made a name for himself with an elegant diagram showing the complex sequence of behaviours which, if successful, resulted in the male's spermatophore being drawn up into the female's body, allowing fertilisation. This diagram found its way into many texts.

Tim came to King's in 1967 to study for his PGCE, before being appointed to a lectureship at the Open University in 1977, later becoming a professor and serving for some time as Head of Department. His interests turned increasingly towards conservation although he would usually describe himself as an extinction biologist. He was a member of the Council of the Zoological Society of London and of the Management Board of Whipsnade Zoo, where he later studied courtship in the large feral peafowl population; in 1978 he published his own book, *Vanishing Birds: Their Natural History and Conservation* for which he was both author and illustrator. Tim wrote many courses on comparative and evolutionary biology and neuroscience as well as continuing a busy programme of research alongside his conservation work. He was also an advisor for David Attenborough's programmes *Life on Earth* and *Life in Cold Blood*.

Tim was one of the prime movers for the first World Congress of Herpetology in 1989 at the University of Kent, Canterbury. While studying the courtship of British newts, he had noticed over the years the numbers in his study ponds had been falling. Discussions with other researchers led to the realisation that the decline was happening all over the world, impelling Tim to sound the alarm that amphibian species were in potential catastrophic freefall, with severe implications for the health of the planet. Following the Congress, he was then instrumental in the creation of the Declining Amphibian Populations Task Force, serving as its international

director from 1994 to 2006, collating population data and making grants to young researchers. One of those researchers discovered several new species of frog in a ravine near Kandy in Sri Lanka; the shrub frog *Pseudophilautus hallidayi* was named in Tim's honour, and Tim made a point of going to visit it.

Tim and Carolyn were an integral part of the life of the community of biologists in Oxford. They played host to many visiting scientists and loved to entertain, invariably including vegetables grown on Tim's allotment as part of a meal.

Just before Christmas 2016, Tim was diagnosed with a rare and fatal T-cell lymphoma. Possibly because of the 'steroid euphoria' occasioned by his chemotherapy, Tim experienced an unexpected surge of creativity, prolifically painting artworks that mostly depicted endangered amphibians and birds, raising thousands of pounds for lymphoma research in the process. As his disease progressed, he was presented with a special *Festschrift* edition of his journal *FrogLog*, made up of tributes from many former colleagues and students; Tim was astonished and touched by the warm tributes and reflections.

He died on 10 April 2019, survived by Carolyn and their children Sam, Alice and Jo.

GEOFFREY COLIN HARCOURT (1955) was an economist who had a prolific and distinguished academic career in both the UK and Australia.

Geoff was born in Melbourne in 1931 into a warm-hearted secular Jewish family; his father changed the family surname from Harkowitz to Harcourt principally so that he would be accepted into golf clubs and horse-racing circles. After struggling at school, Geoff excelled as a student of commerce at the University of Melbourne, where he was a member of Queen's College. It was at Melbourne that he developed a lifelong commitment to working towards alleviating hardship and against social and racial discrimination;

he later wrote that he became an economist because he hated injustice, unemployment and poverty.

While in Melbourne, Geoff met Joan Bartrop of Ballarat, whom he married straight after graduation, beginning a partnership that was to last for 66 years, producing two sons and two daughters. After winning a PhD scholarship to King's, Geoff and his new wife boarded the ship to the UK to begin their time in Cambridge. By that time Keynes had been dead for almost a decade, but his legacy was still thriving with his disciples, the so-called 'Keynes Circle'. Among the circle were global giants of economics in their own right, such as Nicholas Kaldor, Piero Sraffa, Richard Kahn and Joan Robinson. Although his relationships with Kaldor – his graduate supervisor – was strained, Geoff soon became a favourite of the Keynes Circle, in particular Joan Robinson. In later life he co-wrote Robinson's definitive intellectual biography, *Joan Robinson*, and like many others felt she should have been the first woman to win the Nobel Prize for Economics.

Across more than 30 books and 400 articles, Geoff made a substantial contribution to economic theory, critiquing, extending and refining the work of his contemporaries in a career that spanned almost 60 years. Possibly his most well-known and pivotal work was an article on the disagreements between the Keynes Circle in Cambridge and the economists at MIT in Cambridge, Massachusetts, which he published in 1969 in the *Journal of Economic Literature* as 'Some Cambridge Controversies in the Theory of Capital.' The debates went to the heart of the neo-classical economics model and the case for the efficiency of free markets; Geoff was a leading advocate of the post-Keynesian school of economics, and was praised as being a rare left-wing academic who had done his homework.

In 1957, the University of Adelaide appointed Geoff to a Lectureship and ten years later he was promoted to Professor. At Adelaide he was among the founders and editor of *Australian Economic Papers* which became a reference point for scholars throughout the world. Nevertheless, he regularly visited and lectured in Cambridge, taking up a post as a Fellow of Trinity Hall between 1964 and 1966, followed by other stints in 1972 and

1980. Then, in 1982, he moved permanently to the Cambridge, becoming a Reader in the Faculty of Economics and a Fellow of Jesus College, serving as its President between 1988 and 1992. On his retirement, he returned to Australia, where he was appointed Honorary Professor of Economics at the University of New South Wales in Sydney.

Geoff was not just an ivory tower academic, but thought that economics should go hand in hand with political activism. During the Vietnam War, he worked hard for the Campaign for Peace in Vietnam, convening meetings at his house and speaking on behalf of the campaign. Having become a socialist while studying in Melbourne, he joined the Australian Labour Party early in the 1950s and was approached to be a candidate in the 1969 Federal Election, following in the footsteps of Joan, who had been a political candidate in 1968.

As a lecturer Geoff was among the best, unceasingly funny and engaging while also meticulous, and mixing erudition with authenticity. But he also worked on some very practical projects such as the 1974 'Adelaide Plan', which proposed disallowing tax deductions for wage increases above a certain level as a means of reining in rampant inflation. Another part of the plan was trading off wage increases for personal income tax cuts. It was not adopted, but later found an echo in the policies of the Hawke government. In 1979, during the period of the Fraser coalition government, he drafted an economic policy programme for a future Labour government. He later joked that Hawke followed it 'for at least a good half-hour'.

Geoff cared for people even when they held very different views from his own. On the Council of the University Senate, he was skilful and sensitive with the way he could diffuse tension with a phrase or a joke.

Away from work, Geoff enjoyed his family, sketching in charcoal, watching drama, comedy and sport on the television, and reading novels, biographies and essays. He said that his most prized possession was a cricket bat signed by all the Cambridge economists (with Joan Robinson and Aubrey Silberston opening the batting) and ancillary staff, presented to him

when he left Cambridge at the end of 1966 to return to Adelaide. For his academic work, he was awarded the Companion of Honour in the Order of Australia in 2018, which cited his 'eminent service to higher education as an academic economist and author, particularly in the fields of post-Keynesian economics, capital theory and economic thought'.

In the last years of his life, Geoff lived in Sydney, although he continued to return to Cambridge to visit Jesus College. He died on 7 December 2021 at the age of 90, survived by Joan, his children Wendy, Robert, Tim and Rebecca and their families.

SYED AZMAT HASSAN (1963) was an Ambassador of Pakistan and university professor who studied for the Economics Tripos at King's.

Born in Lahore in 1944, Azmat arrived at King's in 1963 and fitted in from the start. He came from a distinguished Indian Civil Service family; his father Syed Fida Hassan had played a key part as civil servant and Minister in the 1947 Partition and in the early years of post-independence Pakistan, acting as the first Ambassador to India. He was also a keen cricketer and managed the first successful Pakistan cricket tour to England in 1954; Azmat himself was very keen on cricket, and would later be mentioned in *Wisden* as having introducing the game to Morocco while he was Ambassador there. At King's, Azmat played a full part in the sporting life of the College, playing tennis and table tennis – the latter a particular challenge in the mid-1960s, when they played home games in the barely six-foot-high basement of 'The Drain'. He also took an interest in other sports which the College played in true spirit, if not always to the highest standard, and was one of the nine hosts of the 'Rite of King's' event which replaced the May Ball in 1966.

On completing his studies, Azmat joined the Pakistani Foreign Service, with early postings in Rome and as the Deputy Permanent Secretary to the United Nations in New York. He was the perfect diplomat – polished, courteous and always looking the part – and further stints followed in Abu Dhabi and back

in the Ministry of Foreign Affairs, before he was appointed as Ambassador to Malaysia, Syria, and latterly Morocco in 1995. Influenced by his experiences of western democracies, however, by the turn of the century Azmat was becoming uncomfortable with what he saw as the dictatorial direction of the Pakistani government. So, at a time when he might have aspired to move on to the most senior positions within the Pakistan civil service, he resigned, moving with his family to the US to begin a second career as an academic. There he spent several years as a professor at Seton Hall University in New Jersey, later wryly commenting on the difficulty of teaching diplomacy to people who thought it meant relations between Washington and Alabama.

The transition to the US opened up opportunities for his family; his wife Shagufta embarked on a career as a counsellor, and their daughter gained a high-level legal education. On retirement from his US university post, Azmat and Shagufta moved to Florida, but after a while returned to Pakistan where Azmat took up a post at the Lahore University of Management Science and edited his father's incomplete memoirs as *Pakistan: The Promise of Early Years*, published in 2016.

Azmat was diagnosed with cancer in 2019 and died on 13 January 2020.

JOHN EDWARD HORE (1949) died peacefully on 5 May 2020 in Toronto, in his 91st year, during the coronavirus pandemic.

Born in Kingston upon Thames in 1929, and educated at Tiffin School, John had clear memories of sheltering with his parents while the Second World War raged nearby. He completed his National Service in Army Education in Singapore before coming to King's, where he was active in the Music Society and formed a Discussion Club, graduating in History in 1952. After two years working in the City of London, in 1954 he set sail for Canada, but although he lived and worked in Toronto for most of the next 66 years, he never lost his quintessential tweedy Englishness. Ever the gentleman, he always wore a blazer, including while riding in a welded aluminium boat in the open water on Georgian Bay on Lake Huron.

John was a Chartered Financial Analyst working in investment, financial education and mining. He was a member of a number of industry boards and associations, and the author of the book *Trading on Canadian Futures Markets* which went through five editions. John and his wife Diana loved their many friends in Toronto and London, and enjoyed visits to Kennebunkport in Maine, where Diana had spent summers as a child.

John was a passionate contributor to the St George's Society of Toronto, first set up to help immigrants from England and Wales, which had developed into a vital part of Toronto's charitable and cultural community. He was also a member of the Royal Overseas League, as well as the Arts and Letters Club of Toronto, the University Club and, for a time, the Georgian Peaks Ski Club.

John and Diana were married for 62 years and had three children and nine grandchildren.

PETER CLAVELL HORE (1958) grew up on Hutton Mount near Brentwood a much younger brother to his two sisters, Annette and Patricia. During his school holidays he joined biking tours in the Alps, awakening his passion for travel and teaching him perseverance, with reassuring chuffing noises employed if the way was particularly steep.

From Sherborne School, where he was head of house, Peter won a Shell scholarship and a place at King's. Before arriving in Cambridge, however, he first did his National Service in Germany with the Royal Engineers, where the company of other soldiers was an eye-opening source of both fascination and anecdotes. At King's, Peter studied Natural Sciences, but his most significant task was being detailed to show the sights of the city to a series of *au pairs* in the employment of his sisters. One of these, a German called Inga, would become his wife in 1964.

Over the ensuing years Peter and Inga moved house a dizzying number of times in pursuit of Peter's career, and the family expanded to include

Patrick, born in Felixstowe in 1967, and Tessa in Bristol in 1971. On moving back to Felixstowe, Peter settled as Director of Finance at Fisons Fertilisers (later Norsk Hydro), working from his huge office overlooking the North Sea and being served silver-service tea every day at 3pm, always with one biscuit only. Moving to Broomhill, a six-bedroom Edwardian house in Woodbridge where they lived for the last 36 years, Peter joined the Fisons company board. His business travel was extensive and exotic, including trips to India where he made loyal friends. Peter's love of trains prompted him to hire a private carriage attached to the scheduled overnight service from Bombay, a cheaper and much more attractive option than flying domestically. He also used his travel to meet up with family in South Africa, which he appreciated enormously.

By the time he was 57, Peter was able to retire. He spent his time happily with his family, his garden, travelling, attending concerts and plays, investing in the stock market and supporting the Red Cross. He became President of the Woodbridge Horticultural Society and was on the parochial church council in Ramsholt; he and Inga never seemed to have a quiet moment.

In March 2020 Peter was faced with terminal pancreatic cancer, which coincided with the national lockdown occasioned by the Covid-19 pandemic. He took comfort from the views over the Deben at Broomhill, where he was cared for by Inga and close family. Peter died on 7 June 2020, having just reached his 83rd birthday.

BJARNI BRAGI JÓNSSON (1957), who died on 1 July 2019 a week before his 91st birthday, was born in Reykjavik in 1928, one of four siblings. He graduated in Economics and Business at the University of Iceland before working at the Iceland Bank of Development. Applying to King's on a NATO Scholarship, Bjarni Bragi arrived in Cambridge to undertake a Diploma in Economics, with a particular emphasis on national accounting standards, and with his wife Rósa and three small children.

Returning to Iceland, Bjarni Bragi became Head of the National Accounts Department of the Icelandic Economic Institute in the 1960s, then Director General in 1969. Three years later he joined the Economic Development Institute as Director of the Planning department, alongside part-time roles as a visiting lecturer and as chairman of the state electricity board. After retirement, he chaired the Sigurður Nordal Institute, and in 1994 served as Governor for Iceland at the International Monetary Fund.

In later life both Bjarni Bragi and Rósa enjoyed going to exercise classes twice a week, singing in choirs for older people, and spending summers at their property in Seljar, surrounded by hills and lakes, where they shared good food with their guests. The expansion of the family as grandchildren and great-grandchildren were born was a source of real delight.

RICHARD THOMAS ALAN KIRBY (1969) was born on 11 July 1951 in Leicester, the son of a bus driver and the first in his family to attend university. He attended City of Leicester Boys' Grammar School before coming to King's, and often talked about his happy childhood. An early indication of his interest in numbers was his trainspotting activities; Richard ventured far and wide to collect engine numbers during the final years of steam in the 1960s, neatly recording the numbers in his trainspotting books.

Richard had a lifelong love of, and interest in, mathematics. This was an era when King's did well in the mathematical tripos and he was one of four members of his year from the College to achieve a first-class degree in mathematics in 1972. Despite all the hard work this involved, there was still time to enjoy social activities such as late-night bridge sessions, crosswords, curries with his friends, and the parties hosted by Ken Moody that he fondly recalled. He would later be a member of Sheffield Bridge Club for more than 25 years.

Richard spent an extra year at King's and during this time he met Carolyn, whom he married in August 1973. On leaving Cambridge he joined

the teaching profession, initially teaching mathematics at Chelmsford Grammar School, before taking up a post at Brentwood School.

Richard and Carolyn moved north in 1980 to live in Sheffield when Richard took up the post of Head of Mathematics at Mount St Mary's College at Spinkhill, Derbyshire. Despite being literally a first-class mathematician, Richard was not ambitious for himself but gave his best for his pupils and his family. He threw all his energy into passing on his knowledge and love of mathematics to the students whom he taught. Nevertheless, there was time during the school holidays when he and Carolyn, together with their two children Jessica and Rebecca, were able to go on holiday abroad, and in the 1980s and 1990s they had a number of camping holidays in France and other countries in Europe.

Towards the end of the 1990s, however, Richard began to experience the first stages of Parkinson's Disease and very reluctantly he decided that he would be unable to continue teaching to the high standards that he set himself and so took early retirement. Despite this he continued to maintain his interest in mathematics and related subjects, such as astronomy. He was involved with the Mathematical Association, in particular as a member of the Publications Committee, and also contributed to the Index for the Association's publication *The Mathematical Gazette*. Over the years he acquired an extensive collection of mathematics books, of which he had over 850. These were recorded meticulously in an alphabetical list by author, and the list also showed where these had been reviewed in *The Mathematical Gazette*, with the respective volume and page numbers. In April 2016 he received an award from the Association "for outstanding service to *The Mathematical Gazette* and the work of the Publications Committee".

Sadly Richard's condition deteriorated during 2021 and he died in hospital on 14 June. At his funeral on 6 July the tributes included two from contemporaries at King's: Mark Dowling (KC 1969) and Henry Langley (KC 1969). On the day of his funeral there was a very poignant moment when Carolyn received a delivery of beautiful flowers, cakes and biscuits

from Bettys of Harrogate that had been arranged by a number of his former pupils whom he had taught at Mount St Mary's.

CHRISTOPHER BRENDAN LEHANE (1957) was a journalist and author who wrote about the history and natural history of Ireland.

Brendan was born in West Finchley, London, where his father was a maths teacher. His parents were aspirational for their children, taking them abroad on holidays and teaching them music; Brendan's elder sister Maureen was to become a well-known mezzo soprano. Brendan went to Queen Elizabeth's grammar school in Barnet and from there to Eton, winning a bursary partly because of an essay he wrote on Samuel Johnson. Despite the contrast between his background and that of most of his contemporaries, Brendan was happy at Eton; he was adaptable and had an amiable nature that helped him make lasting friendships, becoming head of house and an enthusiastic rower.

Brendan came to King's on a Classics scholarship, first being commissioned for National Service in the King's Own Yorkshire Light Infantry with whom he served in Cyprus during its troubles. Those undergraduates who came to King's straight from school had great respect for those who had already seen active service, and Brendan had many stories to keep people entertained. He made friends with the photographers John Bulmer (KC 1957), Adrian Bridgewater and Peter Laurie, who together started what was probably the first student picture magazine, called *Image*, along the lines of the *Picture Post*.

After graduation Brendan worked freelance in photojournalism, in the age of the glossy magazine. He wrote for Michael Heseltine's *Man about Town* and became a chief contributor when *The Telegraph* started producing a colour magazine. He stayed with *The Telegraph* for twenty years and held his own among distinguished company which included Laurie Lee and Graham Greene. Brendan loved words and was endlessly curious and diligent in his research. His life's passion, however, was Ireland, where he

spent years, at first suffering in a Dublin bedsit that inspired his book *The Compleat Flea*. Having picked up fleas himself while living in the flat, he became intrigued by the creatures, both in a scientific way and as a literary metaphor, and wrote this whimsical little book as a result in the manner of a Victorian naturalist charting the history of dirt. Brendan's work *Companion Guide to Ireland* was well-received, as a practical but also very poetic read. This was followed with *Wild Ireland*, a lively and imaginative account of the country, and *Early Celtic Christianity*, a scholarly look at the period after the final collapse of the Roman Empire, when Ireland was a civilising force in Europe.

In 1968 he married Judy Urquhart, and they stayed together for six years. They decided to take on the challenge of living off the land in a remote corner of Exmoor, catching rabbits with snares and trout by tickling, but without the use of rods or guns. They planned to forage for berries, nuts and fungi when they were available. Unfortunately, they were not available very often, and after several weeks they emerged leaner and fitter but without any desire to repeat the experiment. They did, nevertheless, blaze a trail for the simple life which many others have followed.

Brendan was never good with money and lived a fairly precarious life, being hosted by friends and habitually broke. He was always a delightful companion, modest when modesty was unfashionable, always cheerful and ready to take an interest in anything that cropped up in his wide range of enthusiasms, from natural history to church architecture. He often house-sat in the Provost's Lodge at King's for the Batesons, looking after their exotic cats when they were away. Friends lent him cottages and eventually bought him one. In his last twenty years, when loneliness and poor health might have threatened, he was made welcome on a regular basis by his partner Joanna Bedford, the widow of John Anstey, his first editor at *The Telegraph*, in her farmhouse near Marlborough, which was at a convenient distance from his own cottage in Dorchester.

Brendan died on 6 November 2020.

GRIFFITH KNEATH LEWIS (1962) was born on 3 March 1943, to his steelworker father Gwynfor and mother Eurena, a farmer's daughter. He spent a happy and carefree childhood in the village of Y Crwys on the Gower Peninsula, not far from where his favourite poet, Dylan Thomas, was raised. A sister Kathleen was born two years later into the close-knit family, living in a traditional Welsh longhouse, 'Tirmynydd', on the edge of the village – totally lacking in basic amenities but more than making up for that with the warmth of its inhabitants. Adjacent to the village was Fairward Common where Griff and Kath would ride wild ponies bareback, and Gelli-Hir Wood where they built dens. Tor Bay was just a cycle ride away, where the siblings never failed to swim whenever Griff returned Wales, regardless of the season.

Griff loved sporting and other activities, excelling academically at Gowerton Boys' Grammar School, where he became Head Boy. Coming to King's in 1962, he quickly switched from Economics to History, and was determined to receive a broad education beyond the merely scholastic, taking up rowing and enthusiastically participating in the sporting life of the College. His principal focus in this regard was as captain of the Rugby Club, although his prowess on the field was not necessarily matched by his King's teammates. Whenever he was available, he would also turn out for the College football team under the captaincy of his friend Viv Thomas (KC 1963), forming an impermeable barrier in midfield alongside Neil Forsyth (KC 1962).

Griff was warm, constant, and had a great sense of humour; his rooms in both Garden Hostel and Bodley's became social hubs of conviviality, discussion and sherry drinking. Rugby matches would often be followed by an abundance of beer, cheese and bread, accompanied by conversations about philosophy, history, politics and literature, all seasoned with the spice of playfulness and laughter. He had a cheerful modesty, a disarming way of pricking pretensions, and took a deep and genuine interest in other people. His kindness, too, was evident: after a Rugby Club dinner, one of the players, Alwyn Thompson (KC 1962), made unplanned contact with a stone monument, necessitating a trip to Addenbrooke's in the early hours.

Griff characteristically took it upon himself to chaperone him to and from the hospital for repairs, making sure Alwyn (in his head bandage) had a prominent position in the team photo of the next day.

In his final year at Cambridge, Griff switched from History to Law, studying under the direction of Ken Polack, whose care and conscientiousness typified for Griff the ethos of King's – the Polacks' memorable sherry evening no doubt contributed to that sense. Travel also helped to cement friendships: six weeks were spent hitchhiking around Europe and sleeping on roofs, beaches and in fields with friends Mike Sevitt, (KC 1962), Richard Winter (KC 1962) and Brian Cope of St John's, taking in Venice, Piraeus, Corfu and Switzerland, before arriving penniless in Paris.

Immediately after graduation, Griff announced that he was planning on hitchhiking around the world, after a summer vacation in Oregon on a US exchange programme. With his friend Bob Lee (KC 1962), he then travelled up to Vancouver, crossing to New York then back west via New Orleans, the Grand Canyon and Las Vegas before winding up in San Francisco, where they found work washing dishes at the Jack Tar Hotel. In February 1966, eager to leave the States to avoid becoming eligible for the draft and a likely posting to Vietnam, Griff and Bob obtained a passage on the SS Cap Blanco, an 8,000 tonne German freighter bound for New Zealand with a cargo of fruit and howitzer shells. After three weeks of hard labour cleaning the deck and engine room, they arrived in Auckland, spending two months there before heading to Sydney on a Russian passenger ship. The following Saturday they saw the British Lions defeat Australia; rugby was never far away for Griff.

While Bob began working in Sydney, Griff was hired as a teacher at Port Kembla High School, 60 miles south of the city. Within a few weeks he met a fellow teacher, Carole Yeatman, who would subsequently become his wife and mother of their five boys. The family made their home in New South Wales, Griff embarking on a fulfilling career in the Australian Public Service, specialising in training and employment matters affecting indigenous people. Following early retirement in 1996, he undertook a

decade of consultancy work, continuing his efforts for the betterment of First Nation Australians.

Although he had made his home on the other side of the world, Griff did not take Australian citizenship – his home would always be Wales, for which he had an undying love and longing, or *hiraeth*. He prided himself on keeping up to date with the lives and achievements of his generation of Kingsmen, working his magic to keep his contemporaries in touch. College reunions were red-letter days and he would do his best to time visits to the UK to come to Cambridge and see friends, retaining an excellent memory for specific events and conversations from the past. He and Carole were generous in extending hospitality towards itinerant friends who happened to be visiting Australia, putting them up in their home in the Blue Mountains, although 'keeping house' was far from Griff's strong suit: he had an exasperating inability to cook, wash, iron or clean, preferring not to know. His family of five sons multiplied with partners and grandchildren, whom he loved, trying hard to keep up with their IT skills.

Griff was diagnosed with advanced prostate cancer in 2017, stoically dealing with the disease despite the frustrations it delivered. He died on 24 June 2021 in Katoomba Hospital, with his funeral service watched by lifelong friends from around the world. A large congregation attended a memorial service held in Y Crwys to pay their respects to one of their own who had departed the village 60 years prior, but not departed their hearts.

ANDREW JOHN WALTER FRANK LIEVEN-LIEVEN (1954) was born in Berlin on 23 September 1933, just as circumstances in Germany were becoming increasingly repressive and dangerous.

Both of Andrew's parents were actors, and in 1937 his Russian mother Tania managed to get a permit to travel and perform in the UK. A month later, his father Albert and the bewildered three-year-old Andrew boarded a train to join her, with just a single suitcase between them, leaving their home and everything else behind. Together, they built a new life in the UK

– Tania going on to work at the BBC and becoming one of the first female directors for Associated-Rediffusion, the independent television company covering London and the Home Counties.

During the Second World War, Andrew was evacuated to Yorkshire and attended Ackworth School near Pontefract. As a child of a German family, it was a tough time for him, contributing perhaps to his understated personality and tendency not to shout about his achievements in later life.

He then moved on to boarding school at St Edward's in Oxford, which he found generally uninspiring, but enjoyed playing cricket and rugby, and was a prominent voice in the debating society. When it came to National Service in the early 1950s, Andrew was reluctant to follow the expected, traditional path into the officer class, so he found himself posted to Kenya with the Army's Devonshire Regiment, at the height of the Mau Mau uprising against British colonial rule. Displaying an awareness and attitude ahead of his time, Andy, as he was known to his fellow soldiers, strongly supported the Kenyans' aspirations for independence.

He worked in the Army principally as a Paymaster, demonstrating his reliability in not only making sure that his colleagues were paid on time, but also taking on the role of trusted letter reader and writer for those less literate than himself. Occasionally he was called into frontline action, but, whenever asked to lead patrols, he would try to find out where the rebel forces were active, and then make sure his squad marched in the opposite direction. They would hole up somewhere safe and Andrew would read Dylan Thomas' *Under Milk Wood* to while away the time. This approach did not always guarantee safety, and once Andrew had to duck when the group came under fire, losing his spectacles in the process. When the coast was clear there was a row of bullet holes in the tree just behind the place where he had been standing.

After his National Service, he was able to take up his place at King's where he studied Modern Languages for two years before switching to English. At a darts match at The Mill pub, he was paired with Pam, another

Cambridge student, and after a few Sussex Merrydown ciders, Pam was emboldened to ask Andrew about the ring she had noticed on his left hand as he played. 'Are you married?' asked Pam. 'No, I just like to wear my ring on that finger,' he replied. 'Oh, I see,' said Pam, 'well, in that case, I'll marry you.' They were married in London on 28 December 1957, with just the two of them, Andrew's mother, two witnesses and the vicar and verger in attendance.

Through a teaching colleague of Pam's, the newlyweds were able to move into a bedsit with kitchen and bathroom in Highgate. Their landlord charged them no rent at all but sent them a very formal letter requesting that they did not play the radio too loudly. Their first child Sally was born while they lived there, but when they had a second child, Nick, it was time to move on. By this time, Andrew was having some success as an actor, performing everything from Shakespeare in repertory in Wolverhampton to pantomime and deadpan comedy roles in places like Paignton, Hornchurch and Cleethorpes. Alongside his father he was even among the cast of the 1961 war film *The Guns of Navarone* alongside some of the big names of Hollywood like Gregory Peck, Anthony Quinn and Richard Harris. As an actor Andrew would regularly get stage fright to the point of nausea before each week's shows, and was acutely aware that an actor was only as good as his last performance.

In an insecure profession and needing to support his family, Andrew took the opportunity to go and work in Uganda, to help set up the state educational television service there. It was a busy two years making high-quality programmes for broadcast to schools, with his efforts undermined only by the fact that many of the country's schools not only lacked televisions but also electricity.

As life for foreigners under President Amin became more difficult, Andrew and Pam decided to leave, arousing some suspicion as to their motives from the police, although they safely boarded a train from Mombasa. Back in the UK, Andrew took up a job with the Independent Broadcasting Authority at an office near Harrods, where again he oversaw educational

programme making, until he decided to leave because he was unhappy about ITV's decision to schedule horse racing during the day.

Andrew had some teaching experience as he had taken on supply work between acting jobs, and so he switched to teaching full time, at Bartholomew School in Eynsham, Oxfordshire, where he remained until his retirement. He and Pam lived happily in their house at Combe, where he loved tending his garden, watching cricket and visiting museums and galleries. Andrew died on 19 July 2021.

DAVID RAMSEY LUNN (1950) was born in 1930 at Elswick in Newcastle and brought up at Low Fell and Cullercoats, with schooling in Tynemouth. He came to King's to study History and then Theology, taking an interest in everything to do with the Chapel, and going on to Cuddesdon to train before his ordination in Newcastle Cathedral in 1955. This was followed by serving in parishes on Tyneside, before he was appointed as Chaplain and Sub-Dean of Lincoln Theological College, where the then Dean, Alan Webster, recognised his potential as a minister.

In 1970, in what David saw as a golden period of his ministry, he returned to his beloved home parish to be Vicar and then Rector of St George's, Cullercoats, where he spent ten years, serving also as Rural Dean for the last five. Then out of the blue in 1980 came an invitation to be Bishop of Sheffield. It was remarkably unusual to move to being a diocesan bishop from being a parish priest; before this appointment, David had only once visited Sheffield, on a bus from Rotherham.

Although some aspects of church administration were a burden for him – he was allegedly often the last to arrive and the first to leave at meetings of the General Synod – the seventeen years he spent in South Yorkshire were years in which David grew to love the area almost as much as he loved Tyneside. He was much respected by the clergy, as he made himself available and was supportive and encouraging of their work in the parish system. David valued the diversity and theological breadth of the Church of England, which meant that evangelicals and Anglo-Catholics felt equally supported.

David's stance on the ordination of women was not universally popular; he was very much driven by the fear that those who opposed it would feel themselves forced out of the church altogether. Despite his position, David nevertheless attended every ordination of women in his diocese and was the first to appoint a woman as deacon in charge of a parish.

The 1980s were a time of massive social and economic change, especially in South Yorkshire where the Thatcher government's decimation of the coal and steel industries had a profound effect on the lives and harmony of local communities, seeming to many to threaten the heart of their identity. As Bishop of Sheffield, David could be seen at the front of a miners' protest march in Rotherham, outspoken and unafraid to challenge what was happening. He much preferred this kind of encounter to dinner parties and nights out at the Cutlers' Hall.

David's diocese became an early home for inclusivity. Jim Cotter, a writer of many spiritual words and hymns who was also a founding member of the Lesbian and Gay Christian Movement, was a former colleague of David's at Lincoln, and was encouraged to set up a centre for spirituality in Sheffield where he wrote much of his work. The South Yorkshire Industrial Mission flourished and the Lincoln Theological Institute was founded in Sheffield under Martyn Percy.

A youth movement called the Nine O'Clock Service also gained a foothold in the diocese, attracting hundreds of young adults with its emphasis through liturgy and theology on the ecological future of the planet. In 1988, David sanctioned a move to a new site at Ponds Forge in the centre of Sheffield, and supported the movement's leader Chris Brain as he underwent ordination training. However, by the mid-1990s, allegations of sexual abuse had begun to surface, and David demanded Brain's resignation, bringing the Service to an abrupt end.

Another challenge in David's ministry was on 15 April 1989, when the Hillsborough disaster rocked the city. David went to the football ground, quietly encouraging and supporting the many clergy who were there to

offer help to bereaved families and those searching through the dead and injured to find their loved ones. Away from the public gaze, David invited representatives from all of the emergency services to Bishops court, so that they could meet and be listened to, together with the Archbishop of York, as a first step towards healing.

After seventeen years as Bishop, David stepped down in 1997. At the end of his time in Sheffield, he began a relationship with Esther and was married in 2002. They enjoyed bowls and Scrabble together in retirement, and David took up writing histories of the parishes of Sheffield, managing to complete four of the intended eight volumes. He was a keen and gifted horticulturalist, particularly keen on his roses. His increasing deafness and arthritis annoyed him but his mind remained sharp to the end of his life. David died on 17 July 2021.

MELANI ELAINE McCLURE (1978) was born in Northern Ireland in 1957, the eldest daughter of schoolteachers Jack and Eileen, and one of what turned out to be eight siblings, all accommodated in the busy bungalow that provided a somewhat chaotic backdrop to her early years. Eileen McClure dressed her children in fresh immaculate outfits twice a day, trained them to excel in everything they did, and held fierce aspirations on their behalf. Jack McClure fed them after the style of an army caterer, livening things up with the occasional game of ‘guess the ingredient’ or ‘greedy wee rabbit’. Mel learned ballet, read voraciously and carved out an independent identity for herself.

Mel attended the Catholic Rathmore Grammar School in suburban Belfast, surrounded by bomb scares, flared denim, pop music and cans of Tab. She was idealistic, clever, iconoclastic and very cool, taking a formative gap year in Brussels after her O-Levels and ultimately securing a place at King’s. There she read English under David Simpson and Norman Bryson, who described her eccentric writing style as being at times “torrential and gnostic”, at times “desperately pursuing respectability.” Her penchant for the lurid word was matched by an undoubted originality; one supervisor

reported how her essay on Shakespearean sonnets had taken the form of a dialogue between a cannibal and a mountain, with the supervisor adding a postscript to clarify that he was not under the influence of psychoactive substances, even if Mel might have been.

At King’s Mel pursued a deliberately unfashionable passion for the plays of Samuel Beckett, and got together with Andres, who went on to be her partner for more than ten years. After graduation they moved to London, living in some of the city’s most iconic buildings and making frequent deft moves throughout the property boom of the 1980s. Mel memorably painted all the doors in one flat in primary colours and festooned this sequence of exciting homes with beautiful, quirky objects collected on travels to Mexico and the Caribbean.

During this time Mel was an avid correspondent, with a distinctive drawing style and unmistakable handwriting. She always had a strikingly individual sense of fashion, and through the eighties and nineties loved to dress in bold colours, animal print, and her ubiquitous Doc Martens. On becoming a serious runner in the 2000s, she transferred this aesthetic onto a copious collection of sportswear – running tops in electric colours, technical leggings in snazzy designs, and numerous pairs of trainers which she put to impressive use, completing so many marathons and half marathons that the medals she acquired covered the entire back of her living room door in multiple layers. Her eldest brother Greg was a frequent running companion and they were a double act at many races, latterly triumphing in their respective ‘good for their age’ categories.

Mel took up running as therapy following the loss of her baby daughter India, and it turned out to be the abiding passion of her life. Mel loved to run because she knew it strengthened her bones, because it connected her to other people, and because of the absolute feeling of freedom it brought her.

An adoptive Londoner, it was in the capital that Mel spent most of her adult life. For many years she commuted across the city, getting the tube to Colindale when she worked for British Telecom in the 1980s. She was

an early adopter of the Sony Walkman, and knew her beloved Def Leppard and Guns N' Roses tapes so well that she could use them to navigate the length of the journey without looking up; she knew exactly at what point on each tape it would be time for her stop.

Mel was a West Ham United fan, a frequenter of Roman Road Market, a member of the Victoria Park Harriers and, in her last London residence, lived within earshot of Bow bells. In that house, too, she kept her indoor rabbits Max, Shaggypoo and Chaos, often found eating through cables, as well as the many rosettes they had won in the prodigious number of rabbit shows into which Mel had entered them.

Mel was immensely proud to serve for ten years as a Community Support Officer with the London Metropolitan Police. Once she had worked out how to avoid tipping rainwater onto her notebook from the rim of the *Juliet Bravo* hat, Mel loved her work in the Fulham Broadway Safer Neighbourhoods Team. Part of her role as PCSO was to get to know the community, a task which Mel threw herself into – she knew the local people and they definitely knew Mel! She was held in very high regard and hugely respected.

Later, Mel moved into the Schools and Engagement Team, where she worked with Voluntary Police Cadets and 'hard-to-reach' children, arranging competitions, events and camping holidays for them. Mel helped to set up 'Met-Track' in Hammersmith and Fulham, an initiative to spark in adolescents an interest in athletics; the scheme proved hugely successful. Mel also worked on 'Safe Camp' every school holiday – running workshops and events for young people who hadn't had many opportunities in life. Being Mel, she got them up and running – literally – and many of them stayed in touch for years afterwards.

The 2012 London Olympics was a uniquely exciting time for Mel. She relished the Games coming to her backyard, and the Queen Elizabeth Park in Stratford was within easy running distance of home. Mel's medal for her voluntary stewarding work during the games had pride of place in her collection.

Mel retired to Eastbourne, drawn by the sea air and the trail running along the South Downs Way, and was delighted to live in another iconic building, the South Cliff Tower, where she was made immediately welcome by the other residents of this so-called 'vertical village'. The Tower proved the ideal place to ride out the lockdown and Mel found a true home there with wonderfully supportive neighbours and staff.

A meticulous record-keeper, Mel chronicled her daily life in food diaries, exercise records and myriad lists. She loved to keep track of her running progress in detailed notes and was a dedicated devotee of the Garmin and its statistical output. Her running had a strong theoretical element, with numerous books and journals consulted, and Mel delighted in learning new skills – in particular those associated with enhancing health, such as Reiki healing, Nordic walking, meditation, mindfulness, and kombucha brewing.

Mel faced her short final illness with bravery and humour. She kept in constant touch with her siblings and friends using WhatsApp, swapping details of her ongoing treatment and keeping up with nephews and nieces. She spent her last days at St Wilfrid's Hospice in Eastbourne, to which Mel's vast, beautifully-kept collection of running clothes was later donated, so that her trainers and brightly-coloured shirts will still run around the Downs for years to come.

Those who knew Mel could attest to her massive generosity. As a sister, an auntie, a friend and a neighbour, she was a great giver of gifts. When youngest sister Lara (KC 1992) turned 40, Mel posted her 40 presents, each a day apart so that they arrived one at a time, each well-chosen and thoughtful. Her final gift to her family came in those last weeks, when she told them she wasn't afraid. Mel died on 7 October 2021.

CHRISTOPHER LESLIE GEORGE MALLABY (1956) was one of the UK's pre-eminent post-war diplomats, at the centre of activity surrounding the end of the Cold War and German reunification. He was also the first

to make a land crossing from UK to France, via the unfinished Channel Tunnel, arriving on foot into his role as Ambassador.

Christopher was born in London in 1936, the eldest of three children in a family with a tradition of public service. His father, Brigadier Aubertin Mallaby, was Deputy Director of Military Operations in the War Office and an uncle, Sir George Mallaby, became High Commissioner to New Zealand in the 1950s. During the war, Christopher went to live with his grandfather in Surrey, where he watched dogfights in the skies overhead and kept a collection of debris from shot-down aircraft. Later, his grandfather moved with the children to Devon where they learned to fish for salmon and to shoot rabbits. Meanwhile, his father had been transferred to the Indian Army but was murdered in October 1945 by Indonesian insurgents while trying to restore order to the recently liberated Dutch East Indies. To make ends meet, Christopher's mother Mollie took on work assembling air filters and wrote humorous columns for *Punch* and *The Times*.

After Woodcote House prep school in Surrey, Christopher was offered a bursary to Eton, where he excelled at languages. This was followed by National Service with the 9th Queen's Royal Lancers, serving with the British Army of the Rhine. On one occasion, his colonel decided to make a visit to the red-light district of Hamburg, on the dubious grounds that he might need to discipline soldiers who had misbehaved there. Christopher was ordered to accompany him as a translator. In a cabaret bar on the Reeperbahn they witnessed naked women riding on ponies around the tables. The colonel bellowed a significant price, in English, and the manager agreed. Then it transpired that the colonel, a keen polo player, was interested in the pony rather than the girl. Christopher helped with interpretation and the horse was duly bought and taken back in their Army truck.

At King's, Christopher read French and German, later switching to History. He was a voracious reader, sometimes finishing an entire novel in a day, often in French. He became interested in the origins of the Labour Party, although his own political stance was right of centre, a position he thought of as pragmatic.

Attracted by a job that would take him round the world, coupled with the family tradition of public service, diplomacy seemed an exciting possibility for a career. He joined the Foreign Office in 1959, starting his career by learning Russian, and his first diplomatic work was as a member of the British delegation to the UN in New York in 1960, where he witnessed Nikita Khrushchev bang the desk with his shoe in protest at accusations that the Soviet Union was swallowing up Eastern Europe.

A colleague introduced him to Pascale Thierry-Mieg, a French student whose father had worked for General de Gaulle. He proposed on platform 10 of Waterloo Station, and they were married in 1961. Unusually, this did not prevent Christopher from being sent to work in France; it was not usually allowed for diplomats to be sent to their spouses' countries in case it skewed their sympathies.

Christopher arrived in Moscow a few months later, as private secretary to the Ambassador, who identified him as a future star. He was serving as deputy cultural attaché, building friendships with Soviet artists, when the installation of nuclear missiles in Cuba triggered the most dangerous crisis of the Cold War. A posting to Berlin ensued, where he helped arrange David Hockney's first German exhibition, followed by a stint promoting British exports in New York, and back to Moscow in 1975. It was at that time that the adoption of the Helsinki Accords was beginning to help to ease east-west relations.

Christopher then spent time as head of arms control and disarmament at the Foreign and Commonwealth Office, until diverted by the Falklands conflict, during which he was asked to consider Britain's options in the south Atlantic. He would work again with Margaret Thatcher during the negotiation of the Anglo-Irish Agreement signed in 1985.

Christopher's first job as Ambassador was to West Germany in 1988. A fluent German speaker and already familiar with the country, it was nevertheless to his astonishment that the Berlin Wall came down the following year. Being a proponent of German re-unification, he found

himself unusually at odds with Thatcher, though he battled hard to reconcile the Prime Minister to the inevitability of the move, and in 1990 he became Ambassador of a united Germany.

His final posting was as Ambassador in Paris, where he had ample scope for promoting Anglo-French cooperation, working with François Mitterrand and Jacques Chirac, notably on British beef exports at the time of ‘mad cow disease’. The former health minister and Auschwitz survivor Simone Veil became a close friend, and Pamela Harriman, US ambassador, would slip through the garden gate between the two embassies for informal chats.

After his diplomatic career, Christopher became Chairman of the investment bank Warburg Dillon Read. He collected art, particularly watercolours, and was Chairman of the Somerset House Trust as well as a trustee of the Tate Gallery. He also served as deputy chairman of Reuters and chairman of the European Organisation for Research and Treatment of Cancer. He was knighted for his services in 1996, having received many other honours.

Christopher was the epitome of the British Ambassador: urbane, courteous, informed and fluent in many languages. Some people found him daunting but he had an attractive personality and was approachable, fun and interested in others. His lively memoir, *Living the Cold War*, provided a measured account of the life and manoeuvrings of a diplomat, as well as some prescient predictions about the world today.

Christopher died after a short illness on 28 February 2022. Pascale predeceased him in 2020; he is survived by his son Sebastian and three daughters, Emily, Julia and Charlotte.

FRANCIS GOODWIN MARKHAM (1958) and his younger brother John were born into a distinguished family in Bristol where their father was an aeronautical engineer. After a brief evacuation at the start of the Second World War they moved back in with their maternal grandfather

who was Vice-Chancellor of the University of Bristol. It was a busy household with the Vice-Chancellor entertaining local bigwigs at dinner parties, and just before his eighth birthday, Francis was proud to serve as a page to the University’s Chancellor, Winston Churchill, when he was given the freedom of the city.

Francis went to prep school at Winchester House, and from there he gained a scholarship to Eton. At school, he developed a love of poetry and play reading, which continued through his Cambridge days, as well as an interest in Scottish dancing, inspired by his mother. Somewhat ponderous as a youngster, he later used to tell, with great enjoyment, the story that his tutor at Eton had written him a reference when he applied to King’s, along the lines of: ‘It is to be hoped that when Francis becomes an undergraduate, he becomes a little less middle aged than he appeared as a schoolboy’.

Francis did his National Service, seconded to the King’s African Rifles, before coming to King’s to read Classics, making lasting friendships and playing bridge and tennis. On one occasion he returned from a convivial evening after midnight, in an era when the College would be locked at that time. Undeterred, and perhaps inspired by his military training, as much as emboldened by alcohol, Francis attempted to swing round the left side of the back gate. Unfortunately, instead of grasping the angled strut supporting the vertical railings, which was the accepted strategy, he held on to two of the railings and found himself slipping slowly but inexorably into the muddy depths of the moat.

King’s was followed by bachelor years in London, sharing flats in various locations including Hyde Park and Cromwell Road, until he married Diana Wilbraham in 1986, who enthusiastically joined in with Francis’ life of bridge, tennis and fine dining. During this time, Francis worked with the law firm Rowe and Maw, where he found his niche in the property team and became a well-liked lawyer concentrating on domestic transactions for private clients. He became known as the keeper of the firm’s conscience, a special supporter of the deserving underdog and always willing to question

the views of others to make sure they were temperate and fair. Francis was especially acclaimed for his expertise in the recruitment of trainees.

Parkinson's Disease made Francis' last years difficult, and he was fortunate to have the care of Diana who devoted herself to him completely. He died at the age of 83 on 9 January 2021.

JONATHAN ADDIS MIRSKY (1954) was a historian who became a prominent journalist best known for his observations on China.

Jonathan was born in 1932 in Manhattan, to Alfred (KC 1923), a prominent biochemist, and Reba Paeff, a musician and author of children's books. He said that his father was a violent man, and that he owed his stutter to beatings he had received as a child. Jonathan studied at the Fieldston School in New York and then Columbia University, where he earned a degree in History. Coming to King's for a year as a Columbia Evans Fellow to study Mandarin, he enjoyed his experience in Cambridge to the extent that he returned in 1956 for a further two years, before moving with his wife Betsy to Taiwan, where he studied the history of the Tang Dynasty.

His first marriage ended in divorce, and Jonathan married Rhona Pearson, a British neurobiologist, in 1963. He completed a PhD in Chinese History in 1966 at the University of Pennsylvania, and subsequently began teaching at Dartmouth College, where he was the co-director of the East Asia Language and Area Studies Center. While a professor at Dartmouth, he was active in the protest movement against the Vietnam War, travelling to Southeast Asia and interviewing North Vietnamese government officials at length. He participated in sit-ins and was arrested in 1972 along with others for blocking a bus carrying drafted military personnel. Jonathan was vocal in his opposition of the US strategy of isolating China in the years before Nixon and Kissinger visited Mao Zedong in 1972. He was never totally devoted in his personal admiration of Mao, but was prepared to be impressed when he first visited with a dozen other young China scholars, travelling around the country. However, after only a few days he

began to be more sceptical, and became convinced that their hosts were covering something up, much to the resentment of many of his colleagues.

Not long after arriving in the province of Guangdong, the visiting group was taken to meet what was described as a 'typical Chinese worker family'. Jonathan came away impressed by the nicely appointed home, apparent prosperity and lack of crime. The next morning, when he was on a stroll around the neighbourhood, he encountered the same father from that 'typical family', who invited Jonathan into his real home, a shabby apartment rather than the show home that had been set up by Chinese authorities for display to foreign visitors, and told Jonathan about the real crime rate. Jonathan returned to his hotel stunned, and from then on was suspicious of everything he was shown and told, later describing his change of mind in his contribution to the book *My First Trip to China*, for which he wrote a piece called 'From a Mao fan to a counter-revolutionary'. He said he had learned two lessons: firstly, that real life in China differed drastically from that shown by officials, and secondly, that the authorities did not like people to deviate from the script, including taking a walk outside their hotel unaccompanied. He was touched by the honesty and bravery of the ordinary Chinese people who did not hide the true state of affairs when they were not being monitored. This constant and active interrogation of his own assumptions became a hallmark of Jonathan's work.

Jonathan was not offered tenure at Dartmouth and so, in 1975, he and Rhona moved to London, where he secured a temporary post teaching Chinese History at Hatfield Polytechnic, where he had a tendency to row in public with some of his fellow lecturers. Despite his warmth he was a disputatious man and tended to dominate most of the gatherings he attended.

Leaving academia, Jonathan became a journalist, writing on Chinese-occupied Tibet for *The Observer* and making several visits which strengthened his criticism of Communist rule and what he saw as racial imperialism on the part of Han Chinese towards ethnic minorities. He and Rhona were divorced in 1986, and three years later Jonathan was in Beijing on 4 June 1989, to witness the Tiananmen Square crackdown,

where protests were being violently stamped out by the People's Liberation Army. Few at first realised the scale of the danger they were in; next to Jonathan was a student who told him not to worry about the flying bullets, as the soldiers were firing blanks. The next moment the student was dead, having been shot through the chest. Jonathan tried to leave the Square but ran into a group of armed police, who shouted at him to stop. He told them he was a journalist, but instead of reassuring them, they turned on him and told him they were going to kill him. He was severely beaten, his left arm was fractured and he lost many teeth; he was convinced he was going to die. But a British copytaker running out of the Square saw him and managed to lead him away. Jonathan was able to get his story to *The Observer* by phone; it appeared on the front page. The following day, he returned to Tiananmen Square, where, he said, he saw soldiers shooting parents looking for their children, and doctors and nurses who were trying to help the injured. For his coverage of the uprising, Jonathan was awarded the 1989 British Newspapers' International Reporter of the Year.

Jonathan was effectively expelled from China in 1991, after which he took up a post in Hong Kong, working as East Asia editor for *The Times*, where he was deeply critical of both Chinese Communist leaders and the Western governments (including that of the UK) who were prepared to overlook human rights abuses in order to preserve their economic ties with the country. Jonathan had no time for people who tried to excuse abuses with reference to China's long and historic culture, pointing out that Syria and Iran also had similarly long and historic cultures but were treated very differently. He resigned from his role at *The Times* in 1998 amid acrimony between Chris Patten and Rupert Murdoch over Patten's memoirs, believing that the newspaper was reducing its critical coverage of China to protect Murdoch's commercial interests.

Jonathan met Deborah Glass in Hong Kong, and they married in 1997, returning to London for his retirement, in which he wrote prolifically for the *New York Review of Books*, *The Spectator* and *Literary Review*, among other publications.

Jonathan could be great company, regaling his friends with anecdotes and an impressive stock of Jewish jokes, although his tendency to exaggerate and to take things personally could be wearing. He and Deborah separated in 2014 and she returned to her native Australia.

Jonathan died on 5 September 2021, at the age of 88.

JESSICA JANE MORRIS (1982) died on 8 June 2021 from glioblastoma, an aggressive form of brain cancer. Her experiences of living with the illness drove her to passionately campaign to give a voice to other people with the same condition, and for a more patient-directed approach to treatment.

Jessica was born in Greenwich, the daughter of Elizabeth Villar, a printmaker, and Bill Morris, an architect. Along with her brother Ben and sister Frances (KC 1978) she inherited her parents' talent for the visual, but Jessica's main passion was performance. At school at Haberdashers' Aske's Hatcham Girls' School, she was heavily involved in musical theatre, as well as getting up every Sunday without protest to sing in St Alfege's church choir in Greenwich until she was eighteen. She joined the children's troupe at the English National Opera for productions including *La Bohème* and Massenet's *Werther*. Another passion was driving: she learned to drive as soon as she turned seventeen and immediately appropriated her mother's Citroën 2CV.

At King's, Jessica read History and also met Ed Pilkington, who became her husband in 1993. After her graduation in 1985, she worked for six months as a painter and decorator in order to earn the money to fund an expedition to go coffee-picking in Nicaragua as part of the Nicaragua Solidarity Campaign. Originally intended as a six-week visit, she stayed for over a year, building houses for rural Nicaraguans displaced by the Contra War. Once she returned to the UK, Jessica realised that she had a facility for communication which could be put to good use in helping to articulate other people's needs. She worked for a time with charities such as the Refugee Council and the housing charity Shelter. Eventually she moved

to Fishburn Hedges, a PR company, but still managed to mix corporate work with the charitable sector, including the Spastics Society which she helped to rebrand as Scope. Once Jessica and Ed had their children – Felix, Tess and Emma – she worked privately, combining corporate work with public service clients. She chaired the Sheila McKechnie Foundation, working to support campaigners for social justice, helped reorganise the Equal Opportunities Commission, became head of corporate social responsibility at HMRC, and advised a number of companies about their social responsibility programmes.

In 2006, the family moved to New York, settling in the Park Slope area of Brooklyn. Ed eventually became chief reporter for the *Guardian US*, and in 2010, once the children were settled into education, Jessica returned to communications work with the Institute for Transportation and Development Policy, helping city authorities to develop sustainable transport provision. In 2013, she set up a New York branch of Fishburn, which in late 2015 merged with global firm Fleishman Hillard, with Jessica becoming Senior Vice President.

Within a month of the merger, Jessica was hiking with friends in the Catskill mountains in upstate New York when she first had worrying symptoms of brain cancer. She wanted to tell her companions that she was feeling inexplicably odd, but there was a disconnect between her desire to speak and the ability to do so. This developed into a full seizure, an ambulance ride and brain surgery. The diagnosis of glioblastoma came with a median survival time of fourteen months, with only one in twenty patients surviving for more than five years.

Aware of her prognosis, Jessica used her remaining time to educate herself about the illness, to spend time with her family, and to become an advocate for other sufferers, fighting for treatments that presented an alternative to surgery, radiotherapy and chemotherapy. She founded the nonprofit organisation Our Brain Bank, through which she campaigned for access to clinical trial, developed an app to track and report symptoms, and campaigned for treatment of more than just the tumour, pointing out

that patients who were suddenly confronted with a terminal prognosis needed psychological support as much as physical help. Over the course of her illness she kept an irreverent blog about her tumour, which she nicknamed “The Evil Fucker”, recorded a podcast with her son about her experiences of living with the disease, and wrote a memoir, *All in My Head*, published after her death.

Jessica died at home in Brooklyn at the age of 57, survived by her family. Typically, she donated her brain to medical research so that her work could continue.

MICHAEL BRUCE LEATHLEY NIGHTINGALE (1952) was born in Devizes in 1932, the eldest of five children and only son of an artist mother and a father who was Director of Music at Dauntsey’s School in Wiltshire. As a youngster Bruce worked hard to gain three musical awards, first as a chorister at St George’s, Windsor, through the Second World War, and then a music scholarship to Clifton College in Bristol, followed by his choral scholarship to King’s, which he took up in 1952 after two years of National Service in the Navy.

Bruce studied History and then Economics, graduating in 1956 and having been inspired by Nicholas Kaldor, Robin Marris and Noel Annan. He was Secretary of the University Musical Society, being himself a good performer on the cello, and demonstrated an early flair for administration. During those years he also much enjoyed punting on his home-built punt, and travel in Europe, helped by a King’s travel grant secured for him by the perspicacious Senior Tutor Patrick Wilkinson, who felt he would benefit from expanding his horizons.

As a result of his European adventure, globe-trotting became part of Bruce’s nature, and when he graduated, Wilkinson floated the idea of British Council work. Bruce took the Senior Tutor’s advice, although not until nine years later, spending the interim time as a District Administrator in the highlands of Mambila in Northern Nigeria, teaching a new Penal Code to Native Courts Judges in Niger Province, as a recruiter for Unilever

in London, and as a staff training officer for Clarks' shoe company in Somerset. During that time Bruce met his wife Diana at a music camp near Newbury on his first leave from Nigeria. The pair married in Ibadan, and began a family with the births of Sarah and Louise.

Bruce was not alone in being a late entrant to the British Council after earlier overseas experience, and his six postings abroad – punctuated by two in London – illustrated the versatility and resilience required. There were abrupt changes: from Malawi in its first five years of independence to Japan in the year of Expo 70, followed by three years back in London and the birth of daughter Jessica, Malaysia in its newly-industrialising phase, and Romania in decline under Ceauşescu. A stint in charge of the Film and Video department was followed by Finland through four annual cycles, and finally Ethiopia, covering the climax of the Civil War and regime changes.

Bruce was a slim man with a ready smile and an air of quiet competence. He was irrepressibly positive, approaching everything he did with brisk efficiency and gusto. As a mentor, he was endlessly encouraging, having the rare gift of directing while at the same time allowing juniors the space to learn and make their own mistakes. He took time to talk to new members of staff, and gave them incrementally challenging assignments to stretch them, rather than drowning them under the weight of new and unfamiliar work. Bruce and Diana were a strong team who threw wonderful dinners where professional relationships were forged and much important work was achieved.

Bruce retired in 1992 and was awarded an OBE. In retirement he wrote an autobiography, *Seven Rivers to Cross – A Mostly British Council Life*, published in 1996; worked for various voluntary organisations; conducted a choir; sang in several others; and enjoyed overseas travel with Diana. They visited their daughters and took much pleasure in the activities and achievements of seven grandchildren. Bruce was diagnosed with vascular dementia in 2015, and died peacefully at home on 18 March 2020.

PHILIP HARRISON OSWALD (1951) was born in London on 13 April 1933 to parents who were both missionaries in Nigeria. His father returned to Britain in 1935 to become vicar of several parishes within the Diocese of Norwich, and then in 1950 moved to West Sussex, to become Rector of St Margaret's Church Angmering.

During his studies at Eton, Philip took an early interest in botany and spent much of his spare time cycling to Burnham Beeches to see rare flowers. In the Easter holidays of 1950 and 1951 he stayed with his friend Marc Birchall at Duntisbourne Abbots in Gloucestershire, filling in his Field Botanist's Diary with descriptions of fritillaries, pasqueflowers, green hellebores and summer snowflakes. As an undergraduate at King's he continued his botanical interest, cycling to see lily-of-the-valley in White Wood, Gamlingay, and lizard orchids on the Devil's Ditch. The Lay Dean at King's, John Raven, both a classicist and a competent amateur botanist, encouraged Philip greatly in both fields, inviting Philip to join him and others in the Long Vacation of 1953 to botanise in Snowdonia, the Yorkshire Dales, Upper Teesdale and the Lake District.

Among Philip's principal undergraduate friends at King's were Roger Clark, Colin Nears, Roger Griffiths, Colin Harris and Nicholas Temperley, with whom he had also studied at Eton. The group of friends used to lunch together every weekday as the Boar's Head Club, for which they had a special tie made. After university, and having been turned down for a Russian course in the Royal Navy for his two years' National Service on account of a duodenal ulcer, Philip taught in various schools for six years, first in Horncastle, West Sussex, before an abortive attempt to teach at Victoria College in Cairo, a trip which was cut short after three and a half weeks by the Suez crisis of 1956. The staff at the College were put under house arrest, enabling Philip to get to know one of the staff of the Junior School, Janet Leigh, with whom he'd become engaged the following January.

Back in the UK Philip obtained a temporary teaching post in Latin and Greek at Uppingham School while Janet taught at a boys' preparatory school close to her home in Old Woking. After their marriage on 10 August

1957, Philip and Janet left Britain again in order for Philip to teach at the English School in Nicosia. During their time in Cyprus they were able to explore much of the island and to enjoy the sea around Kyrenia, as well as flying via Beirut to Jerusalem for Christmas in both 1957 and 1958, staying at the Anglican Cathedral and visiting Bethlehem, the Dead Sea, Jericho, Hebron, Amman and a Palestinian refugee camp. The following year their first daughter, Jane, was born in Nicosia.

Returning to Britain in the summer of 1960, Philip joined the staff of the Nature Conservancy (later Nature Conservancy Council), combining his duties with study at Stockport College of Further Education, where he obtained an A-Level in Botany and Zoology, qualifying him for the scientific civil service. A second child, Christopher, was born at home in Rostherne, Cheshire, in 1961, followed by a third, Clare, five years later.

Philip spent 30 years working for Nature Conservancy, moving from the day-to-day management of Rostherne Mere National Nature Reserve to environmental education work at Attingham Park, Shrewsbury in 1965. As Head of the Interpretative Branch he managed the agency's publications, exhibitions and media relations, becoming Head of Publicity in 1976, based back in Cambridgeshire, and finally from 1985 as Communications Officer of the Chief Scientist Directorate, co-ordinating its input to the NCC's publishing and publicity. Several of the scientific reports Philip edited were very influential, especially the 1987 *Birds, bogs and forestry: the peatlands of Caithness and Sutherland* and *The Flow Country* of the following year. As a result of the case made by these two publications, a substantial proportion of the peatlands was designated as a Ramsar site of international importance, ensuring the protection of much of the remaining peatland in Caithness and Sutherland from afforestation.

His various roles over the years at the NCC meant that Philip was co-opted to many committees, including as Secretary of the North-West Europe Committee of the Commission on Education of the International Union for Conservation of Nature and Natural Resources (IUCN). In July 1968 he was appointed as the first Secretary to the Council for Environmental

Education (CEE) in order to kick-start the new body before it had any staff, and later joined the Executive Committee of the Field Studies Council (FSC). As a result of his efforts Philip was appointed Honorary President of the National Association of Field Studies Officers (NAFSO).

In between work, Philip and Janet made many visits abroad, usually camping, until they were in their 80th year. Summer trips were generally to France, but in the spring they ventured further afield, especially to the Greek mainland, Portugal and Santiago de Compostela, taking a little dome tent, sleeping bags and lilos. Much of their time was spent searching for and photographing interesting flora (especially wild orchids) and Romanesque and Byzantine churches and chapels.

Shortly before his early retirement in 1991, when the NCC was disbanded, Philip visited the Orthodox Christian self-governing monastic peninsula of Mount Athos, on behalf of the World Wide Fund for Nature, to report on the ecological implications of a devastating forest fire which had burned for a fortnight in August of that year. His visits to the Holy Mountain revived Philip's interest in Modern Greek and soon after he joined a class under the auspices of Cambridge's University of the Third Age, later taking on a teaching role.

Many of Philip and Janet's friendships in Cambridge were made through the University Church at Great St Mary's, particularly with the members of a prayer group which met at their house in Panton Street. Philip served on the Parochial Church Council and was for a time a member of the Deanery Synod.

He remained actively involved in field botany both in Britain and abroad, and in 2020 celebrated 68 years of membership of the Botanical Society of the British Isles, now the Botanical Society of Britain and Ireland (BSBI), which elected him as an Honorary Member in 2008. For more than 30 years he served on its Publications Committee and was Honorary Editor of the BSBI's Handbooks, editing *Pondweeds*, *Sea Beans and Nickar Nuts*, *Dandelions*, *Sedges* (third edition) and *Water-starworts*. He also edited an annual local natural history journal, *Nature in Cambridgeshire*, for

22 years from 1979 and remained until the end of 2018 a member of its Editorial Board.

As an author, Philip wrote the historical chapters for books including page *Ecological Flora of the Shropshire Region* and *The Flora of Montgomeryshire*, as well as translating and editing John Ray's *Catalogus plantarum circa Cantabrigiam nascentium*, the result of which was *John Ray's Cambridge Catalogue (1660)* that won Philip and his collaborator Chris Preston the 2012 John Thackray Medal from the Society for the History of Natural History.

From 1976 until 2014 Philip and Janet lived at 33 Panton Street, a much-loved William IV terraced house on four floors (including the attic), but when managing the stairs became a problem they decided to downsize. They secure a seventh-floor penthouse flat on the south side of the Botanic Garden, nicknamed "the Oswald eyrie". In 2016 Janet's health began to fail, and after a diagnosis of vascular dementia in October 2019, she died in December of that year. Philip's own health also deteriorated with a diagnosis of metastatic prostate cancer in 2018. He died on 5 May 2021, survived by his children, four grandchildren and six great-grandchildren.

JAMES PESCHEK (1946) was born in Brampton, Huntingdonshire, in 1925, and quickly became involved in musical matters, singing as a chorister at All Saints, Margaret Street in Fitzrovia, an unusual instance where a parish church had its own choir school. In 1937, Jim was involved when the London churches and cathedral choirs all joined together at Westminster Abbey to form the choir that sang for the coronation of King George VI.

Jim's choral talent blossomed at The King's School, Canterbury, and from there he won a tenor Choral Scholarship to King's under Boris Ord. After King's, his first post was as Assistant Director of Music at Uppingham School, alongside further study at the Royal Academy of Music.

From Uppingham, Jim moved with his wife Anne and two young children to Monkton Combe School in 1960. Tall, handsome and articulate, with a wry sense of humour, he quickly made a favourable impression, setting high standards for all of his instrumental and choral ensembles, and enjoying the newly-built and acoustically impressive assembly hall. Joint choral performances with a nearby girls' school were always popular, as were his music appreciation lessons and free trips to concerts in Bath.

Jim's abilities as a choral coach and conductor extended beyond the school to benefit the community. For several years he wielded the baton for the Bath Cantata Group, for the Abbey Dore Festival Chorus, and also for Warminster Arts Club's production in 1964 of *Shakespeare and Music*.

In 1969, Jim returned to Uppingham, this time as Director of Music, a position he held until 1978, when he stepped back to be a full-time assistant master and was replaced by fellow Kingsman Ralph Allwood (KC 1972). He kept in close contact with a number of friends from King's for much of his life and was pleased when his grandson Chad Allen (KC 2008) joined the College.

After Anne's death, Jim remarried in his mid-80s and shared happy years with Kathleen. He died at the age of 96 in June 2021.

BRYAN PORTEOUS (1950) was born in Bath in 1931, but grew up in Cambridge, where his father ran the University and Town Water Company. At that time, the Chairman of the company's board was Charles Inglis, then Vice-Provost of King's and Professor of Engineering, and this began Bryan's connection with King's. He went to King's Choir School and then Dauntsey's School where he gained a broad education, not only academically but also in rugby, cricket and gymnastics, as well as developing a love of the countryside, music and theatre. After a National Service commission in the Army, he joined the Territorial Army and served as a Captain with the Suffolk Regiment for a further eight years.

Bryan came to King's to read Natural Sciences, though soon switched to Geography. Although Bryan did not shine academically, he greatly enjoyed College life and his friendships, becoming a member of the Chetwynd Society, and even more enthusiastically, the Boat Club. His school had not been able to offer rowing, but because he had been brought up in Cambridge, Bryan was very keen to get on the water once he was an undergraduate. Despite being nearly six feet tall, he asked to join the Club as a cox, feeling that he would not be strong enough to row. Nevertheless he was welcomed and encouraged, particularly by the KCBC President Olly Forster (KC 1944), himself a cox, and soon took over the rudder lines of the 2nd VIII. In his second year, Bryan became Club Secretary and was promoted to the 1st VIII, enjoying uncharacteristic success on the Cam at Henley, winning 'oars' at the ay Bumps and ceremoniously burning an old boat on Scholars' Piece in celebration. He also took on administrative duties as Secretary of the University Coxswains Society, organising annual races against the Oxford Coxswains. In vacations, Bryan enjoyed sculling on the Cam and learning the rudiments of sailing.

After King's Bryan joined the British United Shoe Machinery Company, based in Leicester and part of a worldwide group of similar companies. After training and a spell as a representative in Norwich he was appointed Export Sales Manager, and this and subsequent promotion to overseas manager led to 14 years of overseas travel. In those days, travel was slow and its cost relatively high, so extended tours were undertaken – although there was some compensation in being allowed to travel first class. Bryan's academic knowledge of geography was greatly widened by visits to all of the continents, except Antarctica, while annual holidays were spent cruising in the English Channel with a group of friends or camping in Scotland. His musical interests included a membership of the Leicester Philharmonic choir whose concerts were conducted by many of the leading conductors of the time including Sir David Willcocks.

Upon marriage to Patricia in 1968, Bryan went to live in Kibworth, where his administrative and fundraising skills were soon to have an impact on the village. In 1969, he became Treasurer of the Village Hall committee,

organising village carnivals in the 1970s. He was also a primary school governor, a trustee of the School House Trust, a long-time member of the 'Keep Kibworth Rural' campaign, and a founder member of the Kibworth Society and *Kibworth and District Chronicle*, which he watched over for many years.

In 1969 he and Patricia had a son who sadly died of cancer at the age of seven, leading to a period of depression and re-evaluation of his priorities. In 1979, he left his job to become the first administrator of Lamport Hall, a historical manor in Northamptonshire, charged by the trustees with developing it as a centre for education and the arts. Over the next six years, he organised a number of events and activities that established the basis on which the Hall has since become known.

Bryan believed in the importance of community and was a strong supporter of local democracy. When failing health prevented him from walking around the village, he acquired an electric buggy so that he could maintain contact with his friends and keep abreast of village affairs. He was a passionate and very efficient organiser, and even in the last weeks of his life he spent time compiling *Pat's Little Red Book*, a very detailed list to help her find the necessary papers and files to make it easier for her to cope with all the administration that a death necessitates. Bryan died on 24 January 2020.

GEORGE HAMISH HEW PRESTON (1949), who died on 9 January 2021, was a boy chorister at St Michael's College, Tenbury where he took part in the daily offices of the church for five years during the Second World War. The Old and New Testament readings and the singing of the psalms made a lasting impression on him, but his allegiance to the church waned until returning in his retirement.

At King's, Hamish was an alto Choral Scholar. The Director of Music was the charismatic Boris Ord, who did not suffer fools gladly, and about whom Hamish relayed stories told in Boris's gravelly voice. On one occasion

Boris sent one of the Choral Scholars over to Great St Mary's to tell them to stop their bell-ringing practice during the choir's weekly rehearsal. They declined to do so. 'In that case, I shall have to go myself,' Boris declared as he stormed out of Chapel. The bells stopped. When Boris got back, he was asked how he had achieved this. 'It was simple,' he replied, 'I turned off the lights.'

When he left King's, Hamish went to sing in the choir of Salisbury Cathedral and to teach in the Choir School for a time. He sang in the first Annual Festival of Music Within the Liturgy at Edington, Wiltshire, in 1956, alongside other former King's choral scholars and choristers. By this time, he had moved to Birmingham where his formidable mother ran a restaurant. He conducted the local choral society, and became a journalist for the *Wolverhampton Express & Star*, reporting on musical activities in the Midlands and anything else the editor wanted. This was eventually his downfall, as the editor did not share Hamish's views, and when on one occasion Hamish was asked to devise a scenic route for the paper's motor enthusiasts, he came up with one so complex that many readers lost their way and complained to the editor, whereupon Hamish was sacked.

From 1959 to 1964, Hamish was the Director of the Birmingham Bach Choir, followed by his directorship of the Walsall Choral Society (1962–70). Along the way Hamish met and married Janet, who brought with her two children, Myles and Sally, from a previous marriage. Unfortunately, both she and Hamish had expectations that were not fulfilled, and the marriage didn't last.

In 1970 Hamish became Music Advisor for the Inner London Education Authority, and then for Berkshire County Council. Unlike some other music advisors, he soon made himself known to local music teachers, attending their conferences and getting to know them personally. He was very much in favour of mixed ability teaching, not neglecting 'unmusical' children, instead encouraging all of his pupils to become involved in music-making, listening, composing and performing.

Hamish retired to Reading and rekindled his interest in the Edington festival and also in the church. He wrote extensively about his rekindled Christian faith and became a formidable, intellectual and enthusiastic debater, keeping up to date with modern theology. He was particularly interested in the role of the church in developing countries and international debt, often parroting Desmond Tutu's observation that Christians are very good at fishing the bodies out of the water, but not so good at finding out how they got there in the first place. Hamish sent out campaigning literature urging Christians to engage at a parish level with the needs of the exploited poor.

Generous to a fault, Hamish had many friends, and spent some summer weekends in rented cottages with friends from Cambridge days such as Richard Baker (1959) and Chris Zealley (KC 1949). However, increasing deafness eventually reduced him to communicating with written exchanges on a pad of paper. The last holiday came to an end when his car broke down because he had been unable to hear that the clutch was slipping. Because of his hearing loss, and his apparent inability to get to grips with the functioning of his hearing aid, he had a booming voice which could often be heard across the noise and laughter of parents and toddlers in the St John's café after morning prayer.

KUNNATHUR THIRUVENKATA RAJAN (1966) was a doctor who led tests in the 1970s into the effects on the lungs of asbestos and of smoking; he also campaigned for doctors to be given more freedom to do research alongside their clinical practice. Recognising that skills and job pressures make it unrealistic for all doctors to be able to carry out research, he believed nevertheless that everyone should have a chance.

Kunnathur, known as KT, was born in Madras and had qualified in medicine and biochemistry from the Christian Medical School in Vellore before moving to the UK to work at Stoke Mandeville Hospital, supported by a research grant from the Arthritis and Rheumatism Council. The proposed project for his graduate study at Cambridge received support from Dame Honor Fell at Strangeways Research Laboratory in Cambridge,

where KT had spent three weeks and impressed his contemporaries with his enthusiasm, intelligence and energy. KT lunched regularly in King's, chatting freely with whomever he was sat in close proximity to, and struck up a friendship with another laboratory-based scientist called Fred. From time to time he would cook curries at his flat, inviting Fred to join in the meals with his friends; it was only when Dr Sanger won the first of his two Nobel Prizes that KT realised who he was.

KT's research was in tissue culture, a field of biological endeavour in which Honor Fell was the doyenne. The laboratory was mostly concerned with research into arthritis, and KT studied tissue culture with a focus on the uric acid crystals that cause the acute inflammation of gout. At Sanger's request, he used his skills in tissue culture to work with foetal pancreatic tissue for the insulin research going on at the time in Cambridge.

Throughout his time at King's, KT kept in touch with clinical medicine and continued to do some clinics in rheumatology at Stoke Mandeville. Once he was awarded his PhD, he moved to Cardiff's Llandough Hospital and worked for the Medical Research Council in the Pneumoconiosis unit, concerned with lung disease in coal miners and asbestos workers. It was in that MRC unit that the link between mesothelioma and asbestos was made, and KT cultured foetal lung tissue in the presence of asbestos crystals to demonstrate pre-malignant changes in these cultures, a breakthrough which he published in *Nature* in 1972. Other research at the unit included looking at the effects of smoking on human lungs and maintaining pancreas and human brain tissue using the organ culture method. When the work ended, KT took a position as a consultant physician in rheumatology in Rhondda Cynon Taf.

A visit to the US for a conference sparked a conviction that diagnostic equipment to check bone density could help catch early signs of osteoporosis and treat it, improving both the quality of life for patients and the cost of treatment. With no funding available within the NHS, he approached the local mayor, who helped raised £60,000 to establish the diagnostic service at Pontypridd's Dewi Sant Hospital. KT published nearly a hundred papers on the benefits of this early diagnosis and the ways in which it can prevent fractures and reduce the need for hip replacements.

KT died peacefully on 27 February 2021, survived by Marcia, his wife for 52 years, and their children and grandchildren.

AMANDA CAROLINE RIDDICK (1991) had to fight two brain tumours in her life, but was quietly determined not to let the experience, and the physical difficulties that it caused her, obstruct the pursuit of her goals or enjoyment of life.

Amanda was born in New York on 26 October 1970, to Roy and Monika Riddick. When her parents separated in 1974, she moved to Vienna with her mother, attending primary school and five years of grammar school there. Chris Warburton became her beloved stepfather when he and Monika married in 1981, and the family relocated to London, where Amanda attended the City of London School for Girls. There, she excelled academically and assumed responsibility for editing the school magazine. When she graduated from school her father flew in to visit, and Amanda delighted in showing him the tomb of Karl Marx in Highgate Cemetery and taking him for fish and chips.

Two months later, Amanda was diagnosed with medulloblastoma, a malignant brain tumour, and underwent an operation at the National Hospital for Neurology and Neurosurgery, followed by months of radiotherapy and chemotherapy at the Royal Marsden Hospital in Sutton. She had previously been offered a place at King's and, after two years of intensive rehabilitation, was able to come to Cambridge. She was left with what the doctors called a 'right side weakness, where movement of her right arm and leg was hampered, but she had no cognitive impairment. With support she realised that re-entering academic life would be possible for her, and arrived at King's to read Social and Political Sciences.

At King's Amanda was so good at making light of her difficulties that people sometimes failed to realise how profound they were. She was deeply selfless and modest, unwaveringly loyal, and had a gift for taking people as she found them. With a grin that stretched from ear to ear, she had a tremendous capacity for joy and was always ready to find fun

in the otherwise mundane. Academic life was sometimes hard for her, particularly in an examination setting, but she persisted, and graduated in 1994.

Amanda's first job was as an assistant editor for a food industry trade magazine, but, being bilingual in German and English, she soon set herself up as a freelance translator, copy editor and typesetter, while gaining a Diploma in Translation from the University of Westminster. She worked for a number of companies and institutions, both in the UK and Austria, covering a wide area of subjects and disciplines.

At the same time she pursued her interest in teaching, becoming the Education Officer for the Hackney Building Exploratory, a research centre focusing on the built environment, where she ran workshops for schools, families and playschemes, as well as volunteering as archive and education assistant at Bruce Castle Museum, and as literacy development supporter at Haringey's Greig City Academy. She also worked as a volunteer for the Finsbury Park Homeless Families Project, eventually becoming chair of the management committee.

Amanda always loved books and joined Haringey Libraries in 2009. She worked at most of the borough's libraries, spending several years at Alexandra Park, later mainly at Highgate and Stroud Green. Concurrently she pursued postgraduate studies at University College London, gaining an MA in Library and Information Studies in 2014.

Amanda's other great interest was music. She had reached Grade 7 in piano but, unable to play after her operation, took up singing instead. She was a founding member of and singer with the rock band Mothers of Memphis and later joined the choirs Eclectic Voices, which she enjoyed tremendously for several years, and the North London Chorus.

All her life, Amanda enjoyed travelling, particularly anywhere with a beach. Most years she went to the US to see her father Roy and his family, and to Vienna and Munich to see her Austrian family and friends, but

she especially enjoyed more madcap adventures in China, Japan, New Zealand, the Caribbean, Texas, Arizona, California, and – closer to home – in Scotland, Guernsey, Norway, Germany, Switzerland and Italy.

In her later years when she was working from home as a translator, Amanda held German conversation sessions with a neighbour who was learning the language and became a close friend. They would read stories together and chat about all sorts of topics, often relapsing into English when the conversation got too exciting. Her intelligence, curiosity and wonderful sense of humour always shone through.

In November 2019, Amanda was diagnosed with her second brain tumour, glioblastoma multiforme. Once again she underwent an operation at the National Hospital for Neurology and Neurosurgery, followed by the radiotherapy and chemotherapy, but this tumour was too aggressive to overcome. Amanda died at home in her sleep on 29 April 2020.

FRANCIS JOHN ROUTH (1945) was born in 1927 in Kidderminster, and educated at the Old Hall School in Wellington before going to Malvern College and Harrow School during the war years. His father was a Classicist who was for many years headmaster of a boys' grammar school in Guisborough, but it was Mildred, Francis' mother, who gave him his love of music. She was an accomplished pianist and had studied in Germany before the First World War; all three of her children went on to become good pianists in their own right.

Francis hated the chaotic years at Malvern College, disrupted as they were by the war, with the school buildings commandeered for research into radar and the pupils forced to move twice. The second of these moves, however, took the boys to Harrow, with the unexpected bonus of introducing Francis to Henry Havergal, the Director of Music there. Havergal took Francis on as a piano pupil, giving him the energy and disciplined teaching that he needed. As a holiday task he invited Francis to learn a Mozart piano concerto, A major K. 488, for which he would

assemble an orchestra, no mean feat in 1944. This event gave Francis his first experience of the deep sense of pleasure that comes from knowing one has given a good public performance, shared with other players united in a common purpose.

Francis' school years were followed immediately in the Spring of 1945 by a short course at King's for naval cadets doing their National Service, where he served as a Royal Naval Volunteer Reserve for three years until 1948. His return to King's in 1948 was a matter of resuming his studies; although he was meant to be studying Classics, in reality he spent almost all his time immersed in the musical life of the university. King's was where Francis first developed his love of the organ and was able to explore the sounds it could make, and he was fortunate that his time at King's coincided with the bicentenary in 1950 of the death of J S Bach, for which there was a year-long celebration, where Boris Ord directed performances of three of the composer's major works in the Chapel. Francis was rehearsal pianist for the soloists and joined the CUMS chorus.

Concerts became more numerous in Francis' third year, and despite his worries that he would be unable to balance his musical commitments with the Classics Tripos, Francis was reassured by Senior Tutor Patrick Wilkinson – himself a Classicist – who advised him to continue as he was, quoting the Delphic Oracle's maxim "know thyself".

After Cambridge, in 1951 Francis joined William Alwyn's composition class at the Royal Academy of Music, at an exciting time for young musicians. The Festival of Britain had led, among other things, to the establishment of the Composers' Guild of Great Britain, and Francis was keen to tap into this. Initially with some colleagues from the Academy, he started a Festival at St Luke's Church in Redcliffe Square, where he was Organist, managing to convince Vaughan Williams to be a patron along with other major composers at the time including Arthur Bliss, Michael Tippett and William Walton. The festival subsequently developed into a registered charity, the Redcliffe Concerts of British Music, which promoted performances on the South Bank and developed a reputation for being on the cutting-edge of

contemporary British music. He had some notable successes, introducing the music of Andrzej Panufnik to the London audience and giving the first public performance of music by George Benjamin (KC 1978). Ever willing to take risks, Francis also promoted the work of composers of electronic music such as Tristram Cary, Peter Zinovieff and Harrison Birtwistle.

The years from the 1960s to the 1980s were Francis' musical heyday. He was something of a musical polymath; as well as putting on concerts, he composed some 50 works during these years, wrote a number of books and academic articles on subjects including contemporary British music, early organ music and Stravinsky, and performed as a pianist and organist. This flowering of musical expression came to an end in the 1980s for a number of reasons. The first, following the abolition of the Greater London Council by Margaret Thatcher's government, was the demise of the London Orchestral Concert Board, which had been a core source of funding for the Redcliffe concerts. In addition, following an Arts Council decision to remove its funding, the Composers' Guild closed its doors. These changes forced the termination of the South Bank concert series after 25 years.

Francis coped with these difficulties by expressing himself through music, composing some of his most important works: his clarinet quintet, two of his three symphonies and his 24 preludes for solo piano. Rather than promote concerts, however, he now concentrated on making recordings of works. He was in the process of recording his 22nd CD when he died.

Francis was a private man, who found it difficult to express himself except through music. He had a strong sense of duty and a Christian belief, and was devoted to his family. He was married twice, with five children from his marriage to Virginia; the second of whom, Ben, tragically died at the age of one, an event which had a profound influence on his musical output. His second wife, Diana, was an accomplished artist whom he married in 1991. Francis died on 27 November 2021.

CLIVE MARLES SINCLAIR (1980) was one of the country's most prolific innovators, the creator of the landmark ZX Spectrum home computer, the pocket calculator, and the less commercially successful Sinclair C5, a battery-powered electric trike.

Clive was born on 30 July 1940 in Richmond, Surrey, with a father and grandfather who were both engineers. He became interested in electronics at a young age, inspired by the character of The Inventor from the BBC children's series *Toytown*, and by the crystal set that his father bought him when he was eight. He made a communications system for his hideout in the woods and built miniature radios and amplifiers, even sketching out a blueprint for a one-man submarine aged only twelve.

Clive attended Boxgrove School in Guildford until he was eleven, but his education was disrupted after the collapse of his father's machine tools business, resulting in Clive regularly moving schools depending on the economic fortunes of the family. While he was doing his A-Levels at St George's College in Weybridge, he designed a circuit for a simple radio and then commissioned a manufacturer to make it up into DIY kits, which were later sold by mail order through the magazine *Practical Wireless* for which he had already written a number of articles.

Clive left school at 17, deciding not to go to university, partly because he was keen to continue his self-directed education in electronic engineering and partly because he wanted to start earning a living as soon as possible to improve the financial security of his family. He became an editorial assistant at *Practical Wireless* and soon after, the editor fell ill and had to retire, leaving the magazine in the hands of the assistant editor, who soon left himself, leaving Clive to run the magazine single-handedly. As a result, he was offered a job as managing editor of Bernards Publications Ltd, a small publishing company on Goldhawk Road specialising in books for electronics hobbyists, at about three times his previous salary.

Over the next three years, Clive arranged the printing and distribution for Bernards, and also wrote twelve books on topics including how to construct

radio receivers and transistors. The books sold well, but Clive wanted to go back to inventing and to start his own business, a long-standing ambition. He designed and built a miniature transistor radio, the Micromatic, but struggled to raise the capital to get the venture off the ground. To fund his continued research, he worked as the technical editor of *Instrument Practice*, a journal published by United Trade Press who lent Clive a free office in their building on the condition that he was available to give advice should they need it.

Around this time, Clive started his company Sinclair Radionics, launching his inventions including the X10 audio amplifier, the world's first production unit to use the pulse width modular mode of operation, resulting in enormously reduced heat dissipation in the output devices. At the same time he began working in the field of pocket television, inventing a low-level synchronised detector which he patented and sold for £25,000.

It was in 1972, though, that Clive designed and released the Sinclair Executive, the world's first pocket calculator, which proved to be his most significant commercial breakthrough, made possible by his patented innovation which reduced the power consumption of the circuitry and so permitted the batteries to be tiny enough to fit into a much smaller unit. Portable and much more affordable than its competitors, the calculator won many design awards and earned over £2.5 million in export revenue. There were flaws, however: the on-off switch frequently oxidised, making it impossible to switch off, and there was an unfortunate incident when one of the calculators exploded in the pocket of a Soviet politician.

Clive's next product, an all-electronic quartz watch, also suffered from a regular malfunction, to the extent that the majority of customers returned it for a refund, leaving the business in financial jeopardy. Receiving support from the National Enterprise Board kept Clive afloat and enabled him to launch a pocket television in 1976 and to continue the development of a flat cathode ray tube, but the relationship soon soured and the NEB broke up the company.

From his new base in Cambridge, Clive relaunched the firm as Sinclair Research Limited, and began working on what would be the hugely

influential ZX80 home computer, which he brought to market in 1980. Available either ready-built or in kit form that the buyer had to solder together, the ZX80 was the first computer sold in the UK for under £100, and was succeeded by the ZX81 and ZX Spectrum, which became the UK's bestselling personal computer by some margin.

It was in 1980 that Clive began a course of graduate study in Economics at King's, examining the role of entrepreneurial activity and new companies in the UK economy. With the business booming, Clive abandoned his studies and, after being named *The Guardian* Young Businessman of the Year and being awarded a knighthood, began work on a new invention – the single-seater vehicle known as the Sinclair C5.

Launching the C5 in January 1985 with predicted sales of 100,000 in its first year, the vehicle proved a catastrophic flop, and the following year Clive was forced to sell the computer business to Amstrad. A new start followed as Cambridge Computer Limited, its first product being the Z88 portable computer, with other work undertaken on advanced satellite receivers, including a revolutionary flat 'dish' that was to be marketed by Sky Television. Through the 1990s and 2000s, Clive's focus shifted back to transport, and he developed a number of power-assisted pedal bicycles, the folding A-bike, and a power unit that could be attached to attendant-propelled wheelchairs to enable greater independence for users.

Away from the business, Clive was a long-serving chairman and president of British mensa, having joined at the age of nineteen with an IQ of 159. He maintained a lifelong interest in poetry and was a keen marathon runner, and in later life became a high-stakes poker player.

Clive married Ann Trevor Briscoe in 1962, and the couple had three children, Bartholomew, Belinda and Crispin. The marriage was dissolved in 1985, after which Clive married for the second time in 2010 to Angie Bowness, a former Miss England whom he had met at Stringfellows where she was a lap dancer; the marriage ended in 2017.

Clive died at the age of 81 on 16 September 2021, after ten years with cancer.

RICHARD GORDON TERRY (1984) was a Professor of Eighteenth-Century Studies at Northumbria University. He first met his wife Carol through a mutual friend when both were postgraduate students in Cambridge, with Richard at King's undertaking a PhD on the work of John Gay under a succession of transitory (through no fault of Richard's) doctoral supervisors that included John Barrell, Christopher Ricks and Eric Griffiths.

Richard spent most of his working life at two of the universities in the North East, joining the University of Sunderland in 1991 and becoming Head of the English Department. After a decade of commuting to and from Cardiff, where Carol worked, the pair settled in Gateshead in 1998. In 2004 Richard co-founded the North East Forum in Eighteenth-Century and Romantic Studies, bringing together postgraduates and established academics from the region. He always remembered how, as a young academic and researcher, he had benefitted from mentorship by more experienced peers, and wanted to replicate that for others.

Richard joined Northumbria University in 2008, where he proved himself to be a brilliant and wide-ranging scholar. He served variously as Head of Humanities, Associate Dean for Research and as Northumbria's academic lead for its doctoral training partnership. He was a committed mentor to young colleagues, being generous and supportive, active and yet unobtrusive. Richard wrote several books on poetry, including a monograph on the mock-heroic genre, and at the time of his death was working with collaborators on an edition of the letters of John Cleland.

Richard and Carol's daughter Hannah was born in 2000, followed by a son James in 2002. When the children were young, the family spent a lot of time with Richard's parents in the Cotswolds, picking strawberries and blackberries, and taking rides on open top buses. Other holidays were spent

near to Carol's parents on the west coast of Scotland, where the children could run wild. Richard loved the opportunities for long walks along the coast and into the eighteenth-century landscape park at Culzean Castle.

Apart from his family and his work, Richard's primary passion was football. Born in Stamford Bridge, he grew up as a York City supporter and enjoyed trips to Bootham Crescent alongside his father and grandfather. The family's move south precipitated a switch of allegiance to Derby County through the glory years under Brian Clough and out the other side again, before relocation to the North East gave rise to Richard adopting Newcastle United as his team; he and his dad sat in the same seats at St James' Park for ten years.

Richard died unexpectedly after a short illness on 6 July 2020.

WILLIAM WESLEY TROUTMAN (1959) came to King's for his PhD in Engineering, after previously studying at the University of Pennsylvania and at MIT. Just prior to arriving in Cambridge he was married in June 1959 to Suzanne Katherine How, with the honeymoon spent on the boat making the crossing from New York to London. They went on to have two daughters and a son.

For Pennsylvania-born Bill, living in Cambridge was a wonderful experience; he and Suzanne made many good friends and Bill even taught one of his supervisors to drive. Living for a time on De Freville Avenue, Suzanne was able to get a job while Bill was studied and played basketball.

Bill was awarded his PhD in 1962 and spent three years in the US Air Force afterwards, before joining Bell Labs in New Jersey, where he worked primarily on semi-conductors. With others from the Bell Labs, he co-founded the semi-conductor company Enpirion, which developed the first family of power systems-on-a-chip; with Bill as Vice President. He left Enpirion in 2008 to take up a consultancy role, later acting as a consultant and working to create a database with the aim of reducing the cost of cervical cancer diagnosis.

Bill remained fit and active for much of his life, enjoying tennis and paddling, even after being diagnosed with leukaemia. A serious fall down some steep stairs caused internal bleeding which led to his death on Christmas Day 2020.

ROBERT HORATIO WALPOLE (1958), always known as Robin, was the 10th Baron Walpole of Walpole and a distant descendant of Britain's first Prime Minister. His line of inheritance came with two historic Norfolk homes a couple of miles apart: Mannington Hall, a fortified fifteenth-century manor house surrounded by a moat and drawbridges, and Wolterton Hall, a Palladian villa built in 1720.

As a child during the war years, he lived at Wolterton with his mother while his father was on active service abroad. He remembered hearing bombs over Norwich and being taken to see planes, as well as having many soldiers billeted in the hall and grounds. It was at Maidwell Hall boarding school in Northamptonshire that Robin's love of gardening began; the headmaster there was an RHS medal holder and passed his enthusiasm on to the boys.

Robin's interest in the natural world continued at Eton and then onto King's, where he read Natural Sciences and later Agriculture, before returning to his beloved Norfolk. He and his first wife Judith had four children, and Robin put his skills into farming, always with an interest in innovation. They moved to Mannington Hall in 1969, where he began to develop the beautiful gardens for which the estate is renowned. His degree in Natural Sciences was put to good use as he instigated early work in conservation, enabling wider access and employing countryside staff before it became fashionable. He liked to greet visitors to Mannington Hall in person, believing that people expected to see the Lord when they visited. A down-to-earth, unassuming man, he and his wife were sometimes mistaken for staff and were asked to spill the beans about what Lord and Lady Walpole were really like.

Robin's marriage to Judith ended in 1979, but the following year he married Laurel Ball, going on to have three more children.

Public service was always important to Robin and he acted as a councillor at parish, district and county levels. His varied work included planning and transportation, as well as libraries and museums, leading him to chairmanship of the East Anglian Tourist Board and the Area Museums Service, and played a crucial role in setting up the Museum of Norfolk Life at Gressenhall. He was also a member of the East Anglian Planning Council and the BBC Regional Committee.

In 1989, when Robin's father died, he took his seat in the House of Lords where as a 'working peer' he was proud to be elected as one of the 92 hereditary peers in the first reorganisation, and was always sad that subsequent reorganisations did not take place. He was not happy with party politics and became disillusioned with the Conservative Party, latterly sitting as a crossbencher. He was particularly involved with committees concerned with Europe and with the environment, enjoying his investigative visits to Denmark, Ukraine, Russia and Poland, as well as Brussels.

Robin carried out church warden duties faithfully for many years, maintaining a simple religious faith. He always loved the arts, and when a colleague heard that Sheringham Little Theatre was seeking a president, they immediately thought of Robin. He took up the presidency in 1973 and served for almost 50 years, not only chairing the Annual General Meeting but also taking a genuine interest in the theatre's outreach work.

Despite his aristocratic background, Robin enjoyed little more than mucking in and getting his hands dirty. He was a humorous and somewhat eccentric figure who always wore his flowing hair in an extravagant ponytail; he loved company and throughout lockdown would ask 'Is anyone coming to stay?' The rest of the family sadly had to reply 'Not yet', but Zoom was a comfort for birthdays and for weekly family quizzes.

Robin died of pneumonia at the age of 82, leaving a family of seven children, fourteen grandchildren and one great-granddaughter, whom he met just a week before he died.

NOEL RICHARD WILLIAMS (1972) was a gifted poet, linguist and academic who died suddenly at the age of 68.

Noel was born in 1952 and spent his childhood in Crookes, a suburb of Sheffield, writing poetry from the age of six and never stopping. The family moved to Oxford soon after, and it was while a student at Magdalen College School that Noel wrote his first novel, aged fourteen. He took little interest in the more traditional aspects of the school, but excelled academically and as part of the History, Geographical, and Literary societies on offer. Reading remained his biggest passion, his tastes ranging from DH Lawrence and Henry Miller to James Joyce and William Blake.

In his gap year, between school and university, Noel worked as a porter in a geriatric hospital in Oxford, where he had his first encounter with dead bodies and had to cart amputated limbs for refrigeration. The experience provided him with much material for his creative writing, but he became spooked by the solitary night shifts, began to hallucinate, and had to leave after about three months.

Noel arrived in Cambridge to read English, where he obtained a First and married his childhood sweetheart, Carrol, with whom he had three children, before returning to Sheffield to complete a PhD on the topic of William Blake's approach to folklore. He began his academic career as a Lecturer in Communication Studies at Sheffield City Polytechnic in 1979, becoming its first Professor of Communication in 2005, after it had been renamed as Sheffield Hallam University. A private but penetrative person, Noel was a very kind and patient colleague, generous in sharing materials and with his thoughts and time.

Alongside his academic career, Noel continued to write creatively, having hundreds of his poems published in magazines and journals across the country. He ran poetry workshops, mainly for community groups and schools, often working with local community arts organisation Art in the Park. He was associate editor of the poetry magazine *Orbis* and co-edited, with his friend Rosemary Badcoe, the online magazine *Antiphon*, founded

in 2011 to publish poetry and reviews of new poetry books. Noel felt that much of the success of *Antiphon* was due to its smallness; it would have been quite possible to double the size of the magazine, but limiting the poems to about 24 meant that only the best appeared and the quality was maintained. Rejected poets did not get specific feedback, but Noel did take the trouble to offer advice to someone when he felt there was something in their work worth recognition and encouragement. His love of the city of Sheffield was featured in an exhibition *Skylines* at Bank Street Arts, featuring a series of poems and photographs arranged against a timeline of his life in the city.

Noel published two collections of his own poetry: *Out of Breath* in 2014, and *Point me at the stars* in 2017.

Our warm thanks to the many family members and friends who provided tributes, information and anecdotes for these obituaries, which have been compiled by Libby Ahluwalia and Jonty Carr.

Deaths of King's members

We have heard of the deaths of the following members and hope to include their obituary in next year's Annual Report. If you have any information that would help in the compilation of their obituaries, we would be grateful if you would send it to the Obituarist's Assistant at the College. We would also appreciate notification of any deaths being sent to members@kings.cam.ac.uk. Thank you.

Nigel FORBES ADAM (1950)

John (Brian) ALCRAFT (1952)

William ANDERSON (1950)

John (Allan) BALDRY (1956)

Maurice (Brian) BAYLY (1949)

John BIRD (1955)

Adrian BOWEN (1980)

Geoffrey BOWN (1953)

Robert BRAGG (1944)

Ian BRANNAM (1960)

Deborah BREGENZER (1987)

Michael BRIDGE (1974)

Richard BURNETT (1954)

Alan BYERS (1966)

Peter (Crispin) COBB (1962)

Michael COCKERHAM (1973)

Brian COLEMAN (1954)

Philip COLLINS (1980)

Clive CONSTANCE (1961)

Bernard COOMBS (1943)

Guy DAINES (1971)

Charles DILKE (1957)

Julia DINAN (2009)

Nigel DODD (1987)

David (Joseph) EVANS (2008)

Neil FAULKNER (1977)

Edward FFOOKS (1948)
 Christopher FOSTER (1950)
 Kelly FRAILING (2007)
 Henry (Harry) GALBRAITH (1972)
 Michael GARNER (1957)
 Donald GREEN (1950)
 Jasper GRINLING (1942)
 Stephen HAMMOND (1979)
 Sydney (Mike) HARRIS (1949)
 Michael INGHAM (1954)
 Ronald INGLE (1945)
 Richard IRONS (1957)
 Clifford JONES (1994)
 Charles-André JUNOD (1954)
 William KINSMAN (1945)
 Robert LANGFORD (1959)
 Nikita LARY (1961)
 Peter LATHAN (1962)
 William LEAH (1963)
 Timothy LEGGATT (1954)
 Michael LINDSAY (1957)
 Humphrey LLOYD (1947)
 Thomas (Ian) MCKENZIE (1944)
 Colin MAYRHOFER (1962)
 John (Paul) MORRISON (1955)
 Jane MOWBRAY (1985)
 Peter NEWBON (2003)
 Anthony NEWELL (1950)
 David PARKES (1976)
 Chandrakant PATEL (1962)
 Michael PELHAM (1944)
 Geoffrey PHILLIPS (1953)
 Jan PIENKOWSKI (1954)
 Geoffrey PLACE (1950)
 Peter PLEDGER (1945)

Donald PORTER (1961)
 David POWNALL (1952)
 John PRATT (1958)
 Simon PRESTON (1958)
 Philip PURSER (1943)
 Lloyd RAINES (1972)
 Richard ROBINSON (1960)
 Nigel ROGERS (1953)
 Glyn SALTON-COX (2001)
 Allen SAMUELS (1970)
 Simo SARKANEN (1964)
 Lili SARNYAI (2011)
 Kathryn SCHWARTZ (2004)
 Clare SMITH (1978)
 Alan SPENCE (1976)
 Peter STRAFFORD (1956)
 David TAPLIN (1974)
 Melissa VERO (1975)
 Klaus WEDELL (1950)
 Nicholas WILDE (1964)
 Jeffrey WILKINSON (1951)
 Christina WINTERS (1985)



Information for Non-Resident Members

King's takes great pleasure in welcoming alumni who are visiting the College. When visiting, please bring your Non-Resident Member card with you for identification purposes, and be prepared to show it to a Visitor Guide or a Porter if requested. If you do not have a card, the Development Office will be pleased to issue one – you can now request it at www.kings.cam.ac.uk/members-and-friends/nrm-card

Alumni and up to three guests are welcome to visit the College and Chapel free of charge when open to the public.

Address / Achievements

Please let the Development Office know of any change of details (address/phone/email/employment) so that we can keep you up-to-date with College news and events. You may also wish to inform us of any achievements or awards to include in the next Annual Report.

Email: communications@kings.cam.ac.uk

Accommodation

A limited number of single, twin and double rooms with en-suite facilities are available for booking by alumni. We regret that rooms can be booked for guests only if they are accompanied by you, and that children cannot be accommodated. You may book up to two rooms for a maximum of three consecutive nights. Please note that guest rooms are in considerable demand; booking in advance is not essential, but is strongly recommended.

To book, email guestrooms@kings.cam.ac.uk or, if your request is immediate (e.g. over a weekend), please contact the Porters' Lodge on +44 (0)1223 331100. Rooms must be cancelled at least 24 hours in advance or the full fee will be charged. On arrival, please collect your room key from

the Porters' Lodge at any time after 2pm and also pay there on arrival. Checkout time is 9.30am. Breakfast is not included in the room rate.

Use of King's Servery and Coffee Shop

You may use these when they are open. You will need your Non-Resident Member card; please pay in cash at the till. You may bring up to two guests.

Use of the Senior Combination Room (SCR)

Non-Resident Members returning to the College may make occasional use of the SCR. Please inform the Butler, Mark Smith (email: pantry@kings.cam.ac.uk) or by phone on +44 (0)1223 748947 prior to your visit and introduce yourself to him or a member of the Pantry staff upon arrival.

Purchasing wine

The Pantry has an excellent wine list available to alumni throughout the year. It also has two sales, in the summer and at Christmas, as well as other occasional offers. All relevant wine lists are sent out by email. If you wish to receive these lists, please inform the Butler, Mark Smith (email: pantry@kings.cam.ac.uk or tel: +44 (0)1223 331444).

Use of the Library and Archive Centre

If you wish to use the Library, please contact the College Librarian, James Clements (email: james.clements@kings.cam.ac.uk or tel: +44 (0)1223 331252. For use of the Archive Centre, please contact the Archivist, Patricia McGuire (email: archivist@kings.cam.ac.uk or tel: +44 (0)1223 331444).

Booking College punts

Punts cannot be pre-booked. If you require use of a punt, please attend the Porters' Lodge at the time you would like to use one. Turnaround is reasonably fast even at the busiest periods, so you should not expect to wait very long for a free punt if one is not immediately available. Punts cost £8 per hour.

Attending services in Chapel

Alumni are warmly invited to attend Chapel services. If you wish to bring more than two guests please contact the Chapel Manager in advance, by

phone on +44 (0)1223 746506, or email: chapel.manager@kings.cam.ac.uk. When possible, seating will be reserved.

The Dean and Chaplain always enjoy meeting NRMs so please introduce yourself before or after the service.

For some services tickets are issued and different seating rules will apply.

Festival of Nine Lessons and Carols

There are no tickets for alumni for this service on Christmas Eve. Alumni wishing to attend should apply for tickets and enter the public ballot. Details about the service are available on the Chapel pages of the King's website.

SENIOR MEMBERS

Senior Non-Resident Members of the College are defined by Ordinance as those who have:

- a) been admitted to the degree of Doctor of Philosophy by the University; OR
- b) been admitted to the degree of Master of Arts by the University, provided that a period of at least six years and a term has elapsed since their matriculation; OR
- c) been admitted to the degree of Master of Science, Master of Letters or Master of Philosophy by the University, provided that a period of at least two years and a term has elapsed since admission to that degree;

AND

- d) are not current students at the University of Cambridge.

Lawns

Senior Non-Resident Members are entitled to walk across the College lawns accompanied by any family and friends. Please introduce yourself to a Porter beforehand.

High Table

Senior Non-Resident Members may take up to six High Table dinners in each academic year; these dinners are free of charge. All bookings are at the discretion of the Vice-Provost, and the number of Senior Non-Resident Members dining at High Table is limited to six on any one evening.

If fewer than three Fellows have signed in for dinner, High Table may not take place. In such an event, we will endeavour to give you advance warning to make alternative plans.

Dinners may be taken on Tuesday to Friday during Term, with Tuesdays and Thursdays designated as Wine Nights, when diners are invited to assemble for further refreshment in the Wine Room following dinner. High Table dinner is also usually available on occasional Saturdays during Full Term. Those wishing to dine must sign in by 2pm on the day before you wish to dine at the latest, though booking further in advance is recommended. Please email hightable@kings.cam.ac.uk for more details.

A Senior Non-Resident Member may bring one guest at a cost of £57 on Tuesdays and Thursdays during Full Term, and £50 on other nights.

At High Table, Senior Non-Resident Members are guests of the Fellowship. If you would like to dine with a larger group than can be accommodated at High Table, please book one of the Saltmarsh Rooms through the Catering Department (email: entertain@kings.cam.ac.uk)

High Tables dinner is served at 7.30pm. Please assemble in the Senior Combination Room (SCR) at 7.15pm and help yourself to a glass of wine. Please introduce yourself (and any guest) to the Provost, Vice-Provost or presiding Fellow. No charge is made for wine taken before, during, or after dinner.

Additional University of Cambridge Alumni Benefits

Cambridge alumni can access the JSTOR digital library of academic journals, free of charge. Please go to:
www.alumni.cam.ac.uk/benefits/journals-and-online-resources/jstor.

The CAMCard is issued free to all alumni who have matriculated and studied at Cambridge. Benefits include membership of the University Centre and discounts at Cambridge hotels and select retailers.

To view all University alumni benefits, including the Cambridge Alumni Travel Programme, please go to: www.alumni.cam.ac.uk/benefits.

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