The Fitzwilliam Journal

Ex antiquis et novissimis optima

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For all Students and Fellows, Past and Present

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THE MASTER’S LETTER

I am astonished that I am already in my fourth year as Master. Time flies by! I have just completed twenty-five years as a Fellow at Fitzwilliam – and I am very grateful to the College for all the opportunities that it has given me. I remain committed to my ‘day job’ in the Law Faculty: lecturing, teaching and researching criminal justice, sentencing and prison law. Many of my blogs touch on these issues. But the variety of roles which come my way as Master is also fantastically enriching: governance, administration, leadership, fundraising – all of which often boil down to having inspiring conversations and intriguing interactions with colleagues, students and alumni. The pages of this Journal are testament to the huge variety of things going on in Fitzwilliam. A Master needs lots of energy and enthusiasm!

Highlights for me in 2016 included some fascinating foreign travel, mostly combining law and Fitzwilliam in Singapore and in California, but also to Japan in November to celebrate the Tszuki Gakuen Group’s 60th Anniversary, p.38. My predecessor-but-two Professor Alan Cuthbert signed our first agreement with the Group in 1996, and he first visited Fukuoka in 1999. It is particularly sad to note his passing (see p.3 for more tributes). In the last 20 years, over 160 students from St Anne’s College, Oxford (incidentally, my alma mater) and Fitzwilliam College have had the benefit of a well-funded academic year in Fukuoka, and our superb auditorium bears a plaque which speaks of our gratitude to the Gakuen for their contribution to the development of the College. In Singapore we are making exciting headway towards the launch of the Lee Kuan Yew Fitzwilliam Fund, and I have to single out our gratitude to the Prime Minister, Lee Kuan Yew’s son Lee Hsien Loong (Trinity, 1971), and to his brother, Dr Lee Suan Yew (Medicine, 1954) for helping to open exciting doors for us. I also want to mention Xiaoyang (Chris) Xie (Engineering, 2007) whose gratitude to Professor David Cardwell and whose exceptional generosity will be remembered forever (p.6). It was David Cardwell who gave the inspirational Foundation Lecture in November 2016.

It feels as though every year we lose some exceptional Fellows. This year saw the retirements of Dr Bill Allison and Dr David Scott. Both are modest and unassuming, but they have been really active, committed Fellows of the College, Bill since 1983 and David since 1985: 33 years and 31 years. How lucky the College was to have them. Between them, they served on virtually every College committee and took on so many vital roles. Bill was an Admissions Tutor for three years and then Graduate Tutor for fifteen. He had a real focus on student needs, and was key in pushing for graduates to move centre-stage within the College. He loved the gardens, too, and I am grateful to him for chairing the Estates Committee in recent years. Bill is a man of principle, a man who really cares, who really bothers, who sticks to his guns – and those are valuable qualities. David also was an Admissions Tutor, and then Senior Tutor for six years. A man of few words, he tells it to you straight, but he is a man of great humanity, of empathy. David always comes up trumps. He has helped me greatly – he never said no. Both are wise academics and exemplary teachers – we are already well aware of the gaps that they leave behind them.

At the same time, we lost an excellent Development Director in Dr Helen Bettinson (History, 1982), but we are already convinced that Dr Nicola Jones (Christ’s, 1999) will lead the College onwards in our determination to raise the funds necessary to achieve that for which future generations of students will gratefully thank us. Helen was the JCR President in 1984–1985, and she will remain a key member of the Fitzwilliam family (and continues as a Bye-Fellow, p.27), with her determination to keep on with the vital job of building Fitzwilliam.

Our motto (as you all should know!) is to take the best of the old and the new (ex antiquis et novissimis optima). You see that all around you in Fitzwilliam. Students come and students go – but Fitzwilliam goes from strength to strength. Of the College societies, I would single out the Debating Society as particularly impressive in 2015–2016, with a host of high-profile speakers including Peter Bazalgette (English, 1973) and Vince Cable (Economics, 1962). The highlights of the Master’s Conversations for me were remembering Lord Menuhin with Humphrey Burton (p.48), and discussing the challenges of immigration law and practice with Liz Barratt (History, 1984), now partner at Bindmans, and David Chirico (Trinity College, MML, 1990), Barrister at 1 Pump Court (and, perhaps more importantly in this context, the Senior Tutor’s brother). I also enjoyed joining the Choir on several occasions, and shouting at a wide variety of sporting events. And let’s not forget the inspirational debates before the London Dinner (p.65): we may not have voted with the nation, but the debate was lively. I am delighted to say that Professor Catherine Barnard (Law, 1986) has agreed to give the Foundation Lecture in 2017: questions of European law and identity will still be teasing us for decades to come.

The College and the University have been kind enough to grant me sabbatical leave from 1 January to 31 March 2017. I shall be researching Parole Board decision-making in prisons up and down the land (probably without alumni reunions? … let’s see). I leave the College in very good heart, and Acting Master Dr Sean Holly is probably more than ready to be shot of me. He’ll be putting his own slant on the Mastership for three months – but on April Fool’s Day I’ll be back with renewed energy and enthusiasm. As I write this letter, it is all too obvious what a tough and troubled world lies beyond our walls. Fitzwilliam College must not hesitate in its ambition to inspire our students to be critically-aware citizens of the world. We need to stretch both their brains and our own.

NICOLA PADFIELD
Professor Alan William Cuthbert
FRS, FBPHS, FMedSci
7 May 1932 – 27 August 2016
Master of Fitzwilliam College 1990–1999

Alan Cuthbert was born on 7 May 1932 in Peterborough, and was educated at Deacon’s Grammar School, Peterborough, at the Leicester College of Technology, and at Queen’s College, University of St Andrews.

After National Service in the Royal Navy, he became a Pfizer Research Fellow at the University of London, and then an Assistant Lecturer in the School of Pharmacy, London. In 1963 he was appointed to a post in the Department of Pharmacology in Cambridge, and in 1979 he was elected Shield Professor of Pharmacology and became Head of Department. He was elected a Fellow of the Royal Society in 1982, and subsequently received three honorary doctorates.

When he was elected as the fifth Master of the College in 1990, following the untimely death of Professor Gordon Cameron, he was the first scientist to hold the position. Before his election he made it clear that he wished to remain an active scientist; he gave up all his outside commitments apart from the Wellcome Trust. In the 1980s he had already brought his Department into a single building (from four separate ones), and had developed a partnership with Glaxo in order to develop closer links between the universities and industry. Similarly in relation to the colleges and the University, he strove for closer partnership and the recognition that it did neither the University nor the colleges any good for clusters of Fellows in the same subject to be gathered in one college. This was not achieved during his Mastership, but is now an increasingly important part of University policy.

In 1998 he was awarded an ScD at Cambridge. Alan retired in 1999, but continued his scientific work, not only from his new base in the Department of Medicine at Addenbrooke’s, but also in conjunction with a research group at Leicester. Only in the last few years did he finally ‘retire’. He died on 27 August 2016.

Professor David M. Thompson
TrIBUTES AT THE MEMORIAL SERVICE
IN THE CHAPEL OF JESUS COLLEGE ON SATURDAY 5 NOVEMBER 2016

Alan Cuthbert – Master of Fitzwilliam College
Nicola Padfield,
Master of Fitzwilliam College

This year, Fitzwilliam College has celebrated fifty years as a full College of the University of Cambridge. The year Alan became Master, we had only been a College for twenty-five years. Although we usually, and indeed proudly, date our creation back to 1869, it is extraordinary to note the transformation which has taken place in the last fifty years. Fitzwilliam College has been a dramatic success story. Alan had been a Fellow of Jesus College for more than twenty years when he was elected Master at Fitzwilliam in 1990 and, although still proud of – and loyal to – his Jesus association, Fitzwilliam then became his priority. It was a difficult time. His predecessor Professor Gordon Cameron had died in March 1990, only 18 months into his Mastership. Alan took up the post a year later, on 1 April 1991. He and Hetty moved to the Master’s Lodge, even though the home of which they were very fond was only a few miles away in Oakington. Fitzwilliam’s Master’s Lodge is a curious place, but they made it their own, not least by the installation of a small greenhouse to house Alan’s orchid collection. In 1991, of course, as we will hear from Mike Edwardson, Alan was a cutting-edge pharmacologist, busy as Shield Professor and Head of Department. He was well organized and efficient. Their move to the Lodge reflected Alan’s determination to do the job effectively, wholeheartedly.

A tribute to Alan’s achievements as Master has to recognize his frustrations with what he saw, perhaps, as the ponderous democracy of Governing Body. Yesterday I re-read the Governing Body minutes for those eight and a half years. The early part seemed to be dominated by buildings: the Chapel opened, and then The Grove had to be transformed. (I had forgotten the delicate debates on whether it should be a no-smoking building!).
Then there was the construction of Wilson Court, and the difficult financial arrangement with the Royal Institute of Chartered Surveyors, but the result was of course hugely welcome. He quickly formed a ‘think tank’ which engaged with that slippery concept ‘academic ethos’, as well as with fundraising. Later he invented a College Committee, not quite a College Council, as the Governing Body wouldn’t wear that. But it is a compromise which still seems to work today.

Alan threw himself into the role of Master. Like any Master, he was frequently dining for the College – indeed, I am told that his diary contained the shorthand EFF (Eating for Fitz, or perhaps Eating for Fitz’s Future). Not an oarsman, he was determined to row in the Fellows Eight which enjoyed an active life on the river for a couple of years in the mid-1990s, provoked by two charity regattas. It was not only Hetty who feared that it might be the death of him. But he was nothing if not determined. He was a man of many parts: he could present as a strong, forceful figure of authority, but he always had a keen sense of fun. He had a wonderful zest for life and found many ways to enjoy the role of Master. Earlier this year, he amused himself and me with stories about Lord Menuhin, Honorary Fellow of the College, and about his pleasure at being invited to say the College grace at Lord Menuhin’s eightieth-birthday party in London. He delighted in telling stories. He is particularly fondly remembered by the Fitzwilliam Society, the College’s alumni association. And his secretary throughout his time at Fitzwilliam, Janet Whalley, who supported five different Masters in her time at Fitzwilliam, described him to me as a very kind, thoughtful and gentle man.

To return to where I started. Alan was determined to drive up standards in the College and to dispel once and for all any feeling that might have remained that Fitzwilliam was a second-rate College. There were then still some remnants of the ‘old’ Fitzwilliam, those who felt that it was difficult for us to play on equal terms with other, older, Colleges. That thinking was simply not tolerated under Alan. He succeeded in convincing the Governing Body of the need for a full-time professional Bursar and was responsible for the appointment of Christopher Pratt, with fundraising explicitly to say under his bursarial umbrella. The finances, and indeed the Bursary itself, were transformed. Alan was the first Master, I think, to commit significant time and energy to the business of fundraising, recognizing how essential this was for the future of collegiate Cambridge education and experience. He worked hard to establish links around the world, exploring joint ventures not only in Singapore, where the College had a strong link through Lee Kuan Yew, but also in Japan. In April 1996 he signed the first agreement with Tsuzuki Gakuen, bringing home a promise of half a million pounds. I have returned this week from a brief visit to Fukuoka, giving to, and did for, the College.

Alan would not have been Alan without Hetty. He knew the value of his family even in the early years of his career when it was not fashionable for ambitious academics to recognize the demands and joys of their families. He was wonderfully supported in his role as Master by Hetty, who is remembered by the College staff for her supportive interest in their work and by generations of students for her desserts. Her kindly encouragement of, and interest in, both staff and students was hugely appreciated. They were the first Master and wife to invite students regularly to the Lodge. Alan is fondly remembered also as a genial and welcoming presence behind his BBQ in Oakington.

There was nothing pretentious in Alan. He was proud of his roots and the start of his career at Leicester College of Technology. He was delighted to become a Governor of its successor, de Montfort University, in 1998 – a post he continued to hold until 2005. Throughout his retirement he maintained a loyal, well beyond-the-call-of-duty, post-retirement presence in Fitzwilliam at alumni reunions, London dinners and domestic Retired Fellows’ evenings. He offered me kindly encouragement and support.

I am delighted that the Dean of this Chapel and the Cuthbert family are happy for the plates at the back of the Chapel to collect contributions to the Cuthbert-Edwards Fund, which awards an annual Cuthbert Prize and defrays the cost of medical and veterinary students’ electives and travel costs. The Cuthbert Fund was originally established by a gift from Professor Harry Margolius (Visiting Fellow in 1996 and Professor of Pharmacology in the Medical University of South Carolina), augmented by donations from former students of medicine and related sciences in the College. The Fund was re-named in 2004, with Alan’s consent and characteristic encouragement, following the death of Dr Tony Edwards, another towering character in the history of Fitzwilliam College.

The chair which Alan so often occupied in recent years, at the napkin end of the High Table, seems sadly empty without him, without his presence. We already miss his twinkling eye and his sense of fun. He was loyal to the College and committed to it, no-nonsense and hard-hitting when he thought it appropriate, and a firm leader of Fitzwilliam College at a crucial stage in its history. Fitzwilliam College owes him a lot and is thankful for all he and Hetty gave to, and did for, the College.
Alan Cuthbert – Pharmacologist

PROFESSOR MICHAEL EDWARDSON, PROFESSOR OF MOLECULAR PHARMACOLOGY AND HEAD OF DEPARTMENT, FELLOW OF FITZWILLIAM COLLEGE 1989–2002

Alan read for a first degree in Pharmacy at Leicester College of Technology. His growing interest in biology led him to the University of St Andrews, where he was one of the first students studying on the new BSc course in Pharmacology. Following a short-service commission in the Royal Navy, he began graduate research at the School of Pharmacy under the legendary Gladwin Buttle. During his time at The Square his profile was increasing, and he was being noticed. Eventually in 1962 he was recruited by Arnold Burgen to the embryonic Department of Pharmacology at Cambridge, then embedded within the Physiological Laboratory.

I first met Alan forty years ago, when I asked him to take me on as his graduate student. I did so because of his inspirational Part II lectures on epithelial ion transport, which included a description of his own work on the epithelial sodium channel. Alan was using radiolabelled amiloride to measure the sodium channel density in epithelia from frog skin and toad bladder, tissues that are remarkably good models for a section of the mammalian kidney tubule. His work, for which he was later elected to the Royal Society, shed important new light on how the properties of these channels were modified by hormones such as aldosterone and antidiuretic hormone, and increased our understanding of how diuretics affect kidney function.

The three years I spent as Alan’s graduate student were exciting and productive, but also fun. He was an outstanding supervisor – happy to let me try out my own ideas, but there to offer support when it was needed. My first job was to synthesize radiolabelled benzamil, a new high-affinity ligand for sodium channels. I remember doing some of the chemistry at the bench alongside Alan. In retrospect, we were both pretty hopeless chemists, and we certainly should not have been trusted with the metallic sodium that was required for one of the steps. But astonishingly, we survived, the synthesis worked, and we made enough compound for all of our experiments.

Alan became Shield Chair and Head of the Department of Pharmacology in 1979. At the time, the Department was located on the Addenbrooke’s hospital site, so that staff had to cycle up and down Hills Road to deliver lectures and run practical classes. This clearly was unsatisfactory, and Alan worked enormously hard over several years to move the Department to the centre of town. Eventually he was successful, and in 1989 the Department moved to a new building on Tennis Court Road, where it remains today. This relocation to purpose-built accommodation closer to other biomedical science departments was probably Alan’s greatest legacy to Pharmacology in Cambridge, and it catalyzed academic–industrial interactions via the embedded Glaxo Institute of Applied Pharmacology, as well as through interactions with colleagues outside the Department.

Alan was passionate about the discipline of Pharmacology. He was immensely proud of the independence of the Department in Cambridge, and we in the Department could always have confidence that Alan was out there fighting our corner. He also made major contributions to pharmacology nationally and internationally. For instance, he served as chairman of the editorial board of the British Journal of Pharmacology for eight years, and as President of the Federation of European Pharmacological Societies for two years. In recognition of his contributions to the subject, the British Pharmacological Society awarded him their Wellcome Gold Medal in 2005.

In the late 1980s Alan turned his attention to the ion-transport deficits that underlie cystic fibrosis (CF), and was a member of the team that showed that the ion-transport defect could be corrected in CF transgenic mice by gene therapy. Alan retired in 1999, but he continued his research in the Department of Medicine, pursuing novel pharmacological approaches to the treatment of CF. His last research paper appeared only last year. Fittingly, Alan was the first author. As ever, he was the man at the bench.
COLLEGE NEWS

Honorary Fellows, Patrons, and Fellow Benefactors

Professor Angus Deaton (1964), who was awarded the Nobel Prize in Economics in 2015, received a Knighthood for services to research in economics and international affairs. He is an Honorary Fellow of the College.

Ms Helena Morrissey CBE (1984) was elected to an Honorary Fellowship. She is CEO of Newton Investment Management and founder and chair of the 30% Club, a cross-business initiative aimed at achieving at least a 30% representation of women on UK corporate boards. She was also instrumental in establishing the Women’s Boat Race on equal terms with the men’s race – on the same day, on the same river. Helena Morrissey received the degree of Doctor of Law honoris causa at the Congregation on 15 June 2016.

Fellows

In the annual round of promotions to senior academic posts, five Fellows have been promoted with effect from October 2016: one Professorship, three Readerships, and one Senior Lectureship. Dr David Coomes has been appointed to a Professorship in the Department of Plant Sciences. Dr James Aitken has been appointed to a Readership in the Faculty of Divinity; Dr Kasia Boddy has been appointed to a Readership in the Faculty of English; and Dr Jason Rentfrow has been appointed to a Readership in the Department of Psychology. Dr John Leigh has been appointed to a Senior Lectureship in the Department of French.

Dr Andrew Jardine has been appointed University Lecturer in Condensed Matter Physics, from September 2016.

Last summer, two very long-term members of the Fellowship – Dr William Allison since 1983, and Dr David Scott since 1985 – retired and were elected to Life Fellowships.

Bill Allison came to Cambridge in 1980, from UCL. Throughout his career he has been an experimental physicist, developing scientific instrumentation for the study of surface interactions and scattering of excited atoms under ultra high vacuum conditions. He complemented the research side with considerable teaching, and last year was awarded a Pilkington Prize for his inspirational and innovative teaching.

As well as teaching in College, he was Director of Studies from 1985 to 2002; for the same period, he was College Safety Officer. From 1991 to 1994 he was Admissions Tutor for Sciences, working with John Mullan who handled Arts. A particularly important part of his contribution to the College was as Graduate Tutor for about fifteen years up to 2010, not only dealing with the welfare of individuals but emphasizing the importance of Graduates within the College community, building them up in both quantity and quality, and enhancing the financial and the physical provisions for them.

In addition, Bill has been an Executive Trustee of the JMA and has served on the Audit Committee. His other major role has been with the Garden Committee from 1987. He chaired it from 1997, as he did its successor the Estates Committee – which in recent years has

Mr Xiaoyang (Chris) Xie (2006) was elected as an 1869 Fellow Benefactor in recognition of his donation in 2016, the majority of which was allocated to support Engineering students through the Fitzwilliam Engineers Fund. After working in high-frequency trading in London, Xiaoyang established hedge fund TianYan Capital in Shanghai in 2013.
had so much to do in consequence of the provision of new buildings and the extensive refurbishment and enhancement of our existing stock.

David Scott came to Cambridge as an undergraduate mathematician at Peterhouse, and subsequently was a research student there. His move to Chemical Engineering came only in 1983, and since that time he has greatly influenced the Department's teaching; he too got a Pilkington Teaching Prize, in 2011, for which the citation included His impact on course innovation and the introduction of new teaching modules is exemplary. The success of the Chemical Engineering Tripos is in very large part attributable to David’s dedicated work. He has been deeply committed to the College – as Tutor, as Director of Studies, as Sciences Admissions Tutor from 1994 to 2000, and as Safety Officer for a total of about eight years. In particular, he was Senior Tutor from 2000 to 2006, and in that role was very effective not only with the students but also in staff management and support. He has an immense ability to say so much in few words – telling it straight, but with great humanity and empathy – and would never turn down an unattractive or a difficult job.

Whilst engaged in an international project on biodiversity and land-use impacts in tropical ecosystems, Dr David Coomes has discovered what probably is the tallest tree recorded in the Tropics. This is an 89.5m Yellow Meranti (Shorea faguetiana) – a species which is classified as endangered. The tree was found in the Maliau Basin Conservation Area in the centre of Sabah (the northern region of Malaysian Borneo); its height places it ahead of the previous record-holder, another Yellow Meranti 88.3m tall situated 130km to the east in the Tawau Hills National Park close to the Borneo coast. The project has funding from the Natural Environment Research Council (NERC), and David worked with the Sabah Forestry Department, the South-East Asia Rainforest Research Partnership and the NERC Airborne Remote Sensing Facility. The tree was identified from the air using a LiDAR scanning laser system that generates highly detailed three-dimensional images simultaneously of the rainforest canopy and of the surface of the underlying ground; its use in conjunction with multi-spectral imaging provides information on the form and the condition of individual trees and undergrowth.

Research Fellow Dr Hazel Wilkinson has been presented with a Vice-Chancellor’s Public Engagement with Research award. Her website journallists.org, developed in collaboration with Dr Will Bowers at the University of Oxford, allows readers to engage with instalments of periodicals, diaries, letters, and novels, on the anniversaries of the day on which they were originally published, allowing readers to rediscover the original circumstances of writing and production. Hazel has been awarded also the Carr-Thomas-Ovenden Visiting Fellowship in English Literature at the Bodleian Libraries (2016–2017), and the 2016 Mark
As usual, there was an extremely vigorous competition for the Research Fellowship for 2016; there were 232 applications for one stipendiary position. The Fellowship was awarded to Mr Tilman Flock, of the Medical Research Council Laboratory of Molecular Biology. A short biography is on p.26. Also elected to a Research Fellowship was Dr Daria Frank, p.26, who is a Research Associate at the Department of Applied Mathematics and Theoretical Physics.

Amongst the Research Fellows there naturally is turnover, and we congratulate Dr Ailsa Hunt on her election to a Fellowship at Newnham College. Ailsa holds a temporary Lectureship in the Faculty of Classics, and she will take up a Lectureship in Ancient History at the University of Birmingham in September 2017. Her Research Fellowship was funded by the Newton Trust, and her successor as Newton Trust Research Fellow is Dr Stuart Middleton.

Philine zu Ermgassen’s time as a Research Fellow is now over, and she has moved away from Cambridge after contributing extensively to College life as well as to teaching and to her very successful research. Maria Lacovou has left after only a short time: a Bye-Fellow for two years, and a full Fellow for only one, during which time she was an energetic Graduate Tutor.

Dr Helen Bettinson has retired after five years as Development Director but continues as a Bye-Fellow in order to continue the support of Development activities in specific areas of the world, p.27.

Life Fellows

Professor Sir Anthony Bottoms has been admitted to the Honorary Degree of Doctor of Laws at Edinburgh University.

Bye-Fellows

Some Bye-Fellows have moved on to other university appointments and colleges. Dr Ed Pickering (2007) was appointed to a Lectureship in Metallurgy at the University of Manchester, from December 2015. Dr John Robb was appointed to a Professorship in the Department of Archaeology and Anthropology from October 2015 and has accepted a Fellowship at Peterhouse. Dr Povilas Lastauskas has left for a post in Vilnius.

Dr Robert Harle has received a Pilkington Prize for excellence in teaching.

Dr Matthew Neal has been commended as a Supervisor in the annual CUSU Student-Led Teaching Awards. Over 700 nominations were received this year by the University’s Student Union and the judging of the Awards was carried out by a panel of students.

Junior Members

Conor Monighan (2014) won the £3000 first prize in The Times / Kingsley Napley Student Advocacy Competition in September 2016. The topic was Is it time to give anonymity to defendants accused of rape and other sexual crimes? The competition had 77 entrants, each of whom had submitted a 90-second clip of themselves speaking on the topic, supported by an 800-word essay; the top four argued their case in front of an audience and a judging panel.

Conor was on the committee that re-founded the Debating Society last year – the most recent incarnation of a society that goes back at least as far as 1874 (and so pre-dates the invention of the Fitzwilliam name for Non-Collegiate Students!); then, the termly subscription was one shilling.
At the Governing Body meeting on Wednesday 8 June 2016, the JCR President was able to announce that – within the last hour – Fitzwilliam had won Cricket Cuppers for the first time in forty-four years.

The allotments on the main College site have now been in operation for two years. Founded in 2014 with the help of Fellows Jonathan Cullen and Tim Hughes and Head Gardener Steve Kidger, and partly funded by the Fitzwilliam Society, the student-run community allotments are located behind Wilson Court. The beds are open to all students and to both academic and assistant staff, both for individual growing and for regular communal gardening sessions using seeds and equipment paid for by the College. The Society also recently donated funds for a mini-greenhouse. Two gooseberry bushes were donated by Steve Kidger in late 2015, adding further variety to the College’s colourful edible-plant garden.

The Foundation Lecture

The Foundation Lecture for 2015 was given by Maurice Bloch FBA, Emeritus Professor of Anthropology at LSE, on The contributions of British social anthropology to the human sciences. Professor Bloch was a PhD student at Fitzwilliam from 1962, at the time when he was conducting his first fieldwork in Madagascar. After the bequest, made in 1962 by his widow Jane Wylie Adam, to disseminate knowledge, promote discussion of issues of general interest and concern and to foster the use of plain and simple English.

Other News

The College has received a donation of twenty-four non-representational paintings from the collection of the internationally-renowned sculptor Sir Anthony Caro. Nineteen of the paintings are on public display in Gatehouse Court; they are by fifteen different artists – mostly British artists, but also American, Canadian, Catalan, French and South African. As they date from the 1980s, they are highly appropriate for the location.

The Arrol Adam Fund

The Arrol Adam lectures for 2016 have been a series on The Problem with Economics, organized by the President, Dr Sean Holly. In February, Professor Coen Teulings, Montague Burton Chair of Labour Economics and Industrial Relations at the University of Cambridge, spoke on Secular stagnation, the introduction of the pill, and house prices. The second lecture was on Neoliberalism: the theory and the empirics, by Dr Ha-Joon Chang, Reader in the Political Economy of Development, University of Cambridge. The Economics lecture series continues in the 2016–2017 academic year.

The Arrol Adam Lectures were set up in memory of William Arrol Adam, who read Chemistry at Fitzwilliam House in 1905 and died in 1939. It was the stated intention of the bequest, made in 1962 by his widow Jane Wylie Adam, to disseminate knowledge, promote discussion of issues of general interest and concern and to foster the use of plain and simple English.

From the Caro collection: Untitled (1985) by Fred Pollock
A new sculpture, *Dark Planet* by David Harber, has been installed in Tree Court. The sculpture was donated by alumnus Roger Graham OBE (1958) and his wife, Irene, as part of their major gift towards the refurbishment of A Staircase. *Dark Planet* consists of hundreds of pieces of Welsh slate joined together to form a sphere, through which light from inside permeates the fissures between the stones.

Two teams – the Fitz Fliers and the Fitz Triers – both composed of staff and Fellows, ran in the Chariots of Fire relay race for the third time in September 2016, under the organization of Claire Claydon, Assistant to the Senior Tutor. Each person ran a lap of 1.7 miles. The Fitz Fliers – David Cole, Josh Few, Andy Hacket Pain, Jason Rentfrow, Hazel Wilkinson, and Jack Clarke – were the second-fastest college team, coming in 33rd out of 380 teams, with a total time of 65.4 minutes. The Fitz Triers – Jack Clarke, Rob Clarke, Rachel Camina, Jon Turner, Matt Wingate, and Magda Wright – were 254th. The teams raised £1,040 for Papworth Hospital Charity, beating last year’s total.

**Fitzwilliam – fifty years as a college**

In 2016 we celebrated Fitzwilliam’s half-century as an independent college in the University, in consequence of its incorporation by Royal Charter. But in 1966 Fitzwilliam College was not a new creation; already it had been the subject of nearly a century of evolution – starting with the first intake of Non-Collegiate Students by the University in 1869, to enable men of limited financial means to enter Cambridge. Fitzwilliam Hall came into being in 1887 as a base for non-collegiate students, but it was without official status: for this, the first step was in 1924 when Fitzwilliam House was recognised officially in University Statutes – but it was still governed by the Non-Collegiate Students Board and constitutionally was a department of the University. Fitzwilliam had collegiate aspirations throughout the twentieth century, but they came to fruition only at the century’s two-thirds point.

Several strands had to come together before collegiate status could be achieved. In earlier times, the members of Fitzwilliam had found themselves in opposition to a generally antipathetic collegiate University, but by the mid-1950s it was clear that Cambridge would have to take many more students; thus there was an incentive to bring Fitzwilliam into collegiate Cambridge rather than closing it as an anomaly – in this way, some of the expansionary pressure on the established colleges would be alleviated. The general availability of local-authority grants for undergraduates had removed the need for a distinct low-cost route into Cambridge. And Fitzwilliam had a site and building plans (with Government funding for building, to which the Non-Collegiate Students Board was entitled as part of the University – even though it was understood that Fitzwilliam would soon attain independence as a college and thereby become ineligible). That expansive era was utterly different from the present-day world!

In order for Fitzwilliam to become a College, the arrangements for its government had to be established. As a corporate body, it needed a Royal Charter, and this had to be accompanied by a set of Statutes in accordance with which the College would operate. The production of statutes and the transition to a collegiate model of administration was facilitated by the appointment of a group of Fellows for Fitzwilliam House to work with the Censor, Dr Walter Wyatt Grave (who was to become the first Master of the College).

The Non-Collegiate Students Board appointed a first ex-officio batch of Fellows in January 1963 – the Bursar, W.W. Williams, and Tutors and Directors of Studies: Dr S. Dickinson (Agriculture), R.W. Haywood (Mechanical Sciences), Dr C.L. Wayper (History), Dr T.W. Wormall (Physical Sciences), R.N. Walters (Tutor; English), J.E.G. Utting (Economics), Dr R. Kelly (Assistant Tutor; Modern Languages), B.M. Herbertson (Assistant Tutor; Medicine) and Dr J. Street (Assistant Tutor; Modern Languages). G.F. Hickson, Secretary of the Board of Extra-Mural Studies, also was elected. Less than a fortnight later, they added A.G. Hunt (Classics) and Dr A. Lazenby (Assistant Tutor; Agriculture). In addition, they went beyond ex-officio appointments, to: Dr D. Kerridge (Biochemistry), H. Nicholson (Engineering), and Dr G.M. Blackburn (Organic Chemistry). Further elections took place during 1963, with: Dr S.G. Fleet (Mineralogy),
Dr P.J. Padley (Physical Chemistry), B. Hall (Theology), P. Haggett (Geography), Dr H.J. Hudson (Botany), Dr J.M. Coles (Archaeology), and finally Dr A.V. Edwards (Physiology). Thus by October 1963 there were in post many who were to play key roles in the House and the College for the next three decades.

An early action of the Fellows of Fitzwilliam House was to prepare the Statutes: these had to be approved by the Privy Council before the Royal Charter could be issued. This was undertaken briskly, but with some controversy – and some unfortunate decisions. The first draft was based on statutes of existing colleges, predominantly Emmanuel, the college of Dr Grave; during refinement of the text, he had – and firmly exercised – the advantage that he alone had prior experience as a college Fellow.

Consideration by the Fellows of the clause of the Statutes which restricted College membership to men gave rise to close debate – and in retrospect clearly to the wrong outcome. The possibility of mixed colleges was becoming a live issue, and not just amongst eccentrics and rebels – in 1964 the Council of the Senate had mooted the possibility for Fitzwilliam to achieve a unique position as the first mixed college with undergraduate members (more than a year before King’s College eliminated its gender-restrictive statute) was closely defeated, by 15 votes to 12. The defeated proposal was to add a final phrase except by a two-thirds majority of the Governing Body to the draft of Statute I.2 No woman shall be eligible to be Master, Fellow or Scholar, or shall be a Member of the College. So the College was condemned to statute revision more than a decade later – and to become an also-ran amongst the mixed colleges rather than having the advantages of being the pioneer.

It took eight long meetings closely packed into four weeks early in 1965 to go through the Statutes. Every clause in each of the sixty-one statutes was looked at in detail. Care was taken to define the arrangements for the Master, and note was taken of changing social mores: College Servants became Assistant Staff, for instance.

With the last few adjustments approved by the Privy Council on 2 June 1966, Her Majesty in Council approved on 28 July the grant of a Charter of Incorporation to Fitzwilliam House, under the name and style of The Master, Fellows and Scholars of Fitzwilliam College in the University of Cambridge. The Charter received the Great Seal on 9 September, and the next day the Statutes came into effect.

The long-awaited dream of full collegiate status had become a reality and the Non-Collegiate Students Board went into honourable retirement, its endeavours over ninety-seven years having provided a route into Cambridge for so many men who otherwise would not have had the opportunity, and having done for them the best that limited resources could provide.

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The attainment of collegiate status was marked in a traditional manner, by gifts of silver from members, from friends, and from other institutions. All of the items shown except numbers 6 and 7 are by Gerald Benney, probably the most distinguished twentieth-century British goldsmith and silversmith. Benney was born in 1930, studied at the Royal College...
of Art, and produced both exquisite individually-commissioned pieces and highly innovative designs for mass production. A characteristic feature of his work is the hammered ‘bark’ texture: a very durable work-hardened surface, reducing fingerprinting and tarnishing, and contrasting with plain, highly-polished regions.

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The fiftieth anniversary was celebrated on Friday 8 July 2016, when just over a hundred Fellows and former Fellows attended a reception and dinner. Three of them had been Fellows of Fitzwilliam House: Professor Michael Blackburn (whose appointment dated right back to January 1963) and Dr Peter Padley, neither of whom had continued into the collegiate era; and Professor David Thompson, who joined Fitzwilliam
House as a Research Fellow in 1965 and now – after more than half a century with Fitzwilliam – is a Life Fellow. Professor Geoffrey Whittington became a Fellow at the very beginning of the Fitzwilliam’s first academic year as a college.

Altogether in the half century about 307 people have been Fellows of Fitzwilliam, of whom about 267 are alive. Currently there are about 54 Fellows and about twenty Life Fellows; nearly two hundred have moved on to other appointments or have retired in post. In addition, about 67 people have been Bye-Fellows who have not subsequently become Fellows; and there have been about 190 Visiting Fellows.
**The Bursar’s Notes**

**Financial reporting structure**

This year, it has been necessary to make some substantial changes to the presentation of the Accounts, arising from the introduction of a new Financial Reporting Standard (FRS 102), and some consequential changes in policy. The new standard requires the College, as a charity, to produce a ‘Consolidated Statement of Comprehensive Income and Expenditure’ (SOCIE), in which all donations, as well as asset gains and losses, are treated as income. This presents an unrealistic picture for an endowed charity, for which new endowments cannot be spent and expendable donations (including those for buildings) may fund expenditure for several years beyond the year of donation.

To assist understanding, therefore, we present the SOCIE divided into three categories – Unrestricted, Restricted and Endowment. Whilst it would be tempting to focus on the ‘Total surplus or deficit for the year’, which shows an operating surplus of £4.54 million (from which £0.516m should be deducted as an allowance against pension-scheme deficits), this result entirely from increases to endowments and restricted funds, so that the true measure of the operational performance of the College is given by the ‘Unrestricted’ category – which is in deficit to the extent of £142,000.

The College has also taken advantage of the opportunity afforded by the new Reporting Standard to revalue the buildings on the College main site, and, as a consequence, reassess its annual provision for depreciation – the amount we set aside each year to recognise the need for continual reinvestment in the buildings and other assets of the College. The revaluation increased the value of the College’s fixed assets by £43.7m, increasing the College’s ‘net worth’ at the year-end to £119.7m. This is after taking into account the inclusion in the Balance Sheet of pension fund deficits for the first time, which has had the effect of reducing the net worth by £2.4m.

The increase in depreciation charges amounted to more than £500,000, causing the operational result to move from surplus into deficit. The level of depreciation in these accounts is now much more realistic in the light of known reinvestment needs, and the resulting financial deficit reflects the reality that the College is, as it always has been, reliant upon continuing philanthropy to maintain its resources in perpetuity.

**Results for the year ended 31 July 2016**

Making allowances for all these changes, I am very pleased to report another satisfactory financial year for the College, with the operating surplus (before deducting the depreciation allowance) increasing from £1.23m to £1.32m. Income grew by 5.1% and expenditure by 4.8%.

This good performance was due largely to increased income from conference and catering activities, together with personnel costs coming in well under budget. These factors have offset budget shortfalls in fees, and in rental income, but also have enabled expenditure increases for academic and tutorial purposes.

The permanent endowment (which now excludes all expendable reserves, including expendable restricted funds) has increased from £50.8m to £53.9m. Of the increase, £1.9m arose from investment growth, and the balance came from new donations, including the grant from the Colleges’ Fund of £285,000, for which we were once again extremely grateful. For our size we remain one of the least well-endowed of the undergraduate colleges.

Restricted expendable reserves at the year-end stood at £3.2m, of which £842k was for building projects, including the Dining Hall roof, the upgrade of which we hope to complete in summer 2017.

This combination of a sound operating performance and the generous support from alumni and other donors have come together to enable two notable achievements which I would like to highlight.

Firstly, the total funds paid to our students – in the form of bursaries (including the Cambridge Bursary Scheme), scholarships, grants from the Student Opportunities Fund, and travel funds – reached a new
The costs of the Cambridge Bursary scheme are shared between the College and the University, and Fitzwilliam was very grateful to receive additional support from the Isaac Newton Trust for the College share, to the extent of £50,963; in four years’ time the College will have to find this additional amount from its own resources. The College’s contribution to all student bursaries in the year amounted to 12.3% of fee income.

The second achievement has been the successful financing of the refurbishment of A–C staircases. I am delighted to report that not only have we met our target to fund 50% of the cost of internal refurbishment by donations, thanks to the generosity of our alumni and other institutions, but also that the College has been able to meet its share of the cost from cash flow, without touching its limited general reserves. This suggests that our formula is suitably prudent and we can approach the next phase of the works with some confidence.

Looking ahead, we need to retain our focus on the same priorities. We are only in the early stages of the refurbishment programme, and requirements to provide financial support to both graduate and undergraduate students from College resources continue to grow. Sustaining the unique Cambridge teaching model is of course the bedrock on which all else is built. The 2015–2016 performance is a good base to build on, but there will be many calls on our limited resources in these uncertain times, and we are fortunate indeed to have such loyal support from our alumni and friends.

Investments

The Investment Advisory Committee has spent a considerable time during the year reviewing the College’s investment strategy. The decision by the Governing Body to transfer the management of the College’s investment portfolio from Sarasin and Partners LLP, with whom we have worked for over 20 years, to JP Morgan Asset Management signalled a significant change in direction for the management of the portfolio: away from the traditional actively-managed equity-biased approach in the hands of a single ‘multi-asset’ manager towards a strategy based upon a wider spread of investments, with a focus on selecting the best-performing manager in each asset class where value can be added by active management, and otherwise by the use of low-cost index-tracker funds.

The proposed approach is also geared towards achieving more demanding returns than the current portfolio and is more consistent with that used by the higher-performing endowment funds. The Committee believes that this is an appropriate move, given the long-term nature of the College’s investment horizon. The transfer took place over the first two weeks in August. I would like to express my appreciation to my fellow members of the Committee, including the
student members and the three external members, who have worked tirelessly to complete this review in a very professional way.

The Investment Advisory Committee was extremely pleased to invite student representatives to attend its meetings for the first time from April 2016. This initiative was the product of discussions with Positive Investment Cambridge, and reflects the interest shown by student members in investment policy.

**College Buildings**

The year 2016 has seen the successful completion of the first phase of the refurbishment of the Freshers’ accommodation in Tree Court; we now have 61 modern refurbished rooms in A, B and C staircases, including two ensuite wheelchair-accessible rooms. I remarked last year on the challenges of completing such major works in the time allowed by the Long Vacation; and, despite taking all possible steps to avoid a recurrence of the issues which affected the A-staircase work in 2015, we were unable to accommodate 13 students at the beginning of term. This time we had prepared well in advance for the contingency, and ‘Z Staircase’ – consisting of nine temporary accommodation units – sprang up in the Fellows’ car park by the Porters’ Lodge in the week before the start of term. These proved remarkably popular with their residents, and several outdoor parties gave evidence of the balmy autumn evenings at the start of term!

To have completed these first three staircases is a huge achievement and we are immensely indebted to our professional advisors, RH Partnership (architects), Edmund Shipway (project managers), Roger Parker Associates (environmental services), Peter Brett Associates (structural engineers), as well as to the main contractors Quinn London Ltd. Our own staff have worked incredibly hard to bring the project to a successful conclusion – Andy Milne (Domestic Bursar), Julian Eddy (Maintenance Manager), Diane Pickles (Accommodation Manager) and Agnes Giangrande (Housekeeping Manager) and their successors deserve an enormous amount of credit. Members of the Fellowship, especially the members of the Estates Committee, have been hugely supportive. We are proud to show our new accommodation to prospective students, and already we are seeing the results in terms of increased applications to the College.

At the time of writing we are on the point of submitting a planning application for the next phase of the work, which will sympathetically modernise the Huntingdon Road façade, and re-landscape the approaches and the car park. Internal works will focus on the remainder of Tree...
Court. The early estimates for this phase suggest that the cost will be around £5m, and it will be two or three years before we are in a financial position to proceed.

In the meantime, we are finalising the plans for undertaking in Long Vacation 2017 the repairs to the Dining Hall roof, thanks to the generous financial support of The Headley Trust and Xiaoyang Xie (2006), p.6. The main challenge with this work, on this, the most delicate and sensitive of the structures of the College buildings, is the scaffolding. To avoid putting any load on the structure of Lasdun’s building whilst providing the necessary access to the upper part of the Hall, we will have to span the entire structure with two 40-metre scaffolding beams! This work is expected to start as soon as graduation is complete, and may continue into the Michaelmas term. However, we will not lose the use of the Hall during this period, so the Reunion dinners should be able to proceed as usual.

A final note on Estates is that in November 2016 the Governing Body approved the proposals for an extension to the MCR adjacent to The Grove. This much-needed facility will be incorporated within the line of the existing wall around the Grove courtyard. The architects have come up with an exciting design, approved by the conservation officers, which is sensitive both to The Grove itself and to the Library behind. The project will proceed only if a donor can be found.
Staff

Last but not least, I would like to pay tribute to the work of the Staff, without whom the College could not function. The Catering Staff, the Housekeepers, the Librarian, the Porters, and the members of the Tutorial Office ensure that our students’ needs are looked after, the Maintenance and Gardening and IT staff keep the College in good working condition, and the Administrative Staff behind the scenes also make a vital contribution. Some have been mentioned already, but I could name many others who consistently go above and beyond the call of duty to make sure that we deliver the best possible experience for our students and Fellows. I am incredibly grateful to all of them for their loyalty and dedication to the College.

We suffered a sad loss in the summer in the untimely death on 29 May of Len Coleman, our long-serving painter and decorator. ‘Lennie’, as we knew him, was a popular colleague who always had a kind and cheerful word for everyone. He is much missed.

On a more cheerful note, Jacqui Cattle (Deputy Hall Supervisor) took part in The Universities Catering Organization culinary competition at the University of Warwick. She entered the Food Service Skills class whereby she had to design a table layout and menu, lay the table to include four different napkin folds, and then serve a three-course lunch (including wines) to four guests. Jacqui took third place, her prize (along with a glass vase and champagne) being a week’s training at Raymond Blanc’s Le Manoir aux Quat’Saisons hotel in Oxfordshire!

The Porters’ Lodge starts 2017 with several new faces and a new structure, following the retirements of Denise Cresswell and Chris Sell. Trevor Everett has been promoted into the new role of Senior Porter and he is joined in that role by Mark Rivvers who comes to the College from St Catharine’s College.

Michael (Bill) Brighty, Senior Gardener, also retired at the end of March, after 15 years’ service with the College. We wish Denise, Chris and Michael every happiness in retirement.

Catherine Jagger joined the Master’s Office as Assistant Secretary to the Governing Body (a new post) in September. We welcome her and all the new members of staff who have joined the College in 2016.

ANDREW POWELL, BURSAR
Fitzwilliam Hall on the Somme – with both tragedy and success on 14 July 1916

In 2016 we recognised the centenary of the Battle of the Somme, which ran for about nineteen weeks from its opening on 1 July 1916 – when on that first day over 57,000 were lost: dead, wounded or missing. Ten Fitzwilliam men died on the Somme – the first on 14 July 1916, towards the end of the relatively active phase of the battle. The other nine died in the area over the following four months, as the battle degenerated into an exercise in attrition.

The Battle of the Somme put to a very substantial test the New Army introduced by Kitchener. Its establishment had been a remarkable experiment. The mass army was improvised rapidly and, although there had been significant improvements to both Regular and Territorial forces in the period after the Boer War, there was rather little provision for expansion and a very small cadre of trained men as a basis. Tactics reflected the limited competence that was expected from the recruits.

An illustration of the poor understanding of training requirements is given in a letter in May 1915 from a Fitzwilliam man, Second Lieutenant William Carter, to William Fiddian Reddaway – the Censor of Non-Collegiate Students, the principal officer of Fitzwilliam Hall – claiming of his rather basically trained recruits that as discipline is now becoming more and more pronounced, by the time we have finished our musketry course we shall be just about ready for service in any part of the world. It speaks volumes for the men that they still show considerable keenness in their work, when consideration is made for the fact that their training has been hindered by lack of equipment and material. The routine here is rather monotonous but it is now and then varied by a few ceremonial parades.

Such provision, which was all that was practicable, could not meet the requirements for men who were to tackle well-prepared defensive positions. The emphasis in training was to instil discipline rather than intelligent competence and, consistent with that, the new recruits spent a high proportion of their training time on close-order drill. This was a particular failing of the British army, and contrasted strongly with what could be achieved in the German army (which had based its pre-war system on much higher quality conscript recruits: before the war the British army had recruited predominantly from the unemployed, and had to reject a high proportion as they failed to meet even basic physical standards). The disregard for initiative was consistent with the belief that orders simply needed to be passed down and followed by the lower ranks, such control in turn necessitating a higher proportion of junior officers and non-commissioned officers to men than in the German army, and resulting in inactivity or severely-degraded performance when officers and NCOs were incapacitated. Indeed, this did not apply solely to the management of private soldiers; at all levels amongst the officers there was an undue emphasis on top-down command without delegation of responsibility for decision-making, and grossly inadequate provision for the feedback either of long-term practical experience or of urgent information.

William Carter – by that time Lieutenant Carter – was to be the first Fitzwilliam man to be killed in the Battle of the Somme, on 14 July 1916. He died without identifiable trace and, like so many others, is commemorated on Sir Edwin Lutyens’ great arch at Thiepval, the Memorial to the Missing of the Somme.

Other action on 14 July was described in a letter to Reddaway from Lieutenant Frederic Scott. A week previously, on 8 July, he had moved up to Contalmaison where we completed the capture of that place by surrounding and demolishing three houses at its northern end, capturing about 100 of the Prussian Guard. After four days consolidating and holding on there, we were withdrawn to Fricourt, where our Brigade was concentrated. There we were told that to us had been given the honour of making the first attack on the German second-line system. The 13th was spent in preparing for our attack by carrying up bombs and ammunition to the northern edge of Mametz Wood, from which we were to debouch and attack. Our task was to take Bazentin-le-Petit Wood and village, and hold a line north of them.

We attacked at dawn on the 14th, ‘France’s Day’, and by 8:00 am we had captured the wood, with five lines of trenches in it, every tree acting as a staple for barbed wire, and by 8:50 we had taken the village (and 600 prisoners) and reached our objective. We had the supreme satisfaction of seeing the cavalry come through us into the open, and then we resisted five massed counter-attacks, in which the Huns suffered enormously.

I was hit about noon and left the fighting line about 4:00 pm, when we had lost about 75% of our strength. However, our line held strong, until the night of the 15th when the remnant of the Leicestershire Brigade was relieved. It was a great fight – hand to hand, mostly, and the enemy fought desperately. ‘Bazentin, c’est la gloire anglaise’ say the French, and my wound seems a trivial price to pay for the honour of having a hand in it. Actually, his action was recognised more tangibly. He was awarded a Military Cross, and the citation read...
For conspicuous gallantry during an attack. Although badly shaken by a bursting shell, he collected thirty men and dug himself in in a forward position, holding it under heavy fire for a day and night. He was wounded, but refused attention until he had withdrawn his party.

Scott survived the Somme, but was to die in May 1918.

Overall, the Somme offensive achieved an advance of about 13 km on a 30 km front, with more than a quarter of that area captured in the first two-week period.

In the later attritional phase nine more Fitzwilliam men were to die – identifiable remains of four of them were never recovered so, like Carter, they are commemorated on the Thiepval Memorial: Allan Alford, Cyril Allison, George Stout, and John Swallow. The bodies of the other five men – Alec Boucher, Bernard Downman, Oswald Elliott, Eric Player, and William Shaw – were recovered and buried in various cemeteries in the area.

The Somme deaths between July and November 1916 represent about a quarter of the Fitzwilliam deaths in the Great War. During the war a total of forty-four men died, out of about 300 from the Hall who served abroad – about 230 of them as combatants, and about 13 as members of the Royal Army Medical Corps. There were also about 46 chaplains, and about 14 provided welfare for troops through the YMCA.

It is anticipated that Dr Cleaver’s new book Letters to the Censor: Fitzwilliam Hall in the Great War will be published in the course of 2017.
In 2008, my predecessor Marion MacLeod, in her final piece for this Journal before her retirement, wrote about the library assistants who have worked here at Fitzwilliam College over the thirty years when she was Librarian. She mentioned the qualities and desirable characteristics that appear in many a job description – good interpersonal skills and the ability to work as part of a team – and also alluded to the others such as attention to detail, patience, and a sense of humour. These last ones are really the qualities searched for by every librarian needing a good assistant – essentially, the basic attributes of high-quality library staff have not really altered over the years. The way in which the job is carried out, though, really has. New technologies, which provide access to a massive number of sources which require good searching skills, have grown and developed – and the skills of library staff have had to change too, in order for them to be able to assist the users in their effective use of the library and the resources provided for their success.

The working environment has also seen changes which have been vast and have had a great impact on working behaviour, as we endeavour to provide a more user-responsive library team. In the old library, staff were tucked away at the end of the room, working away unseen, unheeded, and almost unneeded by the users. Today we work at a dedicated front desk and – much like the Porters and the Coffee Shop staff – we work in the public eye, ready to assist as and when required. We smile and say hello to everyone, and mostly receive friendly responses. We listen to the bleeps of the book self-issue station and enquire ‘did you find everything you needed today?’

There, the job is started: communication has been achieved. Whilst doing our jobs labelling books, checking reading lists, classifying, or cataloguing, we have made positive contact. Now, hopefully, with a one-to-one conversation started, the users know we’re accessible and available to help with their needs: from asking for a new book to be bought, or locating missing books, to electronic source location, and demonstrating efficient searching strategies. And yes, patience to explain – over and over again to various individuals – the most important things like how to use the printers, why they shouldn’t bring in sticky drinks, and how to use the search terminal.

Currently, and temporarily, the library team has stretched to three people as well as myself.

Tracey Piggott was employed as library assistant in 2007 and as Marion commented she ‘can home in on an illicit mug of coffee from 30 yards away, a skill learned during her years at the UL’. She has been a great support since I arrived and she has adapted to her new working environment and the interruptions in her work in a most positive way. She interacts really well with the students in a way that I hoped she would. She is a gold-standard library assistant: she has a love of order and neatness; is well-motivated to learn new skills; and is happy and proud to do her job to the best of her ability.

Suzan Griffiths has been a project cataloguer here at Fitzwilliam for more than three years. She is employed on a casual basis (but a fixed number of hours per annum) to catalogue the backlog of donations. She manages to fit this in between sailing in the Adriatic and other interesting project work in and around Cambridge. In reality, her nearly 20 years of experience as College Librarian at St Catharine’s means that she is also willing, able and available to provide support cover when student demand requires. Another asset! The newest – and sadly temporary, but nonetheless important – member of our team is Adam Hall. Adam has been a Fitz-person longer than the rest of us, having first come here as a graduate student in Criminology. As well as other outside work Adam helps with important routine tasks and enjoys the organisational and procedural aspects of library work. He has an unusual perspective for a library assistant on the student body as he also works the Fitzwilliam Bar, and he does find supporting them in their studies rewarding.

So, we’re a random selection of folk working together, in a small space, doing our best to be effective and efficient in our daily routines, with a desire to support our users and make their progress easier. I’m glad to say I’m not the only one who thinks ‘I love my job!’

CHRISTINE ROBERTSLEWIS, LIBRARIAN

If you are interested in finding out more about the evolution of Fitzwilliam, an extensively-illustrated account was published in 2013; it is available from the Porters’ Lodge or from the Development Office via the Alumni web page.
CHAPEL NEWS

I hope that the Chapel will always be a place of light. It is such a wonderful and inspiring space. The Chapel is a treasure at the heart of the College, of which we are rightly proud, and it is admired by many who enter. So we have been especially pleased to host visits from a total of over two hundred architects during the year, including a visit to the College from the Architecture Club of the UK. Its President, Sir John Tusa, commented ‘the Chapel is simply sublime’.

As Chaplain, I hope there will always be some sublime moments in the Chapel. This year, one memorable occasion was the mid-term College Communion for All Saints Sunday. The Chapel Choir sang the Little Jazz Mass communion setting by Bob Chilcott. After its very popular reception, we anticipate that the Jazz Eucharist will be a regular offering in the Michaelmas calendar.

When it comes to the big celebrations of the year, Easter most often arises outside term-time. Recognising that there are many students resident in College during the vacation, especially from overseas, we hosted our second Sunrise Service on Easter Sunday on the Grove Lawn – with a BBQ breakfast to warm us after a slightly chilly start!

In the Easter Term that followed we were delighted to have an illustrious array of speakers to preach on the theme of ‘God at Work’ in our sermon series. These included Revd Professor Alastair Coles, Neuroimmunologist and Staff Chaplain at Addenbrookes Hospital; Charlotte Osborn, former Airport Chaplain; John Nicholson, Chaplain at Fulbourn Hospital; Life Fellow Revd Professor David Thompson; Revd Dorothy Peyton Jones, Lead Chaplain to the Police in Cambridgeshire; and Squadron-Leader Michael Chatfield (1997), alumnus and Chaplain from RAF Honington who visited earlier in the year. Their diverse insights on aspects of faith and their encounters in the wider world were particularly thought provoking.

We were further honoured to have one of the country’s leading speakers on science and religion preach at our annual Service of Commemoration of Benefactors. Professor David Wilkinson (1987, Theology) is Principal of St John’s College, Durham University, and is both an astrophysicist and a Professor in the Department of Theology and Religion. His lively address presented some challenging conceptual thinking about God in the Universe.

At the core of the Chapel is the music from our choir, and this year we were pleased to establish a new joint position of Senior Organist, Amalie Fisher and Choir Conductor, Richard Bateman, ably assisted by Anna Lush. Under their guidance and instruction, the choir had many highlights over the year, both in the College and beyond – with the highest honour of singing in the Senate House for the Honorary Degree congregation in June. They also completed a summer tour to Wales including St David’s Cathedral, followed by Lichfield Cathedral which gained a number of plaudits.

We were delighted to be involved in the celebrations of Fitzwilliam’s Fifty Years as a College, and a Service of Celebration and Thanksgiving was held with our Golden Matriculants to commence a special weekend of events. The Chapel also hosted an exhibition of photography to mark ‘Fitz at Fifty’ entitled Lux: Illumination in the Chapel. Held in conjunction with the Fitzwilliam Fine Arts Society under the leadership of Olli Vanderpoorten, this was an exciting project, incorporating the work of student architects examining dynamic light in the chapel.

It is always a delight to report the significant events in the lives of our current College members and alumni. This year were thrilled to have the Confirmation of Rebecca Tomlinson (2015) by the Bishop of Huntingdon at a service for the University held in Trinity College Chapel on 1 May.

The College was, however, shocked and saddened at the death of Lenny Coleman, a long-serving painter in our Maintenance Department. A short service was held on 6 June. In a very full chapel, tribute was paid to the contribution he made to College life in his quiet and cheerful way.

On a much happier note to end the year, in August we celebrated two weddings of alumni. Alex Hirst (2005, MML) was married to Rob Jamieson. The ceremony for Rachel Rayner (2005, VetMB) and David Hopkinson (2009, PhD Engineering) took place the following weekend. It is a pleasure and privilege to share their special days. Our best wishes go to them for all their future health and happiness.

Two photographs taken by Stephanie Drenten (MPhil, 2015) for the exhibition Lux: Illumination in the Chapel
As always, we said farewell to a number of our students. Our thanks go to our Sacristan this year, Stephanie Drenten, (2015, MPhil). Stephanie was a loyal and cheerful presence in the Chapel and a member of the Chaplaincy Advisory Group. We are grateful for the continuity provided by Hugh Oxlade, our Chapel Clerk, who took over from Carlo Lori (2013) at the beginning of Easter Term. Our thanks to Carlo for all his good work in the role, and his lateral thinking about all aspects of chapel and faith.

We continue to acknowledge the gift of our benefactor, Father Anthony Brown, whom we welcome regularly to Chapel. We are indebted to him for his ongoing support.

THE REVEREND HELEN ARNOLD, CHAPLAIN

The Chapel Choir

The year 2015–2016 has been truly memorable for the Chapel Choir. A new leadership team comprising Senior Organ Scholar Amalie Fisher, Choral Scholar Anna Lush, and myself took over the day-to-day running of the Choir as the year commenced. We were delighted to be asked to sing the grace at the launch dinner for Cambridge University Development and Alumni Relations Dear World, Yours Cambridge fundraising campaign at Trinity College.

This was an especially notable occasion for the 2013–2015 Senior Organ Scholar Charles Gurnham, who conducted his own arrangement of Occuli Omnium.

In addition to the regular pattern of Sunday-evening services, the Choir sang its first-ever jazz service, which drew a congregation of almost 50 Fellows and students. We also sang a more conventional communion service at St Giles Church on Castle Street, and look forward to furthering our links there this year. The annual College Carol Service at the end of Michaelmas was a great success, and an audio clip from the service was used as part of the Development Office’s official Christmas Card to alumni.

Non-religious performances at College feasts and at the annual Music Society Garden Party allowed the Choir to let its hair down. We were also honoured to be asked to sing alongside the Choir of Christ’s College at the University’s Honorary Degree congregation at Senate House in June.

Forays further afield included a planned December outreach visit to the Lake District. However, sadly this was cancelled, due to its coinciding with the dreadful flooding which hit the region and left our hotel in Carlisle underwater! In July we undertook a dry and sunny tour to St David’s and to Lichfield, singing the regular services in both Cathedrals. Messages of gratitude and acclaim have since come in from both – it was a joyous eight days for the Choir. We are very grateful to both the Milner Walton Fund and the Music Ensembles Fund for supporting the tour financially. With a view to building on this success, we hope to be able to raise sufficient funds this year to enable a tour abroad in Summer 2017.

RICHARD BATEMAN (PhD English, 2013),
Conducting and Musical Leadership Scholar

The Choir rehearsing at St David’s

In Litchfield Cathedral
### Fellows

- **Dr Sean Holly:** President, Dean, DoS in Economics, Director of Research in the Faculty of Economics, Reader in Economics
- **Professor Nigel Slater:** Professor of Chemical Engineering (1999), Head of the Department of Chemical Engineering and Biotechnology
- **Professor Michael Potter:** Professor of Logic
- **Mr Richard Hooley:** DoS in Law for LLM, UL in in Corporate Law, Director for the MCL
- **Dr David Cole:** DoS in Engineering, DoS in Management Studies, USL in Engineering
- **Professor David Cardwell FREng:** Professor of Superconducting Engineering, Head of the Department of Engineering
- **Dr Rosemary Horrocks FRHistS:** DoS and CTO in History, Governing Body Secretary
- **Dr John Leigh:** Tutor for Undergraduate Students, DoS in Modern and Medieval Languages, UL in French
- **Dr Kenneth Platt:** Reader in Manufacturing
- **Dr Hero Chalmers:** Tutor for Undergraduate Students, CL and DoS in English
- **Professor Dominic Keown:** DoS in Modern and Medieval Languages, Professor of Catalan Studies
- **Dr Bhaskar Vira:** Graduate Tutor, DoS and CTO in History, Governing Body Secretary
- **Dr John Cleaver:** Archivist
- **Dr Paul Coomes:** Reader in Plant Sciences
- **Professor Martin Millett FBA, FSA:** Laurence Professor of Classical Archaeology
- **Dr Rachel Camina:** DoS and CTO in Mathematics
- **Dr Alexei Kovalev:** UL in Mathematics
- **Dr Subha Mukherji:** USL in English
- **Dr Robert Ayasekara:** Tutor for Undergraduate Students, DoS in Medicine and Veterinary Medicine
- **Dr James Elliott:** Tutor for Undergraduate Students, DoS in Natural Sciences (Physical), Reader in Materials Science
- **Dr Andrew Wheatley:** Fellow Safety Officer, USL in Chemistry
- **Dr Kouros Saee-Parsy MRCS:** DoS in Clinical Medicine, Clinical Lecturer in Transplant Surgery
- **Dr Sara Owen:** Tutor for Undergraduate Admissions (Arts), Tutor for Undergraduate Students, DoS and Research Associate in Classics
- **Dr Angie Tavernor MRCS:** Tutor for Undergraduate Students, DoS in Clinical Veterinary Medicine, AL in Veterinary Anatomy
- **Dr Jason Rentfrow:** DoS in Psychological and Behavioural Sciences (Michaelmas), USL in Social Psychology
- **Dr Paul Chirico:** Senior Tutor, Tutor for Graduate Students, Fellow Librarian, CTO in English, Disability Officer
Dr Simon Gathercole: DoS in Theology, Reader in Divinity
Dr Matthew Wingate: Tutor for Undergraduate Students, DoS and Reader in Mathematics
Mr Andrew Powell: Bursar, Data Protection Officer, Freedom of Information Officer, Child Protection Officer
Dr Jonathan Cullen: Tutor for Graduate Students, UL in Engineering
Dr Susan Larsen: Communications Officer, Tutor for Graduate Students, Tutor for Undergraduate Students, DoS in Modern and Medieval Languages, UL in Slavonic Studies
Mr Francis Knights: Tutor for Undergraduate Students, Steward and SCR Steward, DoS in Music
Dr James Aitken: Tutor for Graduate Students, DoS in Asian & Middle-Eastern Studies, UL in Hebrew, Old Testament and Second Temple Studies, Praelector
Dr Holly Canuto: Tutor for Undergraduate Students, Tutor for Undergraduate Admissions (Sciences), DoS in Natural Sciences (Biological), Research Associate in Biochemistry
Dr Anna Watson: CTO and DoS in Economics
Dr Andrew Jardine: DoS in Natural Sciences (Physical)
Dr Kasia Boddy: DoS in English
Dr Louise Hanson: Chandaria Fellow, CTO, DoS in Philosophy
Dr Timothy Hughes: Henslow Research Fellow, in Engineering, Environmental Officer
Dr Hazel Wilkinson: Research Fellow, in English
Dr Stuart Middleton: Research Fellow, in History
Dr Stephen Sawiak: ADoS in Mathematics for Natural Sciences
Dr Andreas Televantos: CTO and DoS in Law
Dr Emma Lees: DoS in Land Economy, UL in Environmental and Property Law
Dr Christopher Cowie: Research Fellow, in Philosophy
Dr Gabriel Glickman: DoS in History, UL in Early Modern British and Irish History
Dr Julia Guarneri, UL in American History
Dr Nicola Jones: Development Director
Dr Timothy Williams: Veterinary Medicine
Mr Kenneth Olisa OBE: Catalan
Dr Andrew Buckley: ADoS in Earth Sciences
Professor Richard Marks: Keeper of the College Works of Art, Honorary Professor of History of Art
Dr Annalise Katz-Summercorn: Medicine
Dr Robert Harle: DoS in Computer Science
Dr Evaleila Pesaran: CTO, DoS in Human, Social and Political Science
Professor Mark Arends: Histopathology
Dr Harry Leitch, Physiology
Dr Aaron D’Sa: Neuroscience
Dr Yin Wu: Pathology
Dr Hilary Cremin: DoS in Education
Dr Andrew Hacket Pain: DoS in Geography
Ms Katherine Parton: Director of Music
Dr Yeonsook Hae: DoS in Architecture
Dr Rogier Kievit: DoS in Psychology (Lent & Easter)
Dr Matthew Neal: History, Deputy Praelector
Dr James McNamara: Classics
Dr Dr Matthew Hacket Pain: DoS in Geography
Ms Katherine Parton: Director of Music
Dr Yeonsook Hae: DoS in Architecture
Dr Victoria Condie: Medieval Literature
Dr Olenka Pevny: Slavonic Studies
Dr Deepak Venkateshvaran: Physics
Dr Alice Evans: DoS in Geography
Dr Helen Bettinson
Dr Dr Timothy Williams: Veterinary Medicine
Mr Kim Myungun: Economics
Dr Albert Ventayol: Catalan
Professor Christopher Watson: Medicine
Dr Moreed Arbabzadah, Classics
Professor Monojit Chatterji, DoS Economics
Dr Fiona Danks, Geography
Dr Joao Duarte, Economics
Mr Danny Ho, Chemistry
Dr Graham Spelman, Engineering
USL University Senior Lecturer
UL University Lecturer
UAL University Assistant Lecturer
ADR Assistant Director of Research
SRA Senior Research Associate
AL Affiliated Lecturer
CL College Lecturer
CTO College Teaching Officer
DoS Director of Studies
ADoS Assistant Director of Studies

Visiting Fellows 2015–2016
Professor Patrick O’Meara
Professor Pablo Padilla
Professor Antoni Sequra

1869 Fellow Benefactors
Mr Peter Selman
Mr Kenneth Olisa OBE
Mr Xiaoyang Xie

Patrons
HM King Felipe VI of Spain
Chancellor Kimiko Tsuzuki

Other College Officers
Revd Helen Arnold: Chaplain

Junior Members’ Association Officers
Senior President: Professor Nigel Slater
Senior Vice-President: Dr David Cole
Senior Treasurer: Dr Matthew Wingate
**RECENT ELECTIONS AND APPOINTMENTS**

**ELECTIONS TO FELLOWSHIPS**

**Nicola Jones**

Nicola came to Cambridge as an undergraduate – to Christ’s in 1999, where she read French and Italian. Then she moved to Corpus Christi, where she completed an MPhil in European Literature and a PhD in Medieval French and Italian.

In 2008 she was awarded a Junior Research Fellowship at Emmanuel College, where she studied medieval philanthropic investment in the arts and taught a wide range of undergraduates.

In 2011, she decided to switch the theory of philanthropy for practice and joined the Development Office of Pembroke College, as a Major Gifts fundraiser, moving after a year to Robinson College as Deputy Development Director. She has now joined Fitzwilliam as Development Director, and was admitted to her Fellowship in October 2016.

**Ianthi Tsimpli**

Ianthi holds the Chair of English and Applied Linguistics at the Department of Theoretical & Applied Linguistics, in the Faculty of Modern & Medieval Languages.

Ianthi has a BA from the University of Athens and a PhD in Linguistics from University College London. Recently she has been Professor of Multilingualism and Cognition at the University of Reading, and Professor of Psycholinguistics and Director of the Language Development Laboratory at the University of Thessaloniki, Greece.

She teaches and researches in bilingualism and multilingualism, in language development and impairment, and in theoretical syntax. Ianthi’s two most recent EU co-funded research projects investigate child bilingualism and the effects of bilingual education on cognitive and linguistic abilities, and anaphora resolution in adult monolinguals. She is currently Principal Investigator in the ESRC-DFID project Multilingualism and Multiliteracy: raising learning outcomes in challenging contexts in primary schools across India.

At Fitzwilliam, where she was admitted to her Fellowship in October 2016, Ianthi is Director of Studies in Linguistics.

**Tilman Flock**

Tilman is a computational and molecular biologist working at the interface of large-scale experimental biology and computational statistics.

After a BSc in Molecular Biotechnology from the Technical University of Munich, he studied Protein Engineering, Biophysics, Molecular Medicine and Bionanotechnology in his MSc, and focused his Masters research on second-generation biofuels at the California Institute of Technology.

Tilman moved to Cambridge to shift his research focus from experimental to computational work, during a PhD in Computational Structural Biology at the MRC Laboratory of Molecular Biology. His current work uses machine learning and computational biology to integrate diverse large-scale experimental data from high-throughput biophysics, biochemistry and cell biology to infer the molecular mechanisms of how certain drugs such as opioids cause side effects.

**Enrico Crema**

Enrico is an archaeologist who develops and uses quantitative and computational methods to study the past, in particular using agent-based computer simulations and spatial statistics. After a PhD at University College London with a thesis on long-term cycles of settlement nucleation and dispersion, he spent several years researching in Great Britain, Spain, and Japan.

He has been recently appointed a University Lecturer in computational analysis of long-term human cultural and biological dynamics, at the Department of Archaeology & Anthropology. Enrico’s most recent work is on computational techniques for reconstructing prehistoric population dynamics and inferring patterns of social learning from archaeological data. He contributes also to cultural evolutionary studies and to the theoretical and methodological cross-fertilization between the biological and the social sciences.

At Fitzwilliam, where he was admitted to his Fellowship in October 2016, Enrico is Director of Studies in Archaeology.

**Daria Frank**

As an undergraduate, Daria studied Mathematics at the Friedrich-Alexander University Erlangen-Nuremberg, intermitting for 2009–2010 when she joined Fitzwilliam College to read Part III of the Mathematical Tripos. After finishing her Diploma in Germany in December 2011, she returned to Cambridge to start her PhD in Fluid Dynamics.

The general topic of Daria’s thesis was the natural ventilation of buildings; in particular, she investigated the sealing effectiveness of air curtains at entrances. Completing her PhD studies in 2015, she took up a postdoctoral position in Environmental Fluid Dynamics at the Department of Applied Mathematics & Theoretical Physics. Daria now studies the subsurface oil distribution in the ocean after the Deepwater Horizon Oil Spill by conducting small-scale laboratory experiments and developing theoretical models.

Daria was admitted to her Research Fellowship in October 2016.
Deepak Venkateshvaran

Deepak is a Research Associate at the Cavendish Laboratory and a Teaching Bye-Fellow at Fitzwilliam College. He took his BSc and MSc from the Sri Sathya Sai Institute of Higher Learning after which he earned an MTech from the Indian Institute of Technology at Madras, India, graduating top of his year. After working for a few years as a staff scientist at the Bavarian Academy of Sciences and Humanities in Munich, Germany, Deepak came to Fitzwilliam in 2010 to study for his PhD at the Cavendish Laboratory.

Deepak’s research interests are in understanding the fundamentals of charge, spin and heat transport in organic semiconductors. Applications of his work are in waste heat to useful energy conversion using organic semiconductors, and in novel nanofabricated device architectures for polymer-based quantum information processing. At Fitzwilliam, Deepak supervises undergraduate courses on Electromagnetism, Classical Dynamics and Thermodynamics.

Alice Evans

Alice Evans is a Bye-Fellow of Fitzwilliam and a University Lecturer in Human Geography. She teaches on international development, economic globalisation, austerity, and qualitative methods. Her research focuses inequality, social change and global production networks. At present, she is investigating politically feasible reforms to improve working conditions in the global garment industry: to strengthen trade unions, tackle gender inequalities and reform international trade. She is a Director of Studies in Geography.

Helen Bettinson

Helen was Fitzwilliam’s Development Director between October 2011 and August 2016. After reading History at Fitzwilliam (1982–1985) Helen was a researcher and later a director/producer of historical documentaries for the BBC, Channel 4, WGBH, Arts & Entertainment, and the History Channel. In the late 1990s she took a sabbatical from television production and studied for a Masters and a PhD in the History of Medicine, both at the University of East Anglia. Today, Helen combines development work for Fitzwilliam with her own historical research. Her area of interest is the First World War, particularly the medical treatment of servicemen.

Timothy Williams

Tim qualified as a vet from the University of Cambridge in 2007 and, following a year working in small animal practice, undertook a clinical PhD focused on feline geriatric medicine at the Royal Veterinary College in London. He then returned to Cambridge in 2012, initially as Senior Clinical Training Scholar (resident) and subsequently as Lecturer in Veterinary Clinical Pathology. In addition to his University commitments, Tim continues to work part-time as a first-opinion small animal practitioner in Cambridgeshire.

He became a Bye-Fellow of the College in 2016, and now acts as Veterinary School Clinical Supervisor for all the Fitzwilliam veterinary students.

MyunGun Kim

MyunGun obtained a BA in Business and Administration from Korea University. He then obtained a Diploma and an MRes in Economics from the University of Cambridge, and is currently a final-year PhD student in Economics under the guidance of Dr Sean Holly. His field of research includes Global Value Chains and the practice of offshoring and outsourcing and its effects on productivity and innovation. He achieved the Top Prize in the 8th Annual Global Analysis Research Contest held by the Korean Institute for International Economic Policy (KIEP) in 2015.

Myungun started teaching both undergraduate and graduate students in 2015, and was awarded the Prize for Best Performance as a Teaching Assistant. He currently teaches Quantitative Methods and Econometrics to first-year and second-year undergraduates, and Macroeconomics to postgraduates.

Albert Ventayol

Albert is an Affiliated Lecturer in Catalan Studies. His lectureship is generously co-funded by Acadèmia Valenciana de la Llengua and by the Institut Ramon Llull. He is also the holder of the Batista i Roca Fellowship at Fitzwilliam.

Albert’s research interests focus on Cognitive Linguistics and Typology, particularly with constructivist approaches to argument structure, endangered and lesser-studied languages, and metaphor in discourse. Apart from Catalan, he has also carried out work on Polish and Welsh. His current research explores the role of multilingualism in the use of minority languages, and the use of metaphors in political discourse in Catalonia and its contribution to legitimacy for independence.

Christopher Watson

Born in Yorkshire, Christopher came up to Fitzwilliam in 1978 to study medicine. He trained as a surgeon in Cambridge and in Oxford before taking up a consultant post in Oxford. He returned to Cambridge in 1998 as Lecturer in Surgery, working at the Cambridge Transplant Unit – where he is now Professor of Transplantation.

His main research interests are around increasing the use of donor organs. This has involved looking at the risks of donor-transmitted disease, including most notably a study on organ donors with primary brain tumours. More recently
he has worked on the preservation of livers, seeking to improve their functioning following transplantation.

**Moreed Arbazadah**

Moreed did his BA, MPhil and PhD in Classics at Jesus College, Cambridge. His interests are primarily in Greek and Latin linguistics (especially bilingualism, the topic of his PhD) and epigraphy, and he also has a long-standing interest in textual criticism. More recently he has been collaborating with colleagues on Serlo of Bayeux, a medieval author of Latin verse.

He teaches a large amount of language, linguistics and prose composition. His Bye-Fellowship at Fitzwilliam is generously supported by the Paul Cassidy Classics Fund.

**Monojit Chatterji**

Monojit was born in Bombay, where he did both his schooling and his first degree. He came to Cambridge in 1970, to Christ’s as an affiliated student to read Economics. After his PhD here, he went to a Lectureship at the University of Essex and then to a Chair at the University of Dundee, from which he retired in 2013.

He has academic appointments at several US, Indian and Australian universities, and also has held many public appointments on quangos to advise UK governments about policy on labour markets – most recently the Speaker’s Committee at the House of Commons. Monojit’s research interests are mainly on unemployment, growth economics, trade unions and inflation. His teaching interests are much broader, encompassing micro economics, quantitative methods and development economics as well as macro and labour economics.

In addition to his Bye-Fellowship and his Directorship of Studies in Fitzwilliam, he also has a College Lectureship at Trinity Hall and a Fellowship at Sidney Sussex. He is a keen sportsman, especially tennis and squash.

**Fiona Danks**

Fiona is an Arctic ecologist, having gradually migrated northwards since her early upbringing in Africa. Her first degree was in Geography and Environmental & Evolutionary Biology, at Dartmouth College, NH. Much of her subsequent academic work has applied spatial tools to ecological problems, combining a love of nature with an interest in maps and spatial assessment. Her Masters research at the University of Alaska, Fairbanks, was on the development of current and predictive GIS habitat models for muskoxen, in the light of potential oil and resource development. She completed her PhD in Cambridge at the Scott Polar Research Institute, studying the potential effects of climate change on reindeer habitat in the Barents region, and then moved to Svalbard, Norway, to manage the Norwegian Polar Institute research station in Ny-Ålesund.

Fiona returned to Cambridge University for an MPhil in Conservation Leadership and now works as Senior Programme Officer in the Science Programme at UNEP-World Conservation Monitoring Centre, on global biodiversity and nature conservation.

**Joao Duarte**

Joao did his PhD at the University of Illinois at Urbana-Champaign, and his research interests are in the intersection of macroeconomics and housing. He incorporates micro-founded features of the housing market into macroeconomic models to study the interdependence of certain macro policies and the housing market. For this, he uses a combination of time-series structural estimation, calibration, and theory; in particular, looking at how monetary policy affected the housing rents in the US – and, in turn, how rents affected the reaction of monetary policy to inflation.

Joao is a Research Fellow at the Faculty of Economics. He teaches topics in macroeconomics, including economic growth and macroeconometrics.

**Danny Ho**

Danny obtained an MChem in Medicinal Chemistry at the University of Leeds, completing his final-year research project under the guidance of Professor Colin Fishwick. He began his career in industry with Pfizer, working as a medicinal chemist for seven years in a range of therapeutic areas.

Danny then completed a PhD in Organic Chemistry at the University of Cambridge under the supervision of Professor Matthew Gaunt, working on developing new synthetic methodology using C–H activation, and subsequently to its application in the synthesis of drug analogues. He developed a passion for undergraduate teaching during this time. Danny teaches organic chemistry courses to all four undergraduate years.

**Graham Spelman**

Graham did both his undergraduate degree in Engineering and his PhD at Fitzwilliam. When not flying gliders around the local countryside or the Lake District, he works as a Postdoctoral Research Associate in the Dynamics and Vibrations Group at the Engineering Department. His current research is on modelling uncertainties in the dynamic response of blades in gas turbines, and is funded by Mitsubishi Heavy Industries.

Earlier research was into nonlinear vibration of built-up structures with many degrees of freedom, statistical methods of vibration modelling, and the dynamics of gongs – in which the presence of nonlinearity allows the flow of energy from the frequencies of initial excitation into wider frequency bands; the musical aspect formed the focus of his PhD.

Graham has supervised undergraduates in the mechanical-engineering modules for several years.
UNDERGRADUATE MATRICULATION, OCTOBER 2016

D. Afzal, H. Allen, R. Andrews, C. Atwood

O.O.P. Hanley, L. Harris, O.S. Hattea, D.J. Henderson, M.T. Hill, C.S. Hill, J. Hillier
E.B. Paine, R. Patel, I.L. Perez, M.L.M. Persico, M. Pinata, A. Pluskoska, S. Pointer, A.S. Preston, A.M. Purohit, S. Rimmer, H.F. Rolt,
L. Wan, S. Wearing, H. Webb, A. Wells, M. Wielzorek, A.D. Williams, R. Wilkson, D. Wong, A.C. Wood
Z. Xu, A. Tavernor (Tutor), F. Keevil (JCR President), R. Abayasekara (Tutor), M.B. Wingate (Tutor), J.A. Elliott (Tutor), A.M. Milne (Domestic Bursar),
P.A. Chirico (Senior Tutor), S. Holly (Dean), N.M. Padfield (Master), R.A. Powell (Bursar), S. Owen (Tutor), H.C. Canuto (Tutor), K. Parson (Director of Music),
N. Jones (Development Director), E. Knights (Tutor), H. Arnold (Chaplain), D. Cresswell (Deputy Head Porter), E. Yip, D. Georgiev
THE SENIOR TUTOR’S REPORT

Our departing undergraduates gathered for their graduation photograph barely twenty-four hours after the result of the referendum on Britain’s membership of the European Union. As ever, they looked immaculate, displaying the unnerving ability of youth to rise to any challenge (Fitzwilliam is now the first college on the Saturday morning of General Admission, so the photograph, p.36, is taken at an hour known best to members of the Boat Club). Asked to say a few words to them and to their very proud families and supporters as they enjoyed lunch on Fellows’ Lawn after the ceremony, I reflected that graduation is always a time of transition and uncertainty, and rarely more so than it was on 25 June 2016. Yet whatever the political structures governing our future, those graduands will be well served by the ethos of the College – international, diverse, welcoming, collaborative, problem-solving, ambitious – and by the knowledge, skills and attitudes fostered in the courses they had just completed.

The Fitzwilliam community indeed remains diverse. In 2015–2016 the student body comprised 435 undergraduates, about 308 full-time graduate students, about 52 part-time graduate students, and around 57 graduate students writing up dissertations. Information on their origins is given on the following page.

To recruit this body, the College works very hard on admissions, led by our Undergraduate Admissions Tutors Dr Holly Canuto and Dr Sara Owen and by our Graduate Tutor Dr Bhaskar Vira. In the 2015–2016 admissions round, we received 482 undergraduate applications, and interviewed 350 of those candidates either in Cambridge or overseas; 133 offers were made as a result of these applications. A further 33 offers were made to candidates who had selected other colleges, through the intercollegiate undergraduate ‘pool’.

Meanwhile the College made a total of 290 offers for graduate admission in 2016 (207 for Masters courses, 79 for PhDs, and 4 for Clinical Medicine), of whom 172 took up their place (119 for Masters courses, 49 for PhDs, and 4 for Clinical Medicine). Graduate applications to Cambridge are made to Departments and Faculties, with applicants having the option of naming one or two preferred colleges. Of the applicants offered a place at Fitzwilliam, 45% had named the College as their first choice and 12% as second choice.

Returning to the undergraduates, 65% of those members of the new intake regulated by OFFA (the Office for Fair Access) had been educated in the Maintained sector; whilst 11% were from areas in POLAR3 quintiles 1 and 2 (under the Participation of Local Areas classification, areas from which a relatively low proportion of 18-year-olds enter higher education). These proportions are of political significance, though we are very keenly aware that they do not tell the whole story of social mobility. We have said many times that we believe in the power of education to transform lives: we will continue to seek out the best and brightest, from every school, every nation and every walk of life, and to offer the finest education we possibly can.

Small-group teaching remains – of course – a distinctive feature of undergraduate education here, alongside lectures, seminars and practical work. Good supervisors can nurture confidence, develop motivation and excitement about a subject, illuminate the steps by which academic progress is made and underline the value of hard work. Directors of Studies in thirty-one subject areas organised academic supervision by 977 specialists for Fitzwilliam undergraduates. One Bye-Fellow and Director of Studies (Dr Robert Harle) was awarded a Pilkington Prize for excellence in teaching; another Bye-Fellow (Dr Matthew Neal) was commended as a supervisor in the CUSU teaching awards. Seven College Teaching Officers (two shared with neighbouring Colleges) took leading responsibilities for the academic development of undergraduates in their subjects. Those who supervise are not limited to particular categories within the University: our other supervisors ranged from Professors and Heads of Department to PhD students at the beginning of their promising academic careers.

Our students achieved record examination results for the third consecutive year, in absolute terms. In comparative terms we slipped back slightly, because of improved grades across the University. Taking the longer view, results across town have improved by 5.9% since 2010, while ours have improved by 9.1%. It should be noted that such analyses, like the familiar league tables, are extremely blunt since they are based on examination-result classes rather than on more finely graduated rankings. So although our results stubbornly do remain below average, it is worth considering that if around 24 of our Tripos students had achieved one class or half-class higher we would have performed at an ‘average’ level overall. In other words, the overwhelming majority of Fitzwilliam students performed at the level expected of a successful student at Cambridge, one of the world’s...