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UNIVERSITY OF
CAMBRIDGE

NOTICES

Calendar

29 November, *Thursday*. End of third quarter of Michaelmas Term.

30 November, *Friday*. Full Term ends.

12 December, *Wednesday*. Last ordinary issue of the *Reporter* in Michaelmas Term.

19 December, *Wednesday*. Michaelmas Term ends.

25 December, *Tuesday*. Christmas Day. Scarlet Day.

Twenty-third Report of the Board of Scrutiny: Notice in response

19 November 2018

This Notice is the Council's reply to the Board of Scrutiny's Twenty-third Report (*Reporter*, 6521, 2018–19, p. 42) and the Discussion of it held on 23 October 2018 (*Reporter*, 6524, 2018–19, p. 99).

The Council welcomes the prominence given by the Board to several matters which it agrees require further consideration. It has provided its response to the Board's comments on the University's finances in Part A, and to the Board's specific recommendations and points made at the Discussion in Part B.

A. THE UNIVERSITY'S FINANCES

The University of Cambridge operates in a globally competitive sector and needs to continue to make appropriate investments both in its people and its academic estate in order to ensure it continues to attract the best students, faculty, and research funding, and hence maintain its reputation.

The University seeks impact, not profit. The Academic University's core operational activities of teaching and research are inherently loss-making and it is dependent on cross-subsidisation from other income sources, notably the Cambridge University Endowment Fund (CUEF) distribution, in order to balance the books. Capital expenditure for core academic estate is financed from donations, grants, a distribution from the surplus generated by Cambridge University Press and Cambridge Assessment, and, as a last resort, from retained unrestricted reserves.

The University's financials are complex, and accounting requirements in the external consolidated Group Financial Statements make it difficult to see readily the underlying dynamics and financial balancing act the University has to maintain. To be sustainable, the University needs to match costs and revenues in the Academic University over time, and generate a sufficient surplus overall to invest in academic capital expenditure.

In an extended period of CUEF growth through market performance, the Academic University has allowed largely unconstrained growth in non-fully-funded research, accepted declining operating margins, and experienced cost growth (including staff costs) ahead of revenues. Significantly, the Academic University is now budgeting a net operating cash flow deficit (post-CUEF-drawdown). At the same time, the University has been committing to increasing levels of capital expenditure on projects (after accounting for grants and donations). Given cost pressures within the University, government funding risks, and the likely impacts of Brexit, the University must continue to look to achieve efficiencies and generate incremental revenue to deliver on its objectives.

The University's highly diversified revenue base and strong balance sheet allow it to manage risk and deal with short-term uncertainty significantly better than the sector as a whole. However, in the long run, it remains essential that the University, if it is to maintain its leading global position, generates sufficient surplus to invest properly in people and facilities.

The single largest issue for staff is the cost of housing in Cambridge, and by raising external finance, the University is in a position to help address this issue through investment in housing stock which also generates an appropriate financial return to the University. Housing is not the only use for external financing, but the strict policy for bond proceeds is only to invest in revenue generating projects, so that they add economic value and do not compete for resources available for core academic activities and infrastructure.

Turning to the specifics in the Board's Report:

Financial Statements

The table in paragraph 22 is extracted from the published University Accounts. These provide an overview of the finances and operations of the University Group, covering the teaching and research activities of the University, and its subsidiary companies (that undertake activities, which, for legal or commercial reasons, are more appropriately carried out by limited companies), Cambridge Assessment (CA), Cambridge University Press (CUP), their subsidiary companies and joint ventures, the Gates Cambridge Trust, and certain other Trusts (the 'Associated Trusts').

- **Turnover** is the 'Group' income (including income from Cambridge University Press and Cambridge Assessment, subsidiaries, and trusts) and represents both operational revenues and capital grants. While growth in, and diversity of, income allows the University to do more and achieve greater impact, it is worth noting that:
 - a high proportion of total turnover must now be competitively won each year;
 - increasing operational activity levels of loss-making teaching and research, brings higher income but demands a progressively larger cross-subsidy;
 - the significant element of 'Group' income derived from Press and Assessment's activities is already earmarked towards reinvestment in the Academic University's capital funds.

- **Surplus** is the Total Comprehensive Income from the consolidated ‘Group’ accounts. This represents the sum of all incomes, net of all operational expenditure, depreciation, interest and tax, and the unrealised gains on investments (revalued for accounting purposes at balance sheet date), actuarial adjustments to projected pension scheme liabilities, and currency adjustments. It is worth noting that the Surplus includes:
 - surpluses from CA and CUP which, net of funds held for investment in the future growth of these businesses, is reinvested to part-fund the University’s academic capital needs;
 - unrealised gains on CUEF investments and actuarial adjustments – movements that can be large, can be positive or negative, and are not realised (and hence not directly available to spend).

Over £430m of the Total Comprehensive Income of £492m for 2017 was from these unrealised categories.

Finally, it is also important to note that the Total Comprehensive Income includes depreciation but *excludes* capital expenditure (which has been rising well ahead of current annual depreciation charges).

The underlying Total Comprehensive Income, excluding these unrealised gains, is modest and needs to be sustained to ensure sufficient funds are available to invest in the maintenance, renewal and replacement of operating buildings and infrastructure, meeting the rising costs of replacing assets through inflation (and rising expectations of functional suitability), and ensuring the University can deliver on its ambitious programme of capital investment, necessary to ensure that educational spaces, libraries, laboratories, IT systems, and research equipment are of sufficient quality to support world-class academic activities.

Allocations Report

In budgetary terms, the ‘Chest’ is a mechanism to manage and allocate centrally received forms of income (e.g. fees and residual government block grants), and centrally incurred and managed expenses (e.g. maintenance of the estate and supporting administrative services). Over time, the ‘Chest’ has become a progressively smaller proportion of the overall finances of the University. The Budget allocations from ‘Chest’ Income and Expenditure therefore only reflect a *partial* view of the financial position of institutions, which can only be fully assessed through a consideration of the combined ‘Chest’ and ‘Non-Chest’ position over time. ‘Non-Chest’ includes direct sources of income and directly incurred costs which do not flow through the centre. NSIs and UAS have limited opportunities to generate external ‘non-Chest’ income and, as supporting activities have grown in response to the increasing demands, scale and complexity of the wider University, their share of the ‘Chest’ has had to rise. It should be noted that central departments are subjected to the same budgetary growth restrictions as the rest of the University for like-for-like activities. Finally, it should be noted that, unlike in many other institutions, the costs of Development and Alumni Relations are currently fully met from ‘Chest’ funding, while the financial benefit of the donations they support the collegiate University in securing, now approaching £100m p.a., are recognized elsewhere in the financials (e.g. as endowments or contributions to capital facilities).

B. RESPONSES TO THE BOARD’S RECOMMENDATIONS AND THE DISCUSSION REMARKS

1. Active engagement by members of the Regent House in governance is essential, so in addition to the ongoing review of membership, consideration should be given to whether the processes governing Graces initiated within the Regent House are sufficient, clear, and not unduly complex, and if these processes – including the limitations of Graces – could be better advertised, e.g. on the governance web pages?

The Council notes that the process concerning Graces initiated by members of the Regent House is a relatively new feature of the University’s governance processes, having been introduced on the recommendation of the Wass Syndicate. The Council agrees with the Board that the current provisions governing that process should be revisited, now that there have been sufficient examples of their use to have a sense of where improvements might be made, and could be simplified. It also shares the Board’s view that consideration should be given to whether the governance team within the Registry’s Office, which supports these processes, is adequately resourced. It therefore proposes that work on a revised draft is postponed until resources to support that work have been identified. In the meantime, the content of the governance web pages will be reviewed, to see whether any further explanatory information can be added to aid understanding of the process of initiating Graces.

2. That the University develop a medium-term (3–7 year) financial budgeting and planning framework which is both holistic and transparent in consideration of income and expenditure for the whole institution, i.e. ‘big U’. This could be done in a way that should protect the autonomy of the Schools, Cambridge Assessment, and Cambridge University Press, but allows the central administration of the University to take a longer-term view and would enable Schools and Non-School Institutions to present proper business plans for their initiatives.

The Council agrees that the current approach to budgeting and planning must be reformed and replaced with a more transparent and efficient planning process focused on the delivery of the University’s academic vision within a financially sustainable framework. This is a priority for Professor David Cardwell during his tenure as Pro-Vice-Chancellor (Strategy and Planning).

Initial steps to be implemented following discussion by the Planning and Resources Committee include the establishment of a group, chaired by Professor Cardwell, to review resource distribution within the University; and a revision to the current Planning Round process to distinguish more clearly between annual financial planning and forecasting and longer-term strategic planning in Schools and Non-School Institutions. A tight focus on the Chest is recognized as a limitation both of the current Planning Round and Allocations Report, and of the existing Resource Allocation Model (RAM). The Income Incentivization Model introduced in the 2018 Planning Round continues that focus on the Chest but is intended as a first step towards a new model for distributing resource within the University. The Resource Distribution Group will identify the income to the University and the costs across the University that are to be within scope of the new model, and will be expected to develop an approach that enables the delivery of the University’s academic plans and the professional services – including central support services for students – that underpin them.

3.(a) That the existing reporting format contained within the Allocations Report is refined to present a more holistic and balanced view of our annual budgeting decisions which ties into the new medium-term framework;

Under the direction of the Chief Financial Officer a 10-year cash flow model for ‘big U’ has been developed and will be refined over this academic year. Development of the model and the changes to the Planning Round process summarised above are expected to influence the development of the Allocations Report in the direction recommended by the Board of Scrutiny.

3.(b) That the University pays particular attention to the ongoing growth in research activity in order to obtain a better understanding of the longer-term financial implications of expansion in an activity only partly-funded by external sources.

The Research Policy Committee will be introducing regular monitoring of research funding trends, including the overall growth in research income and the relative contribution of the different sponsor categories that impact on cost recovery by the University from external research sponsors. The development of a dedicated pre-award research administration service within the Research Office will provide significant additional capacity to enable Schools to respond to research funding opportunities, including targeting funding sources that offer improved financial return. The Resource Management Committee will monitor the performance of the new service against agreed key performance indicators, for example, targets to improve ‘time to grant’ as recommended in the response to the Board of Scrutiny’s Twenty-second Report.

4. A methodology should be developed to facilitate investment by Schools and NSIs in projects anticipated to have known payback periods, including those delivering improved administrative efficiency, and in kick-start projects expected to be self-funding in time, such as a new taught postgraduate courses. This could be some form of income-incentivization, or loans which might have agreed repayment schedules. Authorization for such investment should be separate from desirable allocations core to the University’s purpose that might be without a definite payback period.

The Planning and Resources Committee has agreed that funds will be available on exactly this basis to support credible revenue-generating and cost-saving initiatives. Initiatives which are academic- or education-led, including new taught postgraduate courses, will be considered for funding from an academic priorities fund, which is also intended to meet academic priorities for which there may be no short-term financial payback. Other initiatives underpinned by a convincing business case will be eligible for funding from a separate investment fund. In each case detailed guidance is still being developed but the Council hopes that both funds will begin to operate during the course of this academic year.

5. That adequate resources should be allocated to a strategy to develop academic and commercial research space, preventing haphazard expansion and maximizing potential revenue streams, notably across West and North West Cambridge.

The West and North West Cambridge Estates Board established a West and North West Cambridge Commercial Research Group to develop a strategy for commercial research space at West and North West Cambridge. The Group is completing its work and will be requesting resource to take forward plans and proposals, including developing full business cases. In parallel the West and North West Cambridge Academic Board continues to discuss academic strategy for West and North West Cambridge. The Academic Board is regularly apprised of discussions at the Commercial Research Group and has commented on all plans as they have developed. Both the Boards and the Group are keen to ensure that future development at West and North West Cambridge is appropriately resourced and coordinated.

6. The General Board should closely monitor implementation of the recommendations of the review of the Research Office, publish a timetable for its completion, and commission a follow-up evaluation in three years’ time.

The Steering Group for the Review of Research Administration will continue its work during Michaelmas and Lent Terms with the aim of publishing a report in the Lent Term 2019 on progress in implementing the recommendations of the Review.¹ The Council and the General Board, with the full support of the Research Office, have agreed that there should be a light-touch follow-up evaluation to the review in 2022.

7. That the Council better inform the University of the development of a Brexit strategy, initially by publishing the minutes and papers of the Brexit Committee on the governance website.

A dedicated Brexit website was relaunched in October 2018 to coincide with the Vice-Chancellor’s statement on Brexit and the University’s priorities (<https://www.eu.admin.cam.ac.uk/>). Updates from the work of the two groups focussing on strategy and operational planning will be published on this site on a termly basis. Open meetings on Brexit chaired by the Vice-Chancellor are planned during the year, with the first on Wednesday, 12 December 2018.

8. As part of the further development of the People Strategy the Council should clarify the policy – and criteria – for the creation and filling of unestablished posts.

Whether a post is unestablished or established is a matter for individual institutions to determine based on local circumstances. The Resource Management Committee provides guidance on the process for creating, filling and changing posts, which includes information on preparing a business case. There is currently no plan to develop a new policy or criteria to dictate to institutions whether a post should be created and filled on an unestablished or established basis. However, the Council notes the concerns of the Board of Scrutiny and will ask the Human Resources Committee to keep the matter under review.

¹ The report of the Research Administration Review setting out the recommendations is available at <http://www.admin.cam.ac.uk/cam-only/reporter/2018-19/weekly/6528/ResearchAdministrationReview2016.pdf>

Response to Discussion remarks

The Council notes Dr Sliwa's remarks on pay. As a member of the New Joint Negotiating Committee for Higher Education Staff (N-JNCHES), the University is bound by the national pay awards agreed under the N-JNCHES process. However, the University also recognizes the need to improve the total reward package offered to staff, as well as to tackle pay inequalities. Many of the initiatives currently under development provide additional focus on closing the gender pay gap. These include professional career pathways and pay progression schemes, and career coaching, and an augmented line management development programme.

VACANCIES, APPOINTMENTS, ETC.**Vacancies in the University**

A full list of current vacancies can be found at <http://www.jobs.cam.ac.uk>.

University Lecturer in the Study of Religion in the Faculty of Divinity; tenure: from 1 September 2019; salary: £40,792–£51,630; closing date: 31 December 2018; further details: <http://www.jobs.cam.ac.uk/job/19274>; quote reference: GF17158

The University values diversity and is committed to equality of opportunity.

The University has a responsibility to ensure that all employees are eligible to live and work in the UK.

Elections, appointments, reappointments, and grants of title

ELECTIONS

Dr Rosalind Claire Love, *R*, M.A., Ph.D., *JN*, Reader in Insular Latin, Department of Anglo-Saxon, Norse, and Celtic, elected to the Elrington and Bosworth Professorship of Anglo-Saxon with effect from 1 October 2019.

Professor Vishal Narayan, B.Sc., *Delhi*, M.A., *Lucknow*, M.Phil., Ph.D., *New York*, Associate Professor of Marketing, National University of Singapore Business School, elected Sandra Dawson Visiting Professor of Marketing, Strategy, and Innovation from 19 November 2018 until 1 December 2018.

APPOINTMENTS

University Lecturers

Applied Mathematics and Theoretical Physics. Dr Maciej Lukasz Dunajski, *CL*, M.Sc., *Lodz, Poland*, D.Phil., *Oxford*, appointed from 1 October 2018 until the retiring age and subject to a probationary period of three years.

Archaeology. Dr Emma Elizabeth Pomeroy, M.A., Ph.D., *JN*, M.A., *Southampton*, appointed from 1 January 2019 until the retiring age and subject to a probationary period of five years.

Computer Science and Technology. Dr Ryan David Cotterell, B.A., M.S.E., M.S.E., Ph.D., *Johns Hopkins, USA*, appointed from 11 October 2018 until the retiring age and subject to a probationary period of five years.

Physics. Dr Marc-Olivier Bettler, Ph.D., *Ecole Polytechnique Federale de Lausanne, Switzerland*, appointed from 1 November 2018 until the retiring age and subject to a probationary period of five years.

Associate Lecturers

Clinical Medicine. Dr Anne Segonds-Pichon has been appointed from 1 October 2017 until 30 September 2022. Dr Sanjay Agrawal, Dr Vazeer Ahmed, Dr Famila Alagarsamy, Dr Naser Alsadi, Dr Michelle Arora, Dr Anita Balakrishnan, Dr Melita Brownrigg, Dr Pravin Desai, Dr Emmy Dickens, Dr Robert Florance, Dr Johann Graggaber, Ms Fatemeh Hoveyda, Ms Claire Jackson, Mr Jonathan Jones, Mr Siong-Seng Liao, Dr Susan Lister, Dr Claire McCarthy, *JE*, Dr Dunecan Charles Osborne Massey, *CAI*, Dr Jonathan Mathers, Dr Anne Moody, Dr Rhys Clwyd Roberts, Dr Rachel Shute, Dr Olivia Will, Dr Vivian Yiu, and Dr George Zachariah have been appointed from 1 October 2018 until 30 September 2023.

Clinical Lecturers

Medicine. Dr Nyaradzai Sithole, Ph.D., *PET*, M.B. Ch.B., *Zimbabwe*, M.Sc., *Liverpool*, MRCP, appointed from 1 January 2019 until 31 December 2022 and subject to a probationary period of twelve months.

Senior Under-Librarian

University Library. Ms Niamh Marie Tumelty, B.A., *National University of Ireland*, M.Sc., *Aberystwyth*, appointed from 1 October 2018 until the retiring age.

Assistant Under-Librarian

University Library. Ms Katherine Emma Faulkner, B.A., M.Sc., *London*, MCLIP, appointed from 1 October 2018 until the retiring age and subject to a probationary period of nine months.

Administrative Officers

University Offices (Academic Division). Ms Emma Rixon, B.A., *Western Australia*, appointed from 29 October 2018 until the retiring age and subject to a probationary period of nine months. Mr Laurence Joseph Somers, B.A., *St Patrick's, Carlow, Ireland*, M.A., *University College Dublin*, appointed from 5 November 2018 until the retiring age and subject to a probationary period of nine months.

REAPPOINTMENTS

Associate Lecturers

Clinical Medicine. Dr Neil John Hunt, *Q*, Dr Rodney John Charles Laing, *T*, Mr Stephen Ralph Large, Dr Susan Robinson, Dr Ashley Shaw, and Dr Ian Edward Smith have been reappointed until 30 September 2023.

GRANTS OF TITLE

Affiliated Lecturers

Biological Sciences. Dr Susan Imrie, *N*, and Dr Sophie Zadeh, *CC*, have been granted the title of Affiliated Lecturer from 1 December 2018 until 30 November 2020. Dr Emma Jane Louise Weisblatt, *G*, has been granted the title of Affiliated Lecturer from 1 January 2019 until 31 December 2020. Dr Rebecca Lawson, *PET*, has been granted the title of Affiliated Lecturer from 1 October 2018 for a further two years. Professor Stathi Efstathiou, *CHU*, Mr Thomas Santarius, and Dr Idalmis Santiesteban have been granted the title of Affiliated Lecturer from 1 January 2019 for a further two years.

Clinical Medicine. Dr Mark Reacher has been granted the title of Affiliated Lecturer from 1 October 2018 for a further two years. Mr Andrew James Patterson has been granted the title of Affiliated Lecturer from 1 January 2019 for a further two years.

Divinity. Reverend Alexandra Mary Barrett, *CL*, Dr Elizabeth Rachel Phillips, *ED*, and Reverend Dr Caroline Yandell have been granted the title of Affiliated Lecturer from 1 October 2018 for a further two years.

Earth Sciences. Dr Elizabeth Mary Harper, *CAI*, has been granted the title of Affiliated Lecturer from 1 February 2019 for a further two years.

Engineering. Dr Talia Simone Da Silva, Dr Paul Heffernan, *W*, and Dr Judith Plummer Braeckman have been granted the title of Affiliated Lecturer from 1 October 2018 until 30 September 2019.

History. Dr Thomas Hopkins, *CHR*, Dr Michael Humphreys, and Dr Matthew Neal, *F*, have been granted the title of Affiliated Lecturer from 1 October 2018 until 30 September 2019. Dr Allen Packwood, *CHU*, and Professor James Raven, *M*, have been granted the title of Affiliated Lecturer from 1 October 2018 until 30 September 2020. Dr Colin Shindler has been granted the title of Affiliated Lecturer from 1 October 2018 for a further year. Dr Martin Robert Allen, *W*, Dr Gareth William Atkins, *Q*, Dr Melissa Tay Calaresu, *CAI*, Dr Joseph Peter Canning, *Q*, Dr Tom Stuart Cordiner, Dr Leigh Taliaferro Denault, *CHU*, Dr Michael James Edwards, *JE*, Dr Bronwen Everill, *CAI*, Dr William Henry Foster, *HO*, Dr Elizabeth Ann Foyster, *CL*, Dr Bernard Dietrich Fulda, *SID*, Dr Rosemary Elizabeth Horrox, *F*, Dr Sachiko Kusakawa, *T*, Dr Thomas Benedict Lambert, *SID*, Dr Simone Maghenzani, *G*, Mr Scott Howard Mandelbrote, *PET*, Dr Duncan James Needham, *DAR*, Mr Richard John Partington, *CHU*, Dr Martha Kate Peters, *MUR*, Dr David Robert Pratt, *DOW*, Dr Richard William Serjeantson, *T*, Dr Maria Christina Skott, *M*, Dr David Lawrence Smith, *SE*, Dr Andrew Mark Spencer, *MUR*, Dr Andrew Clague Thompson, *Q*, Dr Sylvana Palma Tomaselli, *JN*, Dr Damian Anthony Valdez, *T*, Dr Elisabeth van Houts, *EM*, and Dr Ineke van 't Spijker have been granted the title of Affiliated Lecturer from 1 October 2018 for a further two years.

Law. Dr Megan Donaldson, *K*, Dr Colm Peter McGrath, *CC*, Mr Lorenzo Maniscalco, *CL*, Mr Henry Michael Mares, *SID*, Dr Christopher Phillip Stephen Markou, *JE*, Dr Rose Anne Melikan, *CTH*, Mr Bobby Vijay Reddy, *CHU*, Mr Mark Smith, and Dr Alex James Trinidad, *W*, have been granted the title of Affiliated Lecturer from 1 October 2018 until 30 September 2019. Ms Zoe Louise Adams, *K*, Dr Geoffrey Carroll Barnes, Dr Joanna Rachel Bell, *JN*, Professor Peter Frederic Cane, *CHR*, Dr Simon de Smet, Professor Christopher Forbes Forsyth, *R*, Ms Sarah Fraser-Butlin, *SE*, Mr Leslie Kosmin, Dr Fernando Lusa-Bordin, *SID*, Mr Nicholas John McBride, *PEM*, Sir Dennis O'Connor, Mr Gavin Robert, Dr Yvonne Patricia Salmon, *CHR*, Dr Brian Damien Sloan, *R*, Dr Benjamin Spagnolo, *T*, Dr Martin Henry Steinfeld, *HH*, Mr Julius Friedlieb Wiesengrund Weitzdoerfer, *DAR*, and Dr Rumiana Yotova, *CAI*, have been granted the title of Affiliated Lecturer from 1 October 2018 for a further year.

Modern and Medieval Languages. Dr Luigi Andriani, Dr Emily Baker, Mr Jeff Adam Andrew Barda, *MUR*, Dr Monica Boria, Dr Miriam Bouzouita, Professor William E. Burgwinkle, *K*, Dr Rocio Diaz-Bravo, Dr Polly Dickson, Dr Jamie Alexander Douglas, *HO*, Ms Alexandra Dugdale, Ms Olga Grinchenko, Dr Paul Hoegger, *F*, Dr Simone Kugeler-Race, Ms Daria Mattingly, Dr Simon Pickl, *Q*, Dr Mohammad Taher Pilehvar, Ms Emily Kate Price, *R*, Ms Sura Qadiri, *CTH*, Mr Bohdan Tokarskyi, Dr Sandra Velasquez-Alford, and Dr James Womack, *F*, have been granted the title of Affiliated Lecturer from 1 October 2018 until 30 September 2020.

NOTICES BY THE GENERAL BOARD**Senior Academic Promotions, 1 October 2019 exercise: Committees**

The General Board have appointed the following as members of their Senior Academic Promotions Committee and School Committees for the 1 October 2019 Senior Academic Promotions exercise.

General Board's Senior Academic Promotions Committee

The Vice-Chancellor, Professor Stephen Toope (*Chair*)
 Professor Liba Chaia Taub (Arts and Humanities)
 Professor Valerie Gibson (Biological Sciences)
 Professor Elizabeth Ann Howlett Hall (Clinical Medicine)
 Professor Koen Alexander Steemers (Humanities and Social Sciences)
 TBC (Physical Sciences)
 Professor Carol Elspeth Goodeve Brayne (Technology)

Externals:

Professor Christopher Carey (University College London) (Arts and Humanities)
 Professor Susan Wray (University of Liverpool) (Biological Sciences)
 Professor Moira Whyte (University of Edinburgh) (Clinical Medicine)
 Professor Louise Gullifer (University of Oxford) (Humanities and Social Sciences)
 Professor Daniela Bortoletto (University of Oxford) (Physical Sciences)
 Professor Rebecca Cheung (University of Edinburgh) (Technology)

GENERAL BOARD'S SCHOOL COMMITTEES

<i>Arts and Humanities</i>	Professor Liba Chaia Taub (<i>Chair</i>) Professor Wendy Margaret Bennett Professor Simon David Goldhill Professor Catherine Jane Crozier Pickstock Professor Johan Jacob van de Ven Professor Christopher John Young Professor Christopher Carey (External)
<i>Biological Sciences</i>	Professor Valerie Gibson (<i>Chair</i>) Professor Matthew James Allen Professor Abigail Lesley Fowden Professor Anna Philpott Professor Christopher William Joseph Smith Professor Susan Wray (External)
<i>Clinical Medicine</i>	Professor Elizabeth Ann Howlett Hall (<i>Chair</i>) Professor Edward Thomas Bullmore Professor Patrick Francis Chinnery Professor Fiona Jane Gilbert Professor Patrick Henry Maxwell Professor Sir Stephen O'Rahilly Professor Moira Whyte (External)
<i>Humanities and Social Sciences</i>	Professor Koen Alexander Steemers (<i>Chair</i>) Professor Philip Michael Allmendinger Professor Susan Banks Bayly Professor Kaivan Dara Munshi Professor David James Reynolds Professor Anna Frances Vignoles Professor Louise Gullifer (External)
<i>Physical Sciences</i>	TBC (<i>Chair</i>) Professor Sir Shankar Balasubramanian Professor Serena Michelle Best Professor Alan Lindsay Greer Professor Peter Howard Haynes Professor James Anthony Jackson Professor Daniela Bortoletto (External)

<i>Technology</i>	Professor Carol Elspeth Goodeve Brayne (<i>Chair</i>) Professor John Stephen Dennis Professor Vikram Sudhir Deshpande Professor Andrew Mawdesley Pitts Professor Richard William Prager Professor Jaideep Charles Prabhu Professor Rebecca Cheung (External)
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FACULTY COMMITTEES

1. School of Arts and Humanities

<i>Faculty or other institution</i>	<i>Members appointed</i>
Combined Faculty Committee One Architecture and History of Art, English, Music, Philosophy, and Divinity	Professor Robert Douglas Hedley (<i>Chair</i>) Reverend Dr Jeremy Nigel Morris ¹ Professor Peter Leslie de Bolla Professor Katharine Jill Ellis Professor John Francis Kerrigan Professor Maire Ni Mhaonaigh Professor Michael David Potter Professor Wendy Ann Pullan Professor Caroline Alexandra Van Eck Dr Peter John Harland (Secretary)
Combined Faculty Committee Two Classics, Modern and Medieval Languages, and Asian and Middle Eastern Studies	Professor James Peter Timothy Clackson (<i>Chair</i>) Professor Ian Alexander McFarland ¹ Professor Sven Mikael Adolphson Professor Robert Samuel Clive Gordon Professor Geoffrey Allan Khan Professor Stephen Phelps Oakley Professor Ianthi Maria Tsimpli Professor Emma Katherine Widdis Professor Emma Fiona Wilson Mr Andrew Bennett (Secretary)

2. School of the Biological Sciences

<i>Faculty or other institution</i>	<i>Members appointed</i>
Biology and Veterinary Medicine	Professor Beverley Jane Glover (<i>Chair</i>) Professor Fiona Mary Gribble ¹ Professor Mark Henry Johnson Professor Paul Martin Brakefield Professor John Michael Edwardson Professor Gerard Ian Evan Professor Anne Carla Ferguson-Smith Professor Alison Gail Smith Professor Geoffrey Lilley Smith Professor James Lionel Norman Wood Professor Sarah Jane Bray Ms Catharine Jane Butler (Secretary)

3. School of Clinical Medicine

<i>Faculty or other institution</i>	<i>Members appointed</i>
Clinical Medicine	Professor Peter Brian Jones (<i>Chair</i>) Professor Catherine Watson ¹ Professor Susan Elizabeth Gathercole Professor Richard James Gilbertson Professor Eamonn Richard Maher Professor Andrew William McCaskie Professor Susan Ozanne Professor Sylvia Therese Richardson Professor David Henry Rowitch Professor Kenneth George Campbell Smith Dr Litsa Maria Biggs (Secretary)

¹ Member appointed external to the Faculty.

4. School of the Humanities and Social Sciences

<i>Faculty or other institution</i>	<i>Members appointed</i>
Economics	Professor Christopher John Harris (<i>Chair</i>) Professor Diane Coyle ¹ Professor Robert Andrew Evans Professor Sheilagh Catheren Ogilvie Professor Alexey Onatskiy Professor Vasco Miguel Pereira Marques de Carvalho Dr Susan Wan (Secretary)
Education	Professor Maria Nikolajeva (<i>Chair</i>) Professor Loraine Ruth Renata Gelsthorpe ¹ Professor Pamela Anne Burnard Professor Geoffrey Francis Hayward Professor Pauline Margaret Rose Professor Keith Stephen Taber Ms Kate Marie-Josephine Allen (Secretary)
History	Professor Alexandra Marie Walsham (<i>Chair</i>) Professor Sarah Elizabeth Worthington ¹ Professor Sir Christopher Munro Clark Professor Saul Herman Dubow Professor Timothy Norman Harper Professor Mary Rachel Laven Professor Simon Richard Stanislaw Szreter Professor Mary Teresa Josephine Webber Dr Elizabeth Haresnape (Secretary)
Human, Social, and Political Sciences and the Department of History and Philosophy of Science	Professor Simon John Schaffer (<i>Chair</i>) Professor Loraine Ruth Renata Gelsthorpe ¹ Professor Patrick Jacques Nicole Baert Professor James Alexander Laidlaw Professor John Ernest Robb Professor Jason Campbell Sharman Ms Marie Anne Butcher (Secretary)
Law, Land Economy, and Criminology	Professor Ronald Leonard Martin ¹ (<i>Chair</i>) Professor Catherine Sarah Barnard Professor Brian Robert Cheffins Professor Laura Diaz Anadon Professor Mark Christopher Elliot Professor Loraine Ruth Renata Gelsthorpe Professor Colin Martyn Lizieri Professor Martin John Dixon Professor Sarah Elizabeth Worthington Ms Laura Clare Smethurst (Secretary)

5. School of the Physical Sciences

<i>Faculty or other institution</i>	<i>Members appointed</i>
Earth Sciences and Geography	Professor Ashit Hairprasad Amin (<i>Chair</i>) Professor Henrietta Miriam Ottoline Leyser ¹ Professor Nicholas James Butterfield Professor Michael Allan Carpenter Professor Michael Hulme Professor Christine Susanna Lane Professor Simon Anthony Turner Redfern Professor Bhaskar Vira Professor Andrew William Woods Dr Adam Nigel Strange (Secretary)

¹ Member appointed external to the Faculty.

Mathematics	Professor John Alexander David Aston (<i>Chair</i>) Professor Catherine Jane Clarke ¹ Professor Natalia G. Berloff Professor Emmanuel Francois Jean Breuillard Professor James Ritchie Norris Professor Nigel Peake Professor Malcolm John Perry Professor Richard John Samworth Professor Ivan Smith Professor David Tong Ms Hannah Fox (Secretary)
Physics and Chemistry	Professor Gerard Francis Gilmore (<i>Chair</i>) Professor Marian Barbara Holness ¹ Professor Ruth Elizabeth Cameron Professor Catherine Jane Clarke Professor Christopher Allim Haniff Professor Christopher Alexander Hunter Professor Roderic Lewis Jones Professor Richard Gerard McMahon Professor Paul Anthony Midgley Professor Jonathan Russell Nitschke Professor Michael Andrew Parker Professor Henning Sirringhaus Ms Alison Jane Cook (Secretary)
6. School of Technology	
<i>Faculty or other institution</i>	<i>Members appointed</i>
Business and Management	Professor Jochen Heiko Runde (<i>Chair</i>) Professor Nicola Susan Clayton ¹ Professor Michael Ian Barrett Professor Christoph Hubert Loch Professor Sucheta Subhash Nadkarni Professor Michael Gerald Pollitt Professor Daniel Ralph Ms Julie Brown (Secretary)
Computer Science and Technology	Professor Cecilia Mascolo (<i>Chair</i>) Professor Zoe Kourtzi ¹ Professor Ann Alicia Copestake Professor Anuj Dawar Professor Peter Michael Sewell Professor Simone Heidi Teufel Ms Caroline Anne Stewart (Secretary)
Engineering and Chemical Engineering and Biotechnology	Professor Richard William Prager (<i>Chair</i>) Professor Evis Sala ¹ Professor Holger Babinsky Professor William Joseph Byrne Professor Andrew John Flewitt Professor Simon David Guest Professor Robin Stewart Langley Professor Timothy Herbert Warren Minshall Professor Geoffrey Dillwyn Moggridge Professor Jochen Axel Zeitler Ms Sally Dorothy Winton Collins-Taylor (Secretary)

¹ Member appointed external to the Faculty.

REGULATIONS FOR EXAMINATIONS

Natural Sciences Tripos, Part II

(*Statutes and Ordinances*, p. 405)

With effect from 1 October 2019

The General Board, on the recommendation of the Committee of Management for the Natural Sciences Tripos, has approved amendments to Regulation 30 for Part II of the Natural Sciences Tripos to remove reference to the Half Subject Materials Science course under Physical Sciences to reflect that this Half Subject will no longer be offered.

Regulation 30.

Physical Sciences

By removing 'Materials Science' from the list of Half Subjects in sub-paragraph (a).

And by deleting sub-paragraph (iv).

NOTICES BY FACULTY BOARDS, ETC.

Associate Dean for Research in the Department of Veterinary Medicine

The Faculty Board of Veterinary Medicine has announced that Dr Mark Adrian Holmes, *CHU*, has been designated Associate Dean for Research in the Department of Veterinary Medicine for three years from 1 November 2018.

FORM AND CONDUCT OF EXAMINATIONS

Notices by Faculty Boards, or other bodies concerned, of changes to the form and conduct of certain examinations to be held in 2018–19, by comparison with those examinations in 2017–18, are published below. Complete details of the form and conduct of all examinations are available from the Faculties or Departments concerned.

Medical and Veterinary Sciences Tripos, Part IB, 2019

The Faculty Board of Biology gives notice that, with effect from the examinations to be held in 2019, the form of the examination for the following papers for the Medical and Veterinary Sciences Tripos will be changed as follows:

PART IB

Biology of Disease

Paper BOD1, Biology of Disease, Section I. Paper I will be a one-hour examination where questions may examine knowledge and understanding of any aspect of the course. Questions will be compulsory single best answer format.

Paper BOD2, Biology of Disease, Section II. Paper II will be a two-hour examination comprising five equally weighted compulsory questions requiring written answers. All material covered in the practical course is examinable.

Veterinary Reproductive Biology

Sections I and II are now combined into a single 90-minute MCQ/Practical Steeplechase paper. There will be fifteen stations, with five questions per station, i.e. 75 questions in total. Nine of the stations will be theory with no specimens present, six of the stations will be practical with specimens.

The Section III paper remains unchanged, but will now be sat in the Department of Physiology, Development, and Neuroscience.

Natural Sciences Tripos, Parts IA and IB, 2019

The Committee of Management for the Natural Sciences Tripos gives notice that, with effect from the examinations to be held in 2019, the form and conduct of the examinations for the following papers in Parts IA and IB of the Natural Sciences Tripos will be changed as follows:

PART IA

Physics

The written examination will carry 75% of the total marks for the course; assessed practical work will carry the remaining 25% of the total marks.

The written examination will consist of one paper of three hours' duration, consisting of two sections. All questions will be compulsory. Section A will contain five short questions, worth five marks each. Section B will contain five long questions worth fifteen marks each. The total available mark for the examination paper is 100.

PART IB

Mathematics

Candidates are not permitted to use calculators in the examination.

Natural Sciences Tripos, Part III (Physics), and Master of Advanced Studies in Physics, 2019

The Committee of Management for the Natural Sciences Tripos gives notice that, with effect from the examinations to be held in 2019, the form and conduct of the examinations in Physics in Part III of the Natural Sciences Tripos, and for the examination for the degree of Master of Advanced Studies, will be as follows:

Physics

Each candidate shall offer

- (a) a project;
- (b) a minimum of three major topics, or equivalent shared and/or borrowed papers, as specified in the course handbook. If a candidate offers additional papers the Examiners will take into account the three papers which they judge to be the best;
- (c) a minimum of three minor topics, or equivalent units of further work, as specified in the course handbook. If a candidate offers additional papers the Examiners will take into account the three papers which they judge to be the best;
- (d) a paper on general physics, based on the core syllabus of Part I and Part II Physics.

Each major topic paper is of two hours' duration and shall contain three questions of equal weight. The questions shall generally consist of a mix of discursive material and problems, with the proportion of each being at the Examiners' discretion. Candidates must attempt two questions.

Each minor topic paper is of one and a half hours' duration and shall contain three questions of equal weight. The questions shall generally consist of a mix of discursive material and problems, with the proportion of each being at the Examiners' discretion. Candidates must attempt two questions.

The regulations for the project and general paper, and the titles and total marks for each major topics and minor topics paper, are unchanged.

CLASS-LISTS, ETC.

Allowances to candidates for examinations

The Council has made the following allowances to the candidates named below in respect of the examinations shown against their names which were held in the Easter Term 2018, unless otherwise stated:

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Approved for degrees

The Board of Graduate Studies has approved the following persons for the award of degrees. In the case of degrees where dissertations are required to be deposited in the University Library, the title of the dissertation is shown after the name of the person by whom it was submitted.

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OBITUARIES

Obituary Notice

The Right Honourable JEAN ALYS, The BARONESS TRUMPINGTON, DCVO, Hon.FRCPath., Honorary Fellow of Lucy Cavendish College, Honorary Councillor and former Mayor of the City of Cambridge, died on 26 November 2018, aged 96 years.

GRACES

Grace submitted to the Regent House on 28 November 2018

The Council submits the following Grace to the Regent House. This Grace, unless it is withdrawn or a ballot is requested in accordance with the regulations for Graces of the Regent House (*Statutes and Ordinances*, p. 105) will be deemed to have been approved at 4 p.m. on Friday, 7 December 2018.

1. That the recommendations in paragraph 4 of the Report of the General Board, dated 31 October 2018, on the establishment of certain Professorships (as corrected on 14 November 2018, *Reporter*, 2018–19; 6525, p. 110; 6526, p. 117) be approved.

ACTA

Congregation of the Regent House on 24 November 2018

A Congregation of the Regent House was held at 2 p.m. All of the Graces submitted to the Regent House (*Reporter*, 6527, 2018–19, p. 125) were approved.

The following degrees were conferred:

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E. M. C. RAMPTON, *Registrar*

END OF THE OFFICIAL PART OF THE 'REPORTER'

REPORT OF DISCUSSION**Tuesday, 20 November 2018**

A Discussion was held in the Senate-House. Deputy Vice-Chancellor Professor Geoffrey Ward was presiding, with the Registry's deputy, the Deputy Senior Proctor, the Junior Pro-Proctor, and two other persons present.

The following Report was discussed:

Report of the General Board, dated 31 October 2018, on the establishment of certain Professorships (as corrected, *Reporter*, 2018–19; 6525, p. 110; 6526, p. 117).

No remarks were made on this Report.

COLLEGE NOTICES**Vacancies**

Christ's College: Lady Wallis Budge Junior Research Fellowship in Egyptology; tenure: four years; closing date: 3 January 2019 at 12 noon; further details: <https://www.christs.cam.ac.uk/vacancies-christs-college>

Non-Stipendiary Junior Research Fellowship in Clinical Medicine, Biological Sciences, Arts, Humanities, or Social Sciences; tenure: at least two but no more than four years from not later than 1 October 2019; closing date: 9 January 2019 at 12 noon; further details: <https://www.christs.cam.ac.uk/vacancies-christs-college>

Homerton College: Healthcare Improvement Studies Fellowships (in association with The Healthcare Improvement Studies (THIS) Institute)/College Research Associates; two available; stipend: £33,198 a year (pro rata); tenure: four years full-time, or up to six-and-a-half years part-time; closing date: 8 January 2019 at 2 p.m.; further details: <http://www.homerton.cam.ac.uk/vacancies>

Jesus College:

Graduate Applicant Scholarships, 2019

- Humanities and Social Sciences: Albert Goh and Elizabeth Coupe Scholarship (Masters, £4,000);
- History or Historical Studies: Gurnee Hart Scholarship (Masters, £8,000);
- Physical Science, Engineering, or Mathematics: Embiricos Scholarship (Ph.D., up to £13,500 per year for three years maximum, applicants of Greek, Greek Cypriot, or British nationality or descent);
- Technology or Biological Sciences: David and Susan Hibbitt Scholarship (Ph.D., up to £10,000 per year for three years maximum);
- Science, Engineering, and Medicine: Valluri-Rao Scholarship (Ph.D., up to £8,000 per year for three years maximum);

Applications deadline: 26 March 2019; further details: <https://www.jesus.cam.ac.uk/college/graduate/finance-funding-scholarships-and-bursaries>

Peterhouse: Graduate Studentships 2019; tenure: for the normal duration of the student's degree, up to a maximum of four years; funding: may cover University and College fees, plus maintenance at the same level as the Arts and Humanities Research Council awards, subject to circumstances; closing date: 4 January 2019 at 5 p.m.; further details: <https://www.graduate-studentship.pet.cam.ac.uk>

Queens' College: President (Head of College); tenure: from 1 October 2020; closing date: 11 January 2019; further details: available from Saxton Bampfylde Ltd at: <https://www.saxbam.com/appointments> (using code KABSF)

Events**Magdalene College**

Friends of the Pepys Library Annual Lecture

Dr Kate Loveman, of the University of Leicester, presents *Samuel Pepys and Women*, at 5 p.m. on Saturday, 1 December 2018, in the Benson Hall, Magdalene College; open to all; further details: <https://www.magd.cam.ac.uk/>

Nelson Mandela: the Legacy in Education

A special event on Friday, 7 December 2018, chaired by Dr Rowan Williams, to commemorate the centenary of Nelson Mandela, in the presence of H.E. the High Commissioner of South Africa; open to all, pre-booking essential; further details: <https://www.magd.cam.ac.uk/>

EXTERNAL NOTICES**Oxford Notices**

Faculty of Law and St Peter's College: Professorship of Intellectual Property and Information Technology Law; closing date: 14 January 2019 at 12 noon; further details: <https://www.ox.ac.uk/about/jobs/academic/index/ac138095j/>

Faculty of Oriental Studies and University College: Shaw Professorship of Chinese; closing date: 14 December 2018 at 12 noon; further details: <https://www.recruit.ox.ac.uk/>

Department of Mathematics and Worcester College: Professorship of Pure Mathematics; tenure: from 1 October 2019 or earlier; closing date: 21 January 2019 at 12 noon; further details: <http://www.maths.ox.ac.uk/node/30756>

University College: Junior Research Fellowship in Medieval History; tenure: three years from October 2019; stipend: £24,983 plus benefits; closing date: 16 January 2019 at 12 noon; further details: <https://www.univ.ox.ac.uk/jobs-at-univ-2/>