

CAMBRIDGE UNIVERSITY REPORTER

No 6299

WEDNESDAY 27 FEBRUARY 2013

VOL CXLIII No 22

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UNIVERSITY OF
CAMBRIDGE

NOTICES**Calendar**

3 March, *Sunday*. Preacher before the University at 11.15 a.m., The Reverend D. A. S. Fergusson, Professor of Divinity and Principal of New College in the University of Edinburgh (Hulsean Preacher).

5 March, *Tuesday*. End of third quarter of Lent Term. Discussion at 2 p.m. in the Senate-House (see below).

15 March, *Friday*. Full Term ends.

Discussions at 2 p.m.

5 March

19 March

Congregations

23 March, *Saturday at 10 a.m.*

Notice of a Discussion on Tuesday, 5 March 2013

The Vice-Chancellor invites those qualified under the regulations for Discussions (*Statutes and Ordinances*, p. 107) to attend a Discussion in the Senate-House on Tuesday, 5 March 2013, at 2 p.m. for the discussion of:

1. Report of the General Board, dated 6 February 2013, on the establishment or re-establishment of two Professorships in the Department of Clinical Neurosciences (*Reporter*, 6297, 2012–13, p. 362).
2. Report of the General Board, dated 6 February 2013, on the establishment of an MRC Research Professorship of Epidemiology (*Reporter*, 6298, 2012–13, p. 370).

First-stage Report of the Council, dated 21 January 2013, on the alteration and refurbishment of the Arup Building on the New Museums Site: Notice in response to Discussion remarks

The Council has considered the remarks made at the Discussion on 5 February 2013 (*Reporter*, 6297, 2012–13, p. 364) about this Report (*Reporter*, 6294, 2012–13, p. 323). Speakers raised a number of points and questions to which responses have been provided below:

1. The New Museums Site Project Board is working on a master plan for the site and hopes to publish its initial findings later this year.
2. After demolitions and alterations the gross internal area of the Arup Building will be approximately 13,400m², giving an estimated cost per metre² that is approximately 20 per cent less than the cost per metre² based on the gross internal area of the new Chemical Engineering Building.
3. The possibility of demolishing the Arup Building was considered as part of a full appraisal of the options, which included consideration of costs, planning, and conservation issues. The Planning and Resources Committee concluded that the proposed refurbishment was the best option.
4. Officers in the Academic Division will agree, with the relevant parties, alternative arrangements for lectures during the temporary closure of the Babbage Lecture Theatre.
5. As some speakers noted, the timetable governing the works on the Arup Building has been known for some time. However, the process of reaching agreement with all stakeholders on the specification of the Data Centre took much longer than expected, resulting in the initial schedule for the Data Centre being delayed.
6. Concerns were raised at the Discussion about the risk to network services as a result of the relocation of the University Computing Service and the High Performance Computing Service machine rooms. The Senior Pro-Vice-Chancellor has constituted a project board to monitor the temporary relocation of network services pending the final move to the new Data Centre to mitigate these risks.
7. Delay to the refurbishment of the Arup Building would have incurred considerable risk to the project, including the inability to secure significant donations towards the cost of the project. A full appraisal of the options was conducted and the additional expenditure that would be caused by the temporary moves was judged by the Planning and Resources Committee to be the best of the alternatives available.

The Council is submitting a Grace for the approval of this Report (Grace 1, p. 384).

Statement of Investment Responsibility

27 February 2013

In 2008, the Council approved a Statement of Investment Responsibility (*Reporter*, 6158, 2008–09, p. 1002), commended by the Executive Committee and the Investment Board. Following the annual review of the operation of the policy by the Executive Committee, the Council approved the following revised version which is now published below for the information of the University.

Background

1. The University's mission is 'to contribute to society through the pursuit of education, learning, and research at the highest international levels of excellence'. All the resources of the University are ultimately applied to this charitable purpose. Its core values include freedom of thought and expression and freedom from discrimination, as well as concern for sustainability and the relationship with the environment.
2. The University's investment assets are concentrated in the Cambridge University Endowment Fund (CUEF).
3. Council has established an Investment Board and an Investment Office. The Investment Board advises the Council through the Finance Committee on matters relating to the University's investments, working closely with the University's Investment Office. The Board proposes and agrees with the Council investment objectives and an investment strategy appropriate to those objectives, recommends for agreement asset allocation limits, and advises on the appointment of managers for these funds who operate under instruction from the Chief Investment Officer.
4. CUEF, managed by the Investment Office, primarily makes indirect investments. The investment portfolio is allocated between various asset classes (for example publicly-traded equities, bonds, real assets, absolute return (hedge funds), private equity, and bonds). Investments will be made by fund managers specializing in each asset class appointed with a discretionary mandate to outperform within that asset class.
5. Therefore, typically, securities in trading companies will not be managed or held directly by the CUEF, but indirectly through investment in other funds (index funds, exchange traded funds, hedge funds, private equity funds, and partnerships and other vehicles). Of these indirect investments, a large proportion may not be readily marketable.
6. The University holds certain non-operational assets in addition to its investments in the CUEF, including properties not in operational use let for commercial returns and investments in University spin-out companies. The majority of these investments are not held on solely financial investment grounds.

Statement of Investment Responsibility

7. The primary fiduciary responsibility of the Council in investing and managing the University's endowment and other financial investment assets is to maximize the financial return on those resources, taking into account the amount of risk within the University's established investment policy. However, there are circumstances, described in Charity Commission guidance (see CC14 – *Charities and Investment Matters: A guide for trustees*, available at <http://www.charitycommission.gov.uk/publications/cc14.aspx>) and founded in judicial decisions, when the University may balance against its primary responsibility considerations of the ethical nature of investments.
8. When investing and managing the non-operational estate, holdings in spin-out companies and similar investments in circumstances where the investment cannot be entirely justified on financial investment grounds alone, the Council is responsible for ensuring that the investment is in the best interests of the University.

Operation

9. The Executive Committee of the Council is responsible for keeping the policy on Investment Responsibility under review. Without prejudice to its power to review the policy at any time in so far as it considers it necessary to do so, the Committee will meet for this purpose with the University's Chief Investment Officer and Director of Finance at least once a year. The CUSU Socially Responsible Investment Officer will be invited to attend these meetings. Any matters relating to the application of the policy should be addressed in writing to the Registry.

VACANCIES, APPOINTMENTS, ETC.

Electors to the Professorship of Aerothermal Technology: Notice

The Council has appointed members of the *ad hoc* Board of Electors to the Professorship of Aerothermal Technology as follows:

Professor John Rallison, *T*, in the Chair, as the Vice-Chancellor's deputy

(a) on the nomination of the Council

Professor Dame Ann Dowling, *SID*
Professor Anthony Arts, *Von Karman Institute, Belgium*

(b) on the nomination of the General Board

Professor Howard Chase, *M*
Professor Lynn Gladden, *T*
Professor Jim McGuirk, *Loughborough University*

(c) on the nomination of the Faculty Board of Engineering

Professor Nick Collings, *R*
Professor William Dawes, *CHU*
Dr Richard Parker, *Rolls-Royce*

Electors to the Professorship of Empirical Macroeconomics: Notice

The Council has appointed members of the *ad hoc* Board of Electors to the Professorship of Empirical Macroeconomics as follows:

Dr Kate Pretty, *HO*, in the Chair, as the Vice-Chancellor's deputy

(a) *on the nomination of the Council*

Professor Martin Daunton, *TH*
Professor Sheilagh Ogilvie

(b) *on the nomination of the General Board*

Professor Andrew Harvey, *CC*
Professor Oliver Linton, *T*
Professor Martin Weale, *Queen Mary, University of London*

(c) *on the nomination of the Faculty Board of Economics*

Professor Giancarlo Corsetti
Professor Lucrezia Reichlin, *London Business School*
Professor Richard Smith, *CAI*

Electors to the Herchel Smith Professorship of Molecular Genetics: Notice

The Council has appointed members of the *ad hoc* Board of Electors to the Herchel Smith Professorship of Molecular Genetics as follows:

The Vice-Chancellor, in the Chair

(a) *on the nomination of the Council*

Professor Christopher Gilligan, *K*
Professor Austin Smith

(b) *on the nomination of the General Board*

Professor Anthony Green, *Q*
Professor Gilean McVean, *University of Oxford*
Professor Ben Simons, *JN*

(c) *on the nomination of the Faculty Board of Biology*

Professor Wendy Bickmore, *University of Edinburgh*
Professor Anne Ferguson-Smith, *DAR*
Professor Alfonso Martinez Arias

Vacancies in the University

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

Professorship of English and Applied Linguistics in the Faculty of Modern and Medieval Languages; informal enquiries: Dr Henriette Hendriks, Head of the Department of Theoretical and Applied Linguistics (email: hpjmh2@cam.ac.uk or telephone: (0)1223 767383); closing date: 26 March 2013; further particulars: <http://www.admin.cam.ac.uk/offices/academic/secretary/professorships/>; quote reference: GN26342

University Lectureship in Medieval British History in the Faculty of History; salary: £37,382–£47,314; closing date: 25 March 2013; further particulars: <http://www.hist.cam.ac.uk/jobs/faculty-job-announcements/>; quote reference: JJ26252

University Lectureship in Modern Asian History in the Faculty of History; salary: £37,382–£47,314; closing date: 27 March 2013; further particulars: <http://www.hist.cam.ac.uk/jobs/faculty-job-announcements/>; quote reference: JJ26262

University Lectureship in Modern Middle Eastern History in the Faculty of History; salary: £37,382–£47,314; closing date: 22 March 2013; further particulars: <http://www.hist.cam.ac.uk/jobs/faculty-job-announcements/>; quote reference: JJ26232

Biomedical Technician in the Department of Medicine; tenure: fixed-term, until 31 March 2014 in the first instance; salary: £24,049–£27,047; closing date: 22 March 2013; further particulars: <http://www.jobs.cam.ac.uk/job/1143/>; quote reference: RC00959

The Colleges of the University of Cambridge; Associate Secretary of the Senior Tutors' Committee; for a period of up to three years, from 1 September 2013; flexible remuneration arrangements; salary: £65,435 *pro rata* (the post is 20% of full-time); closing date: 26 March 2013; further particulars: <http://www.admin.cam.ac.uk/committee/seniortutors/>

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.

EVENTS, COURSES, ETC.

Announcement of lectures, seminars, etc.

The University offers a large number of lectures, seminars, and other events, many of which are free of charge, to members of the University and others who are interested. Details can be found on Faculty and Departmental websites, and in the following resources.

The What's On website (<http://www.jobs.cam.ac.uk/>) carries details of exhibitions, music, theatre and film, courses, and workshops, and is searchable by category and date. Both an RSS feed and a subscription email service are available.

Talks.cam (<http://www.talks.cam.ac.uk/>) is a fully searchable talks listing service, and talks can be subscribed to and details downloaded.

Brief details of upcoming events are given below.

<i>Applied Mathematics and Theoretical Physics</i>	Andrew Chamblin Memorial Lecture: <i>The infinity puzzle – from the Higgs Boson to the LHC</i> , by Professor Frank Close, at 5 p.m. on 15 March 2013	http://www.cam.ac.uk/sciencefestival/events/?uid=f52f421e-f82b-4723-98a9-46563047c7b8&date=2013-03-15 (book via link on website)
<i>Centre for Research in the Arts, Social Sciences, and Humanities</i>	<i>Gender equality: a moral and foreign policy imperative</i> , by Melanne Verveer, Humanitas Visiting Professor in Women's Rights 2013; lectures on 4, 6, and 7 March 2013 and symposium on 11 March 2013	http://www.crassh.cam.ac.uk/events/2286/
	<i>The location of knowledge: a Mellon Centre for Disciplinary Innovation conference</i> , on 8 March 2013	http://www.crassh.cam.ac.uk/events/2305/
<i>Equality and Diversity</i>	International Women's Day Annual Lecture: <i>Can the word 'feminism' be reclaimed for universal good?</i> , by Jude Kelly OBE and Dr Rachel Holmes, at 5.30 p.m. on 5 March 2013	http://iwd_lecture_jude_kelly_cambridge.eventbrite.co.uk/ (book a place at this website)

NOTICES BY FACULTY BOARDS, ETC.

Examination for the degree of Master of Business Administration, Lent Term 2013

The Faculty Board of Business and Management announce the following addendum to the Notice published on 12 December 2012 (*Reporter*, 6290, 2012–13, p. 273).

4. (e) Executive M. B. A. Course

2011–2013 Class

Elective II list

EMBA38. Strategic human resources management (MBA elective) Individual assignment (50%) and group assignment (50%)

2012–2014 Class

6. (b) Course-work

EMBA8. International business study trip Group assignment (100%)

GRACES**Grace submitted to the Regent House on 27 February 2013**

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. 107), will be deemed to have been approved at 4 p.m. on Friday, 8 March 2013.

1. That the recommendations in paragraph 12 of the First-stage Report of the Council, dated 21 January 2013, on the alteration and refurbishment of the Arup Building on the New Museums Site (*Reporter*, 6294, 2012–13, p. 323) be approved.¹

¹ See the Council's Notice on p. 380.

ACTA**Approval of Graces submitted to the Regent House on 13 February 2013**

The Graces submitted to the Regent House on 13 February 2013 (*Reporter*, 6297, 2012–13, p. 363) were approved at 4 p.m. on Friday, 22 February 2013.

J. W. NICHOLLS, *Registrar*

END OF THE OFFICIAL PART OF THE 'REPORTER'

REPORT OF DISCUSSION

Tuesday, 19 February 2013

A Discussion was held in the Senate-House. Pro-Vice-Chancellor Professor John Rallison was presiding, with the Registrary's Deputy, the Senior Proctor, the Junior Proctor, and eight other persons present.

The following Report was discussed:

Report of the Council, dated 21 January 2013, on the introduction of electronic voting in ballots of the Regent House (Reporter, 6295, 2012–13, p. 339).

Dr K. B. PRETTY (Deputy Vice-Chancellor and Principal of Homerton College):

Deputy Vice-Chancellor, I speak today as the Chair of the Working Group established by the Council during the 2011–12 academic year, to consider whether a system of electronic voting might be introduced for ballots of the Regent House.

Ballots of the Regent House are at the core of the University's governance arrangements and central to its democratic processes. Ballots are the means by which the Regent House, as the governing body of the University, elects members of the Council and the Board of Scrutiny. They are also the mechanism by which the University determines major strategic decisions (most recently the North West Cambridge Project) and the Regent House exerts its right to question or vary the Council's decisions. It is vital, therefore, that members of the Regent House should be enabled to exercise their democratic rights as straightforwardly, securely, and transparently as possible. The Council is firmly of the view that an electronic voting system will encourage wider participation and engagement. It also considers that it is a natural and inevitable progression in an institution in which the vast majority of business is transacted securely by electronic means.

The Working Group expended considerable care in reviewing various options for the delivery of electronic voting. The details of these options are set out in the Report. It concluded that an in-house system based on the Basic Online Ballots system offered the necessary standards in terms of security and transparency. Further, such a system can be delivered and maintained at minimal cost. However, it will still be possible for members of the Regent House to receive and return a paper ballot paper if they wish.

The issues of trust, security, and transparency were paramount in the Working Party's deliberations. We consider that the recommendations which we put to the Council fully meet the Regent House's expectations in all of these regards. I am pleased that the Council has accepted our Report and is now putting it to the Regent House. I commend the proposals to you.

Mr M. V. LUCAS-SMITH (Department of Geography):
Deputy Vice-Chancellor, I very much welcome this Report as well as the proposal that this be an in-house system.

Cambridge University Students' Union (CUSU), for whom I undertake some web development work, has been running online voting now for around five years, with very positive results. I have been involved in running this system and the core voting component which is proposed for the Regent House voting. Any member of the Regent House is very welcome to log in to, and browse around, the existing CUSU system.

The student system is very heavily used for student elections. Some two-thirds of JCRs and MCRs now use it for their elections, as have over half of the Faculties. At the time of writing some 582 ballots have been run, typically involving hundreds of voters per ballot or, in the case of the CUSU and Graduate Union elections, tens of thousands of voters. There has not been a single observed security issue during this period, and the termly feedback that we get back from Returning Officers (ROs) is almost uniformly positive with only small suggestions for changes.

Levels of voting have also increased and graduates in particular have found it easier to vote. Thus this is a well-tested and, I would argue, well-respected system which takes full account of local expertise and knowledge. It is therefore extremely welcome that an in-house system, building on this, is proposed.

I thought it would be useful to give a little background to the system.

The code was originally written by David Eyers at the Computer Laboratory for the Graduate Union elections around seven years ago and was subsequently taken on by CUSU for its own elections. David and I have subsequently collaborated on improving the code so that it is modular and can be deployed either as part of a managed system (as per the CUSU online voting system where JCR, MCR, and other representatives can set up their own ballots directly, which uses a user interface to generate a configuration) or in a standalone system (where people can download the code and configure it manually). The code for the core voting component which is proposed for the Regent House system is open-source and so it can be scrutinized via the link given in the Report¹.

The voting workflow can be described as follows.

The Returning Officer sets up a ballot by providing a list of CRSids (i.e. people's @cam usernames) who can vote. These are stored in a database table. When someone votes, that person's username has a mark (database entry) put against it indicating that they have voted, thus preventing duplicate votes. Additionally, a voting 'token', consisting of a set of four random words (e.g. 'tour give down this') is created and this is stored along with the vote that the person has cast in a database table of votes. Additionally, their vote is emailed to the Returning Officer and blind-carbon-copied (so the RO cannot identify them) to the voter by way of a receipt.

Thus there exists a list of votes cast and a list of voters who have voted but no formal link in the database connecting these. At all times, the totals of these are the same, and the number of email receipts also matches. The database consistency is checked on every page hit alongside other sanity checks.

At the end of the ballot, the list of token/vote combinations is revealed, as is the list of usernames of those who have voted, for transparency. This readout, available openly to any authenticated user, can thus be transferred to an STV counting system or spreadsheet. There is also a module for dealing securely with the scenario of electronic voting combined with paper voting.

Anyone wanting more detail on the student system can find this in the 'election system' part of the CUSU website.²

The Regent House system proposes to use the same core voting software but with a simplified setup system. The student system includes an additional interface designed to allow JCRs, MCRs, Societies, Faculties, and others to create ballots securely without the need for myself or other administrators to be involved. This clearly is not needed for the Regent House system and the Council's technical specification outlines what is, in my view, very sensibly proposed.

Over the tens of thousands of votes cast over the last five years, I cannot recall receiving a single email questioning the integrity of the voting process. Thus, as a well-tested, locally-developed system using local knowledge, it is excellent that this should be extended to Regent House voting.

I would commend the Council's proposals to the Regent House.

¹ <http://www.cl.cam.ac.uk/~dme26/proj/BOB/>

² <https://www.cusu.cam.ac.uk/elections/system/>

Dr S. J. COWLEY (University Council, Department of Applied Mathematics and Theoretical Physics, and member of the Working Group on electronic voting): Deputy Vice-Chancellor, Cambridge is self-governing. Necessary consequences are elections for posts and the occasional ballot on Graces. Legitimacy is enhanced by participation and hence it is essential that it is straightforward to vote in elections and ballots.

In less busy times, all voting was in person in this building. To increase participation, postal voting was introduced and now almost all votes are postal. However, participation still requires access to pigeon-holes or similar, and for many that

is not always as straightforward as it used to be (with the necessary travelling and other constraints especially during the Long Vacation/Research Period).

One of the key aims of today's proposals is to entrench the democratic principles of the University. Those who wish to continue voting by post can do so by opting in. However, those who expect their mail to arrive with a 'beep' rather than a 'rustle' will have an alternative. That is what the Working Group, and now the Council, recommend.

As a footnote, maybe the Council would now also like to reconsider the type of voting system that it uses. The University was in the forefront of introducing the current version of STV (Single Transferable Vote system) but there are many variants of STV, some of which are more respectable than others. In this light, maybe the Council should revisit the 2005 Report¹ and see whether or not it would like to consider using Meek's method again, because that is what both the London Mathematical Society and the Royal Statistical Society use, and also whether or not when it comes to ballots with a yes/no answer there is a better method than STV.

¹ Report of the Council, dated 28 November 2005, on voting arrangements (*Reporter*, 6018, 2005–06, p. 190).

COLLEGE NOTICES

Elections

Emmanuel College

The following have been elected into Junior Research Fellowships for three years from 1 October 2013:

Chloe Alaghband-Zadeh, B.A., *EM*
 Berenice Guyot-Rechard, M.A., *Sciences Po, Paris*
 Javier Ortega Hernández, B.A., *UNAM*

Vacancies

Fitzwilliam College: Henslow Research Fellowship in the Sciences; salary: £17,502–£19,057; closing date: 18 March 2013; further particulars: <http://www.fitz.cam.ac.uk/vacancies>

SOCIETIES, ETC.

Friends of Cambridge University Library

A meeting of the Friends of Cambridge University Library will be held on Wednesday, 6 March, at 5.30 p.m., in the Morison Room, University Library, West Road, at which Dr Caroline Shenton will give a talk entitled *The day Parliament burned down*. Further details are available at <http://www.lib.cam.ac.uk/friends/programme.html>.

EXTERNAL NOTICES

University of Oxford

Lady Margaret Hall: Stipendiary Lectureship in Modern British History; stipend: £12,260–£13,789; tenure: three years from 1 September 2013; closing date: 18 March 2013 at 12 noon; further particulars: <http://www.lmh.ox.ac.uk/>

Notices for publication in the *Reporter* should be sent to the Editor, Cambridge University Reporter, Registry's Office, The Old Schools, Cambridge, CB2 1TN (tel. 01223 332305, email reporter.editor@admin.cam.ac.uk). Copy should be sent as early as possible in the week before publication; short notices will be accepted up to **4 p.m. on Thursday** for publication the following Wednesday. Inclusion of notices is at the discretion of the Editor.