

# Joint Mathematical Council of the United Kingdom

## Agenda for the Annual General Meeting to be held at the Royal Statistical Society at 1100 on Tuesday 8 November 2016

### 1 Introduction

- 1.1 Welcome
- 1.2 Practical Arrangements
- 1.3 Apologies for Absence

### 2 Minutes of Previous Meetings

#### 2.1 Annual General Meeting held on Tuesday 10 November 2015

[→ Page 2](#)

- 2.1.1 Approval
- 2.1.2 Matters arising not elsewhere on the agenda

#### 2.2 Special General Meeting held on Tuesday 14 June 2016

[→ Page 6](#)

- 2.2.1 Approval
- 2.2.2 Matters arising not elsewhere on the agenda

### 3 Reports

- 3.1 Reception of a report on the Council's activities during the previous calendar year
- 3.2 Approval of a revenue account for the year ending 30 September and a balance sheet showing the state of all funds under the control of the Council at the end of September last

[→ Page 8](#)

[→ Page 12](#)

### 4 Membership of the Council

- 4.1 Approval of the list of Participating Societies and Observing Societies
- 4.2 Formal announcement of the result of the election of the Honorary Secretary
- 4.3 Appointment or re-appointment of co-opted members

[→ Page 14](#)

[→ Page 14](#)

[→ Page 14](#)

### 5 Membership of the Executive Committee

- 5.1 Election of two members of the Executive Committee
- 5.2 Announcement of any co-options to the Executive Committee

[→ Page 14](#)

### 6 Any other business not elsewhere on the agenda

Matters for consideration should be submitted to the chair before the day of the meeting

### 7 Conclusion

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## 2.1 Annual General Meeting held on Tuesday 10 November 2015

[→ Agenda](#)

### Joint Mathematical Council of the United Kingdom

#### Minutes of the Annual General Meeting held at the Royal Statistical Society at 1000 on Tuesday 10 November 2015

##### Present

###### *Officers*

Chair	Tim Rowland
Honorary Secretary	Peter Thomas
Honorary Treasurer	Paul Harris

###### *Representatives of Participating Societies*

Adults Learning Mathematics	David Kaye (deputy)
Association of Mathematics Education Teachers	Ros Hyde
Association of Teachers of Mathematics	Sue Pope
British Society for Research into Learning Mathematics	–
British Society for the History of Mathematics	June Barrow-Green
Conference of Heads of Departments of Mathematical Sciences	–
Edinburgh Mathematical Society	David Pritchard
Institute of Mathematics and its Applications	Chris Chipperton
London Mathematical Society	Alice Rogers
The Mathematical Association	–
Mathematics in Education and Industry	Charlie Stripp
National Association for Numeracy and Mathematics in Colleges	Sally Barton
National Association of Mathematics Advisors	Matt Lewis
National Numeracy	Lynn Churchman
National STEM Centre	Stephen Lyon
NRICH representing the Millennium Mathematics Project	Ems Lord
Operational Research Society	–
Royal Academy of Engineering	–
Royal Statistical Society	–
United Kingdom Mathematics Trust	Bill Richardson
Wales Institute of Mathematical and Computational Sciences	Sofya Lyakhova

###### *Co-opted Members*

Chair of the BCME Committee	David Martin
UK Representative to International Commission on Mathematical Instruction	–

###### *Representatives of Observing Societies*

Advisory Committee on Mathematics Education	–
Department for Education [England]	–
Department of Education [Northern Ireland]	–
Education Scotland	–
Higher Education Academy	–
National Centre for Excellence in the Teaching of Mathematics	–
National College for Teaching and Leadership	–
Office for Standards in Education	–
The Office of Qualifications and Examinations Regulation	–
The Royal Society	David Montagu

###### *Visitors*

Advisory Committee on Mathematics Education Secretariat	–
Chair Elect	Paul Glaister
Department for Education and Skills [Wales]	–

## 1 Introduction

1.1 **Welcome** The Chair welcomed everyone to the meeting.

1.2 **Practical Arrangements** The procedure for emergency evacuation was made known to those present.

- 1.3 **Apologies for absence** Apologies for absence were received from Jeff Evans (ALM), Catherine Hobbs (HoDoMS), Janet Holloway (Ofqual), Jane Imrie (NCETM), Jane Jones (Ofsted), Hilary Povey (BSRLM), Peter Ransom (MA), Neil Sheldon (RSS) and Nick Todd (DE).

## 2 Minutes of Previous Meetings

### 2.1 Annual General Meeting held on Tuesday 11 November 2014

- 2.1.1 **Approval** Once the first occurrence of the word 'motion' had been deleted from minute 6.2.2, the minutes of the Annual General Meeting held on Tuesday 11 November 2014 were approved.

- 2.1.2 **Matters arising not elsewhere on the agenda** None.

### 2.2 Special General Meeting held on Tuesday 10 March 2015

- 2.2.1 **Approval** The minutes of the Special General Meeting held on Tuesday 10 March 2015 were approved.

- 2.2.2 **Matters arising not elsewhere on the agenda** None.

## 3 Reports

- 3.1 **Reception of a report on the Council's activities during the previous calendar year** The Honorary Secretary laid the report before the Council.

Bill Richardson asked whether minutes were kept of Executive Committee meetings and, if so, what was their circulation. The Honorary Secretary responded that minutes were kept and they were circulated to members of the Executive Committee. Bill Richardson and Lynn Churchman asked that they, or at least the heads of discussion, be circulated to the Council. The Chair invited those members who wished to see this happen to bring such a suggestion to a future Council meeting.

- 3.2 **Approval of a revenue account for the year ending 30 September and a balance sheet showing the state of all funds under the control of the Council at the end of September last** The Honorary Treasurer introduced and explained the accounts. He then invited questions on the main JMC accounts (there were none) before moving on to speak about the BCME Committee's accounts.

The Honorary Treasurer explained that the auditor could not sign off the BCME Committee's accounts without sight of the relevant bank statements. The Honorary Treasurer described the difficulties that had been experienced with HSBC in gaining control of and access to the BCME Committee's accounts since the appointment of the new Treasurer of the BCME Committee; he said that neither he nor the new treasurer had been able to obtain bank statements for the BCME Committee's accounts. He went on to say that, unusually, all transactions external to the BCME Committee's accounts (except for the crediting of 2p of interest) had been with the main JMC accounts, so had been subject to scrutiny in the audit of the JMC's main accounts.

The Chair asked the Council how it wished to move forward given that the auditor had certified the main JMC accounts but not the BCME Committee's accounts; the Council could defer approval of the accounts to a Special General Meeting or approve them despite their not being signed off. The Chair asked the Council to consider, as a procedural motion, whether it would be willing to consider a motion for the approval of the accounts. Lynn Churchman said that the Charity Commission may want to see audited accounts. Sally Barton said that there was a lower limit for auditing of Charitable Incorporated Organisations. Charlie Stripp asked whether the JMC had written confirmation of balances for the BCME Committee's accounts; the Honorary Treasurer said that was the case. The procedural motion (proposed by the Chair and seconded by Sally Barton) was put to the meeting; it was passed (with 17 votes in favour, 1 against and 3 abstentions).

The approval of the accounts, subject to the completion of the audit of the BCME Committee's accounts, was then proposed. Bill Richardson said that the effective expenditure of the JMC was £747.74 (the amount of BCME Committee expenses paid from the JMC's main accounts when the committee's accounts were inaccessible) less than that shown as it was shown as expenditure in both the main JMC accounts and the BCME Committee accounts; the Honorary Treasurer replied that the amount also appeared as income in the main JMC accounts (as the BCME Committee had subsequently repaid the amount to central JMC funds). The accounts were approved (with 15 votes in favour, 0 against and 3 abstentions).

The Honorary Treasurer then introduced the budget for 2015/16, proposing that subscriptions be set at the suggested levels as envisaged in the proposals put to the Annual General Meeting in 2014. Following discussions at the Executive Committee meeting on 9 November 2015, he proposed a budget amended from that put forward in the agenda papers. The amendments were to the table of expenditure and to the final sentence; they were displayed at the meeting and are given below.

## Expenditure

	2014-15 Expenditure	Budget for 15-16
Room Hire And Catering	3,644.88	5,000.00
Officers Expenses	995.05	1,200.00
Exec Meetings	162.44	200.00
JMC Rep Exp	277.12	300.00
Working Groups / Meetings	0.00	0.00
Insurance	348.00	400.00
Website	100.66	150.00
CIO Legal costs / Expenditure	0.00	2000.00
CfSA subs	200.00	200.00
TOTAL	5728.15	9450.00

## Final Sentence

The budget shows a surplus of either £1655.00 or £2280.00 depending on what level of subscriptions we set.

The changes were to take into account increased room hire and catering costs, the recent increase in Insurance Tax, the legal costs associated with becoming a Charitable Incorporated Organisation and general inflationary increases. Also the JMC had a small cash reserve compared with similar organisations and needed to build up its reserves, for example, to finance a new working group.

The Chair then invited questions. David Kaye asked why the Observer rate was greater than the Small Participating Society rate. Sally Barton responded that it was to encourage societies to become Participating Societies rather than Observing Societies. Lynn Churchman said that £160 was no real incentive over £164. Charlie Stripp said it was not doing the job. The Honorary Treasurer responded that it was a larger percentage rise. The Chair drew attention to the policy agreed at the previous Annual General Meeting; he suggested the Council should go ahead with the rates proposed but keep the points made in mind when reviewing subscription rates next year.

The Chair then proposed that the suggested subscription rates be approved. The suggested rates were approved (with 15 votes in favour, 1 against and 2 abstentions). The approved rates for 2015/16 are given below.

Participating Society	Large (over 1000 members or turnover greater than £100 000)	£690
	Medium (between 500 and 1000 members or turnover of between £1000 and £100 000)	£340
	Small (up to 500 members or turnover less than £1000)	£160
Observing Society		£164

## 4 Membership of the Council

- 4.1 **Approval of the list of Participating Societies and Observing Societies** The list of Participating and Observing Societies was approved.
- 4.2 **Formal announcement of the result of the election of the Chair** The Honorary Secretary announced that Paul Glaister had been elected as Chair of the JMC, to serve for three years from the close of the Annual General Meeting.
- 4.3 **Appointment or re-appointment of co-opted members** (Tim Rowland and David Martin withdrew from the meeting for this item of business.) The Honorary Secretary proposed that Chris Budd (UK Representative to the International Commission on Mathematics Instruction) and David Martin (Chair of the BCME Committee of the JMC) be re-appointed and Tim Rowland (outgoing Chair of the JMC) be appointed as co-opted members of the JMC. This proposal was approved (with 18 votes in favour, 0 votes against and 1 abstention).

## 5 Membership of the Executive Committee

- 5.1 **Election of two members of the Executive Committee** There being only two candidates for the two vacancies, the Honorary Secretary announced that Sally Barton and Sue Pope had been elected as members of the Executive Committee to serve for one year from the close of the Annual General Meeting.
- 5.2 **Announcement of any co-options to the Executive Committee** The Chair said that the Executive Committee had considered two possible co-options to itself. It had invited Ros Hyde to accept co-option, which she had accepted, and it would be approaching a second person.

[Post-Meeting Note: Hilary Povey has accepted co-option on to the Executive Committee.]

## 6 Constitution

An early draft of a proposed Constitution of the JMC as a Charitable Incorporated Organisation was considered. The Honorary Secretary introduced the draft. He began by reminding the Council that it had resolved at the previous Annual General Meeting to seek to become a CIO as it would mean that the JMC would:

- be a Registered Charity [in England and Wales] (so securing its tax treatment and putting it in a better place to raise funds),
- have limited liability (so reducing exposure to risk and making trustee recruitment easier), and
- be incorporated (so able to enter into contracts in its own name rather than those of its trustees).

The Honorary Secretary then went on to outline how the Council's decision had been taken forward over the intervening year.

- Attempts were made to use the one of the two model constitutions for CIOs provided by the Charity Commission for England and Wales, but with the former assistance for new charities no longer available from the Charity Commission it became clear that legal advice was needed.
- Attempts were then made to obtain *pro bono* legal advice but all the channels that were tried proved unsuccessful.
- The Executive Committee then authorised the expenditure of £1000 on legal advice.
- The Honorary Secretary had an initial meeting with solicitors from Hewitsons LLP where the level of likely costs became clear.
- The Executive Committee then authorised the expenditure of an additional £800 and authorised the Honorary Secretary to instruct Hewitsons LLP to act on our behalf.
- Hewitsons LLP were instructed to draft a Constitution for the JMC as a CIO (with a first draft expected by 10 October 2015) and to assist with JMC's registration as a CIO.
- The first draft of the Constitution was received on 28 October 2015.
- The third draft of the Constitution was received on 29 October 2015 and was included in the papers for this meeting circulated that day; it is the draft before the meeting.
- There was still work to be done in tidying up the draft. Some details, such as in Article 12.7.4.2, need moving to new bylaws, also some inconsistencies need resolving. (It was decided that it was not prudent to try to resolve these matters in the time available between receipt of the first draft and the distribution of papers for this meeting.)
- The document is lengthy but that is true of the Charity Commission's model and necessary to meet the Charity Commission's requirements, and not a case of solicitors enjoying themselves at our expense.

The Honorary Secretary drew attention to some parts to which the Council might wish to give particular consideration.

- The objects of the JMC need to be exclusively charitable for it to be able to register as a charity, so it needs to promote mathematics education (rather than mathematics) but this is considered to include research.
- There is provision for a Deputy Chair, this is being proposed as a political rather than an organisational role so that the Honorary Secretary can concentrate on organisational matters; the division of responsibilities could assist in recruiting suitable holders of the two roles.
- It may be opportune to give consideration to the trustees other than the officers. The solicitors have suggested that we should widen the pool from which trustees are drawn (although the tension with ensuring they are representative is recognised) and give them longer (but limited) terms so that they can more readily lead on particular areas.

The Honorary Secretary then proposed a way to take forward work on the draft. There would be a brief discussion at this meeting with a request for further comments by 11 December 2015 (although this would not restrict subsequent discussion). An attempt would then be made to reach consensus or develop clear alternatives. Proposed changes would be checked with the solicitors and a revised draft (with a draft of the bylaws) would be circulated in the New Year. If there was felt to be a realistic chance of approval of a draft (perhaps with alternative texts being offered in some places), a Special General Meeting would be called to be held immediately before the Council meeting on 23 February 2016; if the state of opinion was too unsettled then there would be further discussion within the Council meeting on 23 February 2016 and a further draft would be considered at a Special General Meeting on 14 June 2016.

The Chair then invited comments. Lynn Churchman said that the trustees and the executive could be separate groups of people (as is the case with National Numeracy). Bill Richardson questioned the use of the term 'principal office' in Article 2; the Honorary Secretary replied that the wording was taken from the Charity Commission's model constitution and was required by them. Sue Pope thanked the Honorary Secretary for his work. The Chair concluded the discussion and invited members to send comments to the Honorary Secretary by 11 December 2015.

## 7 Any other business not elsewhere on the agenda

None.

## 8 Conclusion

The Chair, reflecting on his term of office as it came to an end, said:

"It has been a great privilege and honour for me to serve as Chair of JMC for the last three years: I am very conscious of the distinguished line of my predecessors in that role. I have learned a great deal along the way, especially about the politics of school mathematics in England! I have also valued coming to know more about the Participating Societies whose activities had not previously been within my own professional orbit. I have experienced considerable satisfaction at some outcomes of our efforts during my time in office, and great frustration at others. I am aware of important and, as yet, unfinished business.

I would like to thank those whose support and expertise have made my term as Chair possible, including all members of the Executive Committees, former Executive Secretary David Martin, Gerald Goodall, who was Honorary Secretary in my first year; and especially the current Honorary Secretary, Peter Thomas.

I am delighted to pass on the baton to my distinguished and worthy successor, Paul Glaister. I wish him well, and ask you all, and the bodies that you represent, to support him in the pursuit of the collective objectives of JMC in the years ahead. Thank you."

Once the subsequent applause had subsided, the Chair closed the meeting and demitted office.

[→ Agenda](#)

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## 2.2 Special General Meeting held on Tuesday 14 June 2016

[→ Agenda](#)

### Joint Mathematical Council of the United Kingdom

### Minutes of the Special General Meeting held at the Royal Statistical Society on Tuesday 14 June 2016

#### Present

##### *Officers*

Chair	Paul Glaister
Honorary Secretary	Peter Thomas
Honorary Treasurer	Paul Harris

##### *Representatives of Participating Societies*

Adults Learning Mathematics	Graham Griffiths (deputy)
Association of Mathematics Education Teachers	Ros Hyde
Association of Teachers of Mathematics	Sue Pope
British Society for Research into Learning Mathematics	Gill Adams (deputy)
British Society for the History of Mathematics	June Barrow-Green
Conference of Heads of Departments of Mathematical Sciences	Jan van den Heuvel (deputy)
Edinburgh Mathematical Society	David Pritchard
Institute of Mathematics and its Applications	Chris Chipperton
London Mathematical Society	Peter Ransom (deputy)
The Mathematical Association	Peter Ransom
Mathematics in Education and Industry	Charlie Stripp
National Association for Numeracy and Mathematics in Colleges	Sally Barton
National Association of Mathematics Advisors	Alice Onion (deputy)
National Numeracy	–
National STEM Learning Centre	Stephen Lyon
NRICH representing the Millennium Mathematics Project	–

Operational Research Society	–
Royal Academy of Engineering	–
Royal Statistical Society	Olivia Varley-Winter (deputy)
United Kingdom Mathematics Trust	Bill Richardson
Wales Institute of Mathematical and Computational Sciences	Sofya Lyakhova

#### *Co-opted Members*

Chair of the BCME Committee	David Martin
Immediate Past Chair	–
UK Representative to International Commission on Mathematical Instruction	–

#### *Representatives of Observing Societies*

Advisory Committee on Mathematics Education	Robert Barbour
Department for Education [England]	–
Department of Education [Northern Ireland]	Julie Harris
Education Scotland	–
Higher Education Academy	Catherine Hack
National Centre for Excellence in the Teaching of Mathematics	Charlie Stripp (deputy)
National College for Teaching and Leadership	–
Office for Standards in Education	–
The Office of Qualifications and Examinations Regulation	Alison Tonkin (deputy)
The Royal Society	–

#### *Visitors*

Advisory Committee on Mathematics Education Secretariat	Niamh Mc Mahon
Department for Education and Skills [Wales]	–

#### **Apologies for absence**

Matt Bulmer (NCTL), Mike Ellicock (National Numeracy), Jeff Evans (ALM), Lorna Harvey (Education Scotland), Catherine Hobbs (HoDoMS), Janet Holloway (Ofqual), Jane Imrie (NCETM), Matt Lewis (NAMA), Ems Lord (NRICH/MMP), David Montagu (The Royal Society), Hilary Povey (BSRLM), Alice Rogers (LMS), Neil Sheldon (RSS), Charlene Timewell (ORS) and Tim Rowland (Immediate Past Chair).

#### **1 Report on the process of conversion of the JMC into a Charitable Incorporated Organisation**

The report in Annexe 1 [of the Agenda] was received.

#### **2 Constitution for the CIO for submission to the Charity Commission for England and Wales**

The Chair proposed that the draft constitution for The Joint Mathematical Council of the United Kingdom as a Charitable Incorporated Organisation set out in Annexe 2 [of the Agenda] be adopted and submitted to the Charity Commission for England and Wales. The proposal was seconded by the Honorary Treasurer, Chris Chipperton and Sue Pope. There being 18 votes in favour of the proposal, 0 votes against and 0 abstentions, the proposal was carried.

#### **3 Bye Laws for the CIO**

The Chair proposed that the draft bye laws for The Joint Mathematical Council of the United Kingdom set out in Annexe 3 [of the Agenda] be adopted and shall take effect as soon as that Charitable Incorporated Organisation comes into existence. The proposal was seconded by Chris Chipperton. There being 18 votes in favour of the proposal, 0 votes against and 0 abstentions, the proposal was carried.

#### **4 Authorisation of the transfer of £10 000.00 to the new CIO once it is established**

The Chair proposed that £10 000.00 shall be transferred from the Joint Mathematical Council of the United Kingdom to The Joint Mathematical Council of the United Kingdom as soon as that Charitable Incorporated Organisation comes into existence and is able to receive funds. The proposal was seconded by the Honorary Treasurer. There being 18 votes in favour of the proposal, 0 votes against and 0 abstentions, the proposal was carried.

[→ Agenda](#)

### 3.1 Reception of a report on the Council's activities during the previous calendar year

[→ Agenda](#)

#### Joint Mathematical Council of the United Kingdom

#### Annual Report for 2015

This report is for the calendar year 2015 (as required by article 10.2(a) of the JMC Constitution) with supplementary information for the period from 1 January to 30 September 2016.

#### Membership

Those asterisked were members of the Executive Committee.

	2015		2016
	1 Jan – 10 Nov	10 Nov – 31 Dec	1 Jan – 30 Sep
<b>Officers</b>			
Chair	Tim Rowland*	Paul Glaister*	
Honorary Secretary	Peter Thomas*		
Honorary Treasurer	Paul Harris*		
<b>Participating Societies</b>	<b>Representative</b>		
Adults Learning Mathematics (from 10 Mar 2015)	Jeff Evans (from 10 Mar)		
Association of Mathematics Education Teachers	Ros Hyde*		
Association of Teachers of Mathematics	Sue Pope*		
British Society for Research into Learning Mathematics	Hilary Povey*		
British Society for the History of Mathematics	June Barrow-Green		
Conference of Heads of Departments of Mathematical Sciences	Catherine Hobbs		
Edinburgh Mathematical Society	David Pritchard		
Institute of Mathematics and its Applications	Chris Chipperton		
London Mathematical Society	Alice Rogers		
The Mathematical Association	Peter Ransom		
Mathematics in Education and Industry	Charlie Stripp		
National Association for Numeracy and Mathematics in Colleges	Sally Barton*		
National Association of Mathematics Advisers	Alice Onion (to 13 Oct) / Matt Lewis (from 13 Oct)	Matt Lewis	
National Numeracy	Lynn Churchman	Mike Ellicock	
National STEM Centre <i>subsequently</i> STEM Learning	Stephen Lyon		
NRICH representing the Millennium Mathematics Project	Charlie Gilderdale (to 17 Sep) / Ems Lord (from 17 Sep)	Ems Lord	
Operational Research Society	Charlene Timewell		
Royal Academy of Engineering	Rhys Morgan		
Royal Statistical Society	Olivia Varley-Winter (to 6 Feb) / Neil Sheldon (from 6 Feb)	Neil Sheldon	
United Kingdom Mathematics Trust	Bill Richardson		
Wales Institute of Mathematical and Computational Sciences	Stephen Williamson (to 1 Sep) / Sofya Lyakhova (from 1 Sep)	Sofya Lyakhova	
<b>Co-opted Members</b>			
UK Representative to the International Commission on Mathematics Instruction	Chris Budd		
BCME Committee Chair	David Martin		
Immediate Past Chair	–	Tim Rowland	



	2015		2016
	1 Jan – 10 Nov	10 Nov – 31 Dec	1 Jan – 30 Sep
<b>Observing Societies</b>	<b>Representative</b>		
Advisory Committee on Mathematics Education	Robert Barbour		Robert Barbour (to 12 Jun) / Jeremy Hodgen (from 12 Jun)
Adults Learning Mathematics (until 10 Mar 2015)	Jeff Evans (until 10 Mar)	–	
Department for Education [England]	Stephen Rogers (to 5 Oct) / Clare Fowler (from 5 Oct)	Clare Fowler	
Department of Education [Northern Ireland]	Nick Todd		Julie Harris
Education Scotland	Fiona Robertson (to 9 Oct) / Lorna Harvey (from 9 Oct)	Lorna Harvey	
The Higher Education Academy	John Craig (to 30 Jun) / Roger Brooks (from 1 Jul)	Roger Brooks	Roger Brooks (to 22 Feb) / Sean Ryan (from 23 Feb to 13 Jun) / Catherine Hack (from 14 Jun)
National Centre for Excellence in the Teaching of Mathematics	Jane Imrie		
National College for Teaching and Leadership	James O'Donoghue (to 9 Oct) / Matt Bulmer (from 9 Oct)	Matt Bulmer	
Office for Standards in Education	Jane Jones		
The Office of Qualifications and Examinations Regulation	Janet Holloway		
The Royal Society.	David Montagu		
Sector Skills Council for science, engineering and manufacturing technologies in the UK (until 5 Mar 2015)	Elinor Wallace (to 5 Mar)	–	

Dylan Jones of the Department for Education and Skills [Wales] is invited to meetings and receives papers.

### Meetings

**2015** The Council met on 10 March 2015, 16 June 2015 and 10 November 2015; meetings of the Executive Committee preceded the Council Meeting. All meetings were held at the Royal Statistical Society in London.

**10 March 2015** A Special General Meeting was held immediately before the Council meeting to approve the accounts for 2013/14 which it had not been possible to present to the Annual General Meeting.

At the Council meeting Adults Learning Mathematics, previously an Observing Society, was admitted as a Participating Society. The Council considered developments relating to the new GCSEs in Mathematics in England, and progress with arrangements for bursaries for ICME13 and with the preparations for BCME9.

In the afternoon session Carol Copstick (Senior Education Officer) from Education Scotland gave a presentation on the Scottish Survey of Literacy and Numeracy, a joint survey by the Scottish Qualifications Authority and Education Scotland. Surveys of children in Primary 4, Primary 7 and Secondary 2 were conducted in 2011 and 2013, they were asked mathematical questions and questions about their experience of learning mathematics; questions were also asked of teachers of mathematics and other subjects. Carol Copstick also spoke about the professional development resources that Education Scotland had developed to support teachers.

**16 June 2015** The Council endorsed the A Level Mathematics Advisory Board as an independent body in good standing with the JMC and enjoying its support. The Council gave further consideration to developments relating to the new GCSEs in Mathematics in England, and progress with arrangements for bursaries for ICME13 and with the preparations for BCME9. The Council also discussed the emerging findings from ACME's Initial Teacher Education project.

In the afternoon there was a presentation and discussion on the work of the National STEM Centre by Gill Collinson, Head of the National STEM Centre, and Stephen Lyon, its mathematics specialist. The presentation covered the centre's key priorities, how it supported teaching and learning. The discussion focussed on the relationship between STEM as a whole and mathematics.

**10 November 2015** At the Annual General Meeting, initial consideration was given to a draft of a constitution for the JMC as a Charitable Incorporated Organisation. At the end of the meeting, Tim Rowland concluded his term of office as Chair with a reflection on his time as Chair before welcoming the incoming Chair, Paul Glaister.

At the Council meeting which followed concern was expressed about the changes to GCSE Mathematics in England and the need to monitor the implementation of those changes; it was decided to establish a GCSE Working Group to undertake that work. In the afternoon there was a discussion on A Mathematics Teacher's Professional Learning Journey led by Robert Barbour on behalf of ACME, the discussion provided input into a project ACME is undertaking on the topic.

**2016** The Council met on 23 February 2016 and 14 June 2016; meetings of the Executive Committee preceded the Council Meeting. All meetings were held at the Royal Statistical Society in London.

**23 February 2016** At the Council meeting there was consideration of a revised draft of a constitution for the JMC as a Charitable Incorporated Organisation. So that members might be better informed of the work of the Executive Committee, the Council agreed that summary agenda and minutes for meetings of the Executive Committee would be circulated with the agenda and minutes of Council meetings; it was also agreed that this practice would be reviewed after one year. In order that the Council did not inadvertently fail to fulfil safeguarding requirements it was agreed that the JMC would not work directly with children or vulnerable adults unless the Council has specifically authorised that work and all checks required by law had been carried out. In the afternoon there was a discussion on developments regarding GCSE Mathematics in England led by Sue Pope, Debbie Barker and Lynn Churchman.

**14 June 2016** A Special General Meeting was held immediately before the Council meeting to approve a draft constitution and other provisions for the Charitable Incorporated Organisation that the JMC is seeking to become and for which application was subsequently made to Charity Commission for England and Wales in August 2016.

The Council's discussions included initial teacher education (and the inadequacy of data on the teaching workforce) in England, recent changes to the curriculum in Scotland and the JMC's relationship with the National Maths Hubs Forum. Peter Thomas was elected unopposed to serve for a further term as Honorary Secretary from after the AGM in 2016 to that in 2019. In the afternoon there was a discussion on Pedagogy for Secondary Mathematics Teaching led by Ros Hyde.

### **BCME Committee**

The ninth British Congress of Mathematics Education (BCME9) is an integrated programme of practitioner and research sessions celebrating mathematics education planned to be held on Tuesday 3rd to Friday 6th April 2018 at the University of Warwick for 500 delegates. The BCME committee of the JMC organise this event with a Memorandum of Understanding between the JMC, ATM and the MA. The BCME Committee is chaired by David Martin with Peter Ransom as Secretary and Paul Metcalf as Treasurer and has met Tuesday 17 March 2015, Thursday 24 September 2015, Wednesday 9 March 2016 and Tuesday 27 September 2016. This committee is supported in its work by a Communications Committee chaired by Natthapoj Vincent Trakulphadetkrai, a Programme Committee chaired by Sue Pope, and a Venue Committee chaired by Karen Gladwin. The JMC is very grateful for the work of these committees and for the JMC Reference Group members who will act as a key point of contact with JMC Participating Societies for BCME9 planning. Initial work towards BCME9 has focussed on selection of venue, development of an outline programme, invitations to plenary speakers, and the creation of a new BCME website. We have welcomed the particular support from the British Society for Research into Learning Mathematics (BSRLM) to further integrate practitioner and research components of the programme. Plenary speakers so far arranged include: Professor Sir David Spiegelhalter FRS (Opening Plenary), Professor Paul Ernest (Closing Plenary), Professor Ruth Merttens, Dr Vicky Neale, Dr Hannah Fry (After Dinner Speaker) and Tom Roper (The MA Presidential Address). Sponsorship is being sought.

David Martin (Chair, BCME Committee)

### **ICME Bursaries Committee**

The membership of the Committee comprised:

Chris Budd, Chair, London Mathematical Society (LMS)

Hilary Povey, Joint Mathematical Council, (JMC)

Tony Cotton, Association of Teachers of Mathematics, (ATM)

Janet Ainley, British Society for Research in Mathematics Education (BSRLM)

Nigel Steele, Institute of Mathematics and its Applications (IMA)

Peter Ransom, Mathematical Association (MA)

The criteria for the award were as previously agreed by JMC:

1. That the candidate will benefit academically and professionally from attending ICME-13 and needs bursary funds to attend ICME
2. That the candidate will contribute to UK presence at ICME-13 by attending and presenting
3. That the candidate will feed back into policy, practice or research in mathematics education in the UK

Bursaries of up to £600 were offered competitively for outstanding mathematics educators, attending and presenting at ICME-13. Applications were encouraged from the full range of those working in all areas of mathematics and mathematics education in the UK, including teachers, researchers and postgraduate students who were able to demonstrate a benefit from attending. Application was made by completing a form and supplying a supporting statement from a referee.

The LMS and the IMA generously provided £4800. There were 12 applicants. The Committee decided to award £400 to each applicant. These were Irene Biza, Jeff Evans, Rosie Everley, Jennie Golding, Racheal Horsman, Barbara Jaworski, Keith Jones, David Kaye, Mary Stevenson, Vivien Townsend, Michael Umameh and Lotta Viika.

The start of the work of the Committee was somewhat delayed which meant that requests to provide financial support were made too late for some potential funders. I suggest that the Committee for ICME-14 might usefully be formed early in 2018.

Hilary Povey (JMC representative, ICME-13 Bursaries Committee)

### **GCSE Working Group**

At its February 2016 meeting JMC agreed to establish a working group looking at the new GCSE amid concerns about the impact of the changes on schools, teachers, learners and end users. The group distributed an initial position statement through JMC participating organisations that provoked responses from teachers and others about what was happening on the ground. The working group met to take stock, conduct a risk analysis and identify possibly actions. This was shared with the JMC executive who gave the go ahead to write to Ofqual and DfE. Letters were sent in June. In September we had a fruitful meeting with Ofqual who recognised the special case of mathematics and that some subject specific messaging might be necessary. Ofqual intends to ensure compatibility with the accredited materials and comparability across the awarding organisations. A contact in DfE communications team was suggested and information has been sent, following a conversation. The meeting with DfE scheduled for September was cancelled due to illness and we have been promised an alternative in the near future.

Sue Pope (Convenor, GCSE Working Group)

### **ACME**

The JMC has continued to work with the Advisory Committee on Mathematics Education, to mutual benefit. At each meeting of the Council, it considers an update from ACME on its work and issues of concern. The Executive Committee was joined for part of its June meeting each year by representatives of ACME to discuss ACME's Annual Report. In addition, JMC is represented formally by its Chair, or his deputy, at the termly ACME meetings when the DfE is present. JMC has also carried out its usual functions in respect of appointment of new members to ACME and review of publications.

The Royal Society is reviewing the governance arrangements for ACME in discussion with JMC and the Council for the Mathematical Sciences.

### **Representation**

**Council for Subject Associations** The JMC is represented by Alison Clark-Wilson.

**National Maths Hubs Forum** The JMC is represented by Tony Cotton

**Numeracy Forum** The JMC is represented by Sally Barton.

**Ofqual A Level Mathematics Working Group** The JMC was represented by Sue Pope and Peter Thomas on this group which met from 16 April 2015 to 6 July 2015.

**OCR Mathematics Consultative Forum** The JMC is represented by David Martin.

### **Websites**

The JMC's electronic document archives are hosted by the Open University; the JMC is very grateful to the OU and its staff for this support. The website and email server for the JMC ([www.jmc.org.uk](http://www.jmc.org.uk)) and those for BCME ([www.bcme.org.uk](http://www.bcme.org.uk)) are hosted commercially by 1&1.

[→ Agenda](#)

### 3.2 Approval of a revenue account for the year ending 30 September and a balance sheet showing the state of all funds under the control of the Council at the end of September last

[→ Agenda](#)

#### JMC Accounts 1/10/15 to 30/9/16

##### JMC Accounts

Income	2014-15	2015-16		Expenditure	2014-15	2015-16
Subscriptions	8,098.67	<b>9,716.00</b>		Officer Expenses	1,095.71	<b>2,757.83</b>
Late Subscriptions	150.00	<b>0.00</b>		Meetings	3,644.88	<b>3,864.80</b>
Interest	7.11	<b>9.05</b>		Exec Meetings	162.44	<b>64.00</b>
ICME	0.00	<b>4,800.00</b>		JMC Rep Expenses	277.12	<b>533.85</b>
Miscellaneous	748.74	<b>415.70</b>		Working Groups	0.00	<b>256.30</b>
				Insurance	348.00	<b>358.50</b>
				Website	0.00	<b>117.43</b>
				CfSA Subscription	200.00	<b>200.00</b>
				ICME	0.00	<b>4,400.00</b>
				Legal Expenses	0.00	<b>1,320.00</b>
				Miscellaneous	748.74	<b>415.70</b>
<b>TOTAL</b>	<b>9,004.52</b>	<b>14,940.75</b>		<b>TOTAL</b>	<b>6,476.89</b>	<b>14,288.41</b>

**Total Surplus: (Income – Expenditure)    £652.32    (£2527.63 in 2014-2015)**

**Total Assets (30/9/2016)**

	2015-16	2014-15
Current Account	<b>1060.02</b>	1,716.73
Savings Account	<b>14,058.58</b>	12,749.53
<b>TOTAL</b>	<b>15,118.60</b>	14,466.26

##### BCME Accounts (Supplied by the BCME Treasurer)

	Income	Expenditure	Balance
Opening Balance			23,948.38
Meeting expenses		2,679.17	21,269.21
Transfer to Savings Account		18,000.00	3,269.21
Closing Balance			3,269.21

##### BCME Savings Account

	Income	Expenditure	Balance
Opening Balance			272.55
Interest	10.10		282.65
Transfer from Current Account	18,000.00		18,282.65
Closing Balance			18,282.65

##### Treasurer's Report

In the financial year 1<sup>st</sup> October 2015 to 30<sup>th</sup> September 2016 the JMC had a surplus of £652.53 compared to a surplus of £2,527.63 for the previous year. However, the surplus includes £400 for an ICME bursary that was never claimed. The two main increases in expenditure are officers' expenses and JMC representatives' expenses. These increases reflect the increase in the work undertaken by the JMC officers, and the Chair in particular and others who represent the JMC at external meetings. If the JMC is to maintain its profile, then this expenditure cannot be avoided.

There was a small increase the costs of the JMC meetings.

Expenditure on the website is now listed as a separate item, as suggested by the auditor last year.

The ICME income and expenditure should be the same. However, the cheque for one ICME bursary was never presented for payment and we have been unable to establish why.

In 2015-16 there were also some substantial legal costs associated with becoming a charity but these should not be repeated in future years.

There was one working group in 2015-16, and a small amount of expenditure associated with this group meeting.

There was a small increase in the cost of the indemnity insurance, and the CfSA subscription remained the same as expected.

The Miscellaneous income and expenditure is where the JMC paid the travelling expenses for one of the meetings of the BCME committee before the problems with HSBC had been fully sorted out.

The financial report from the BCME Treasurer is in the BCME report for this meeting.

### Budget 2016-17

Income	Number	Current	Proposed	Expenditure	Actual 15-16	Budget 16-17
Large	10	690.00	700.00	Meetings	3,864.80	5,000.00
Medium	5	340.00	350.00	Officers Expenses	2,757.83	3,000.00
Small	5	160.00	165.00	Exec Meetings	64.00	0.00
Observer	11	164.00	175.00	JMC Rep Exp	533.85	550.00
Interest		9.00	9.00	Working Groups	256.30	250.00
				Insurance	358.50	400.00
				Legal Exp	1,320.00	480.00
				Website	117.43	130.00
				CfSA subs	200.00	200.00
				ICME	4,400.00	0.00
				Misc	415.70	0.00
Total		11,213.00	11,509.00	Total	14,288.41	10,010.00

The budget shows modest increase in the JMC subscription rates for 2016-17. These may have to be reviewed again next year.

This budget shows a modest surplus of £1,499.00. There are small increases in the Officers Expenses, JMC Representatives Expenses, insurance costs and website expenditure to cover the increases in travel costs etc. The budget for Working Groups is kept the same as in 2015-16. The budget includes a large increase in the costs of the meetings to allow for any price increase from our supplier. There are no plans to hold a separate meeting of the Executive in the coming year and so there is no need for a budget to cover this. The ICME meeting is a periodic event that does not occur every year and so there is no budget needed for 2016-17.

Dr Paul Harris,  
Honorary Treasurer.

[→ Agenda](#)

## 4.1 Approval of the list of Participating Societies and Observing Societies

[→ Agenda](#)

### Participating Societies

Adults Learning Mathematics  
Association of Mathematics Education Teachers  
Association of Teachers of Mathematics  
British Society for Research into Learning Mathematics  
British Society for the History of Mathematics  
Conference of Heads of Departments of Mathematical Sciences  
Edinburgh Mathematical Society  
Institute of Mathematics and its Applications  
London Mathematical Society  
The Mathematical Association  
Mathematics in Education and Industry  
National Association for Numeracy and Mathematics in Colleges  
National Association of Mathematics Advisers  
National Numeracy  
NRICH representing the Millennium Mathematics Project  
Operational Research Society  
Royal Academy of Engineering  
Royal Statistical Society  
STEM Learning  
United Kingdom Mathematics Trust  
Wales Institute of Mathematical and Computational Sciences

### Observing Societies

Advisory Committee on Mathematics Education  
Department for Education [England]  
Department of Education [Northern Ireland]  
Education Scotland  
The Higher Education Academy  
National Centre for Excellence in the Teaching of Mathematics  
National College for Teaching and Leadership  
Office for Standards in Education  
The Office of Qualifications and Examinations Regulation  
The Royal Society

[→ Agenda](#)

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## 4.2 Formal announcement of the result of the election of the Honorary Secretary

[→ Agenda](#)

By the close of nominations, only one nomination had been received, that of Peter Thomas.

[→ Agenda](#)

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## 4.3 Appointment or re-appointment of co-opted members

[→ Agenda](#)

It is proposed that Chris Budd and David Martin are re-appointed as co-opted members of the JMC. (Chris Budd is the UK Representative to the International Commission on Mathematics Instruction and David Martin is the Chair of the BCME Committee of the JMC.)

[→ Agenda](#)

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## 5.1 Election of two members of the Executive Committee

[→ Agenda](#)

By the close of nominations, only two nominations had been received, those of Sally Barton and Sue Pope.

[→ Agenda](#)

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