



## COUNCIL MINUTES

San Diego, California

January 9, 2018

The Council of the American Mathematical Society met at 1:30 p.m. (PST) on Tuesday, January 9, 2018, at the Marriott Marquis San Diego Marina, San Diego, CA 92101.

These are the minutes of the meeting. Although several items were discussed in Executive Session, all actions taken are reported in these minutes. The Executive Session began at 4:52 p.m. and ended at approximately 6:00 p.m.

*Prepared March 20, 2018*



## **Conflict of Interest Policy for Officers and Committee Members**

*(as approved by the January 2007 Council)*

A conflict of interest may exist when the personal interest (financial or other) or concerns of any committee member, or the member's immediate family, or any group or organization to which the member has an allegiance or duty, may be seen as competing or conflicting with the interests or concerns of the AMS.

When any such potential conflict of interest is relevant to a matter requiring participation by the member in any action by the AMS or the committee to which the member belongs, the interested party shall call it to the attention of the chair of the committee and such person shall not vote on the matter. Moreover, the person having a conflict shall retire from the room in which the committee is meeting (or from email or conference call) and shall not participate in the deliberation or decision regarding the matter under consideration.

The foregoing requirements shall not be construed as preventing the member from briefly stating his/her position in the matter, nor from answering pertinent questions of other members.

When there is a doubt as to whether a conflict of interest exists, and/or whether a member should refrain from voting, the matter shall be resolved by a vote of the committee, excluding the person concerning whose situation the doubt has arisen.

Minutes of the meeting of the committee shall reflect when the conflict of interest was disclosed and when the interested person did not vote.



## AMS Policy on a Welcoming Environment

*(as approved by the January 2015 Council)*

The AMS strives to ensure that participants in its activities enjoy a welcoming environment. In all its activities, the AMS seeks to foster an atmosphere that encourages the free expression and exchange of ideas. The AMS supports equality of opportunity and treatment for all participants, regardless of gender, gender identity or expression, race, color, national or ethnic origin, religion or religious belief, age, marital status, sexual orientation, disabilities, or veteran status.

Harassment is a form of misconduct that undermines the integrity of AMS activities and mission.

The AMS will make every effort to maintain an environment that is free of harassment, even though it does not control the behavior of third parties. A commitment to a welcoming environment is expected of all attendees at AMS activities, including mathematicians, students, guests, staff, contractors and exhibitors, and participants in scientific sessions and social events. To this end, the AMS will include a statement concerning its expectations towards maintaining a welcoming environment in registration materials for all its meetings, and has put in place a mechanism for reporting violations. Violations may be reported confidentially and anonymously to 855-282-5703 or at <http://www.mathsociety.ethicspoint.com>. The reporting mechanism ensures the respect of privacy while alerting the AMS to the situation. For AMS policy statements concerning discrimination and harassment, see:

[www.ams.org/about-us/governance/policy-statements/anti-harassment-policy](http://www.ams.org/about-us/governance/policy-statements/anti-harassment-policy).



## Contents

<b>1</b>	<b>Call to Order</b>	<b>1</b>
1.1	Opening of the Meeting and Introductions . . . . .	1
1.2	Conflict of Interest Policy . . . . .	1
1.3	2017 AMS Elections . . . . .	1
1.4	List of Council Members . . . . .	2
1.5	Retiring Members . . . . .	2
<b>2</b>	<b>Minutes</b>	<b>2</b>
2.1	Minutes of the April 2017 Council . . . . .	2
2.2	Minutes of the May 2017 Executive Committee and Board of Trustees (ECBT) Meetings . . . . .	2
<b>3</b>	<b>Consent Agenda</b>	<b>3</b>
3.1	Employment Services Advisory Board . . . . .	3
<b>4</b>	<b>Reports of Boards and Standing Committees</b>	<b>3</b>
4.1	Tellers' Report on the 2017 Elections [Executive Session] . . . . .	3
4.1.1	Tellers' Report on Proposed Changes to the AMS Bylaws . . . . .	3
4.1.2	Tellers' Report on the Election of Officers . . . . .	4
4.1.3	Tellers' Report on the Election to the Nominating Committee . . . . .	4
4.1.4	Tellers' Report on the Election to the Editorial boards Committee . . . . .	4
4.2	Executive Committee and Board of Trustees . . . . .	4
4.2.1	Appointments of AMS Officers [Executive Session] . . . . .	4
4.2.1.1	Associate Secretary of the Southeastern Section . . . . .	5
4.2.1.2	Associate Secretary of the Eastern Section . . . . .	5
4.2.1.3	Secretary . . . . .	5
4.2.1.4	Treasurer . . . . .	5
4.2.2	Dues Level for the 2019 Membership Year . . . . .	5
4.2.3	Check-Off Designations for Future Dues Renewals . . . . .	6
4.3	<i>Bulletin</i> Editorial Committee [Executive Session] . . . . .	6
4.3.1	<i>Bulletin</i> Editorial Committee Appointments . . . . .	6
4.3.2	<i>Bulletin</i> Associate Editors for Articles . . . . .	6
4.3.3	<i>Bulletin</i> Associate Editors for Book Reviews . . . . .	7
4.4	Committee on Meetings and Conferences . . . . .	7
4.5	Committee on Science Policy . . . . .	7
4.5.1	Statement on Gerrymandering . . . . .	7
4.6	Committee on Education . . . . .	8
4.7	Committee on the Profession . . . . .	9
4.7.1	Committee on Human Rights of Mathematicians . . . . .	9
4.7.2	Charges to the Bôcher, Cole, and Veblen Prize Committees . . . . .	10
4.7.3	AMS Mary P. Dolciani Prize . . . . .	11
4.7.4	Data Collection . . . . .	12
4.7.5	Charge to the Nominating Committee . . . . .	12
4.7.6	Charge for the AMS-ASA-MAA-SIAM Data Committee . . . . .	13

4.7.7	Charge to the Selection Committee for the Distinguished Public Service Award	13
4.7.8	Statement on Peer-Reviewed Research [Executive Session]	14
4.8	Committee on Publications	15
4.8.1	Web Editorial Group	15
4.8.2	CPub Review Cycle	15
4.8.3	Editorial Committee Charges	16
4.9	Mathematical Reviews Editorial Committee	17
4.10	Report of the Chief Editor of the Notices	17
4.11	Report from the Fellows Selection Committee	17
4.12	Report from the Mathematics Research Communities Advisory Board	18
4.13	Report from the Committee on Women in Mathematics (CoWiM)	18
4.14	Report from the Library Committee	18
4.15	Report from the Fan Fund Committee	18
4.16	Report from the Arnold Ross Lecture Series Committee	19
4.17	Report from the Short Course Subcommittee	19
4.18	Report from the AMS Liaison Committee with AAAS	19
4.19	Report from the AMS-MAA-SIAM Committee on Employment Opportunities	19
4.20	Report from the AMS-ASA-MAA-SIAM Data Committee	19
4.21	Report from the AMS-MAA Committee on Teaching Assistants and Part-Time Instructors	19
4.22	Report from the AMS Representative to the Canadian Mathematical Society	19
4.23	Report from the AMS Representatives to the Mathematical Council of the Americas	20
<b>5</b>	<b>Old Business</b>	<b>20</b>
<b>6</b>	<b>New Business</b>	<b>20</b>
6.1	Guidelines for the Fellows Selection Committee on the Number of New Fellows	20
6.2	Chief Editor of the <i>Notices</i> [Executive Session]	20
6.3	Request for Council Consideration of a Possible Conflict of Interest [Executive Session]	21
6.4	Update on Strategic Planning for Publishing [Executive Session]	21
6.5	Report from the Executive Director	21
<b>7</b>	<b>Announcements, Information and Record</b>	<b>22</b>
7.1	Budget	22
7.2	Next Council Meeting	22
7.3	Future Scientific and Governance Meetings	22
<b>8</b>	<b>Adjournment</b>	<b>22</b>



## Attachments

<b>A 2017 AMS Governance</b>	<b>25</b>
<b>B 2018 AMS Governance</b>	<b>27</b>
<b>C Charge to the Employment Services Advisory Board</b>	<b>29</b>
<b>D Tellers' Report</b>	<b>31</b>
<b>E Determining the 2018 Individual Member Dues</b>	<b>49</b>
<b>F Report of the AMS Committee on Meetings and Conferences</b>	<b>53</b>
<b>G Report of the AMS Committee on Science Policy</b>	<b>57</b>
<b>H Proposed Statement on Gerrymandering</b>	<b>63</b>
<b>I Speaking in the Name of the Society</b>	<b>67</b>
<b>J Report of the AMS Committee on Education</b>	<b>69</b>
<b>K Report of the AMS Committee on the Profession</b>	<b>73</b>
<b>L Current Charge to the Human Rights of Mathematicians Committee</b>	<b>77</b>
<b>M Proposed Charge to the Human Rights of Mathematicians Committee</b>	<b>79</b>
<b>N Current Charges to the Bôcher, Cole and Veblen Prize Committees</b>	<b>81</b>
Current Charge to the Bôcher Committee . . . . .	81
Current Charge to the Cole Committee . . . . .	82
Current Charge to the Veblen Committee . . . . .	84
<b>Q Proposed Charges to the Bôcher, Cole and Veblen Prize Committees</b>	<b>87</b>
Proposed Charge to the Bôcher Committee . . . . .	87
Proposed Charge to the Cole Committee . . . . .	88
Proposed Charge to the Veblen Committee . . . . .	89
<b>T Proposed Charge to Dolciani Prize Committee</b>	<b>91</b>
<b>U Charge to the Nominating Committee</b>	<b>93</b>
<b>V Proposed Charge to the Joint Data Committee</b>	<b>95</b>
<b>W Report of the Committee on Publications</b>	<b>99</b>
<b>X Editorial Committee Charges</b>	<b>103</b>
Charge to the Editorial Boards Committee . . . . .	103
Charge to the <i>Journal of the AMS</i> Editorial Committee . . . . .	105
Charge to the <i>Proceedings of the AMS</i> Editorial Committee . . . . .	106

Charge to the <i>Transaction and Memoirs</i> Editorial Committee . . . . .	107
Charge to the <i>Colloquium Publications</i> Editorial Committee . . . . .	108
Charge to the <i>Mathematical Surveys and Monographs</i> Editorial Committee . . . . .	109
Charge to the <i>Mathematical Reviews</i> Editorial Committee . . . . .	110
<b>AE Report of the Mathematical Reviews Editorial Committee</b>	<b>111</b>
<b>AF Report from the Fellows Selection Committee</b>	<b>113</b>
<b>AG Report from the Mathematics Research Communities (MRC) Advisory Board</b>	<b>115</b>
<b>AH Report from the Committee on Women in Mathematics (CoWiM)</b>	<b>119</b>
<b>AI Report from the AMS Library Committee</b>	<b>123</b>
<b>AJ Report from the Fan Fund Committee</b>	<b>125</b>
<b>AK Report from the Arnold Ross Lecture Series Committee</b>	<b>127</b>
<b>AL Report from the Short Course Subcommittee</b>	<b>129</b>
<b>AM Report from the AMS-AAAS Liaison Committee</b>	<b>131</b>
<b>AN Report from the AMS-MAA-SIAM Committee on Employment Opportunities</b>	<b>133</b>
<b>AO Report from the AMS-ASA-MAA-SIAM Data Committee</b>	<b>135</b>
<b>AP Report from the AMS-MAA Committee on Teaching Assistants and Part-Time Instructors</b>	<b>139</b>
<b>AQ Report from the AMS Representative to the Canadian Mathematical Society</b>	<b>141</b>
<b>AR Report from the AMS Representatives to the Mathematical Council of the Americas</b>	<b>143</b>
<b>AS Fellows Document</b>	<b>145</b>
<b>AT Data on Number of Fellows</b>	<b>151</b>
<b>AU Future Scientific and Governance Meetings</b>	<b>153</b>

# 1 Call to Order

The meeting was called to order at 1:30 pm (PST). President Ken Ribet presided and called on members and guests to introduce themselves. Additional members present:

Alejandro Adem, Georgia Benkart, Brian Boe, Robert Bryant, Susanne Brenner, Henry Cohn, Jesús De Loera, Erica Flapan, Sergey Fomin, Susan Friedlander, Pamela Gorkin, Jane Hawkins, David Jerison, Michel Lapidus, Greg Lawler, Anna Mazzucato, Irina Mitrea, Ken Ono, Kenneth Ribet, Carla Savage, Richard Schoen, Jennifer Taback, Ravi Vakil, Anthony Várilly-Alvarado, Talitha Washington, and Steven Weintraub.

Members not in attendance were Matthew Baker, Alicia Dickenstein, Edward Frenkel, Andreas Frommer, Carlos Kenig, Wen-Ching Winnie Li, Zbigniew Nitecki, Mary Pugh, Alan Reid, Peter Sarnack, and Michael Singer.

Among the guests present were Thomas Barr (AMS Special Projects Officer), Erika Camacho (Member at Large Elect), Jeanette DiScala (Program Manager, Office of the Secretary), Edward Dunne (AMS Executive Editor for Mathematical Reviews), Sergei Gelfand (AMS Publisher), Robert Harrington (AMS Associate Executive Director for Publishing), Ilya Kapovich (Committee on Publications Chair), Darla Kremer (Program Director, Office of the AMS Secretary), Robert Lazarsfeld (Board of Trustees Member), Robin Marek (Director of Development), Frank Morgan (Notices Chief Editor), Douglas Mupasiri (Committee on Education Chair), Monica Nevins (Committee on Meetings and Conferences Chair), Catherine Roberts (AMS Executive Director), Fadil Santosa (Committee on the Profession), Jill Pipher (President Elect), Karen Saxe (AMS Associate Executive Director, Office of Governmental Relations), T. Christine Stevens (AMS Associate Executive Director for Meetings and Professional Services), Megan Turcotte (Director of Membership), and Anthony Várilly-Alvarado (Member at Large Elect).

## 1.1 Opening of the Meeting and Introductions

## 1.2 Conflict of Interest Policy

The *Conflict of Interest Policy for Officers and Committee Members* was included as front matter in this agenda. Council members were asked to alert the President and the Secretary to any agenda items with which they may have a conflict of interest.

## 1.3 2017 AMS Elections

The Society conducted its annual elections in the fall of 2017. Except for the new members of the Nominating Committee, those elected took office on February 1, 2018. The newly elected members of the Council, the Editorial Boards Committee, the Nominating Committee, and the Board of Trustees are listed under Item 4.1. The Secretary noted that bylaws items passed making all four Associate Secretaries ex officio voting members of Council, beginning February 1, 2018.

## 1.4 List of Council Members

A list of 2017 Council members can be found in Attachment A and a list of 2018 Council members can be found in Attachment B. Newly elected Council members present were granted privileges of the floor (but without voting privileges) at this Council meeting. Georgia Benkart was the voting Associate Secretary.

## 1.5 Retiring Members

The terms of Robert Bryant as Immediate Past President; Carlos Kenig as Vice President; Matthew Baker, Edward Frenkel, Pamela Gorkin, Wen-Ching Winnie Li, and Mary Pugh as Council Members at Large; Michael Singer as Chair of the *Mathematical Surveys and Monographs* Editorial Committee; and Ken Ono<sup>1</sup> as Managing Editor of the *Proceedings of the AMS* ended on January 31, 2018. Jennifer Taback's term as a member of the Executive Committee ended on February 28, 2018. This was their final Council meeting in their current positions.

**The Secretary received unanimous consent to send thanks to each of them for sharing their wisdom with the Society and the Council and for their service to the mathematical community.**

## 2 Minutes

### 2.1 Minutes of the April 2017 Council

The minutes of the April 2017 Council were posted and distributed by email prior to the meeting. They are available here: [www.ams.org/about-us/governance/council/council-minutes0417.pdf](http://www.ams.org/about-us/governance/council/council-minutes0417.pdf).

**The April 2017 Minutes were approved with the following corrections:**

1. Correct the spelling of Benkart in Item 2.1.
2. In Item 6.1, record that **The Council voted *unanimously* to place the proposed amendments on the ballot for the 2017 election.**
3. Correct the spelling of Wigderson in Item 7.2.1.

### 2.2 Minutes of the May 2017 Executive Committee and Board of Trustees (ECBT) Meetings

The ECBT met in May in Ann Arbor, Michigan and again in November in Providence, Rhode Island. The minutes of the May 2017 meeting are considered part of the minutes of the Council. They are also available at: [www.ams.org/about-us/governance/ecbt-meetings/sec-ecbt-minutes](http://www.ams.org/about-us/governance/ecbt-meetings/sec-ecbt-minutes).

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<sup>1</sup>Ono will remain on the Council as Vice President

The November 2017 ECBT Minutes will be available before the April 2018 Council Meeting.

## 3 Consent Agenda

### 3.1 Employment Services Advisory Board

Acting upon a recommendation from CoProf, the Council created the Employment Services Advisory Board (ESAB) in January 2009. It is charged with providing advice and guidance to the AMS staff in the area of employment services. The full charge to the committee is included as Attachment C. Initially, the Board was to exercise policy oversight in the area of AMS's employment services (EIMS ads, Mathjobs.org, job ads in the *Notices*, and the Employment Center at JMM), but the need for this sort of oversight has declined since 2009, and the ESAB has been inactive for several years. Although, there is a significant need for input into AMS activities regarding jobs and careers, the Joint Committee on Employment Opportunity is developing a revised charge to meet this need.

CoProf recommended that the Employment Services Advisory Board be discharged with thanks.

**This action was approved by consent.**

## 4 Reports of Boards and Standing Committees

### 4.1 Tellers' Report on the 2017 Elections [Executive Session]

The Society conducted its annual elections in the fall of 2017. There were 3,606 ballots cast; 3,429 of these were electronic ballots and 177 were paper ballots. The Tellers' Report is included as Attachment D.

#### 4.1.1 Tellers' Report on Proposed Changes to the AMS Bylaws

According to the Society's Bylaws, amendments are recommended by the AMS Council and approved by the members. To gain approval an amendment must have an affirmative vote of two-thirds of those voting in an election in which at least 10% of eligible voters participate. There were two amendments on the fall 2017 ballot.

**The proposed amendment to the AMS Bylaws making all four Associate Secretaries *ex officio* voting members of the AMS Council was adopted. This became effective February 1, 2018.**

**The proposed amendment to change three instances of the word "chairman" in the AMS Bylaws to the word "chair" was also adopted.**

#### **4.1.2 Tellers' Report on the Election of Officers**

Those elected will take office on February 1, 2018. The term of the President Elect is one year, followed by two years as President and one year as Immediate Past President. Terms of the newly elected Vice President and the Members at Large of the Council are three years, and the term of the Trustee is five years. The newly elected officers are:

President Elect	<b>Jill C. Pipher</b> , Brown University
Vice President	<b>Ken Ono</b> , Emory University
Members at Large	<b>Erika T. Camacho</b> , Arizona State University <b>Victor Reiner</b> , University of Minnesota <b>Brooke Shipley</b> , University of Illinois at Chicago <b>Gigliola Staffilani</b> , Massachusetts Institute of Technology <b>Anthony Várilly-Alvarado</b> , Rice University
Trustee	<b>Judy L. Walker</b> , University of Nebraska at Lincoln

#### **4.1.3 Tellers' Report on the Election to the Nominating Committee**

The following people were elected to the AMS Nominating Committee. Their terms of office are January 1, 2018 – December 31, 2020.

Nominating Committee	<b>Tara S. Holm</b> , Cornell University <b>Alice Silverberg</b> , University of California at Irvine <b>Shmuel Weinberger</b> , University of Chicago
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#### **4.1.4 Tellers' Report on the Election to the Editorial boards Committee**

The following were elected to the Editorial Boards Committee. Their terms of office are February 1, 2018 – January 31, 2021.

Editorial Boards Committee	<b>Akshay Venkatesh</b> , Stanford University <b>Amie Wilkinson</b> , University of Chicago
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The Council approved the various Tellers' reports.

### **4.2 Executive Committee and Board of Trustees**

#### **4.2.1 Appointments of AMS Officers [Executive Session]**

In accordance with the AMS Bylaws, the Secretary, the Associate Secretaries, the Treasurer, and the Associate Treasurer are appointed by the Council. Under a procedure established by the Council, the Executive Committee and Board of Trustees (ECBT), guided by its Nominating Committee,

recommends appointments and reappointments to the Council. The ECBT Nominating Committee consists of the third-year member of the EC (Jesús De Loera), the third-year member of the BT (Joseph Silverman), and the chair of the Council Nominating Committee (David Morrison).

Jesús De Loera reported to the Council on the substance of the review of each officer and the actions of the ECBT pertaining to the reappointments of two associate secretaries, the secretary and the treasurer.

**4.2.1.1 Associate Secretary of the Southeastern Section** The third term of Brian D. Boe as Associate Secretary of the Southeastern Section expires January 31, 2019. The ECBT recommended reappointment for another two-year term (February 1, 2019 – January 31, 2021).

**The Council reappointed Brian Boe.**

**4.2.1.2 Associate Secretary of the Eastern Section** The fifth term of Steven H. Weintraub as Associate Secretary of the Eastern Section expires January 31, 2019. The ECBT recommended reappointment for another two-year term (February 1, 2019 – January 31, 2021).

**The Council reappointed Steven Weintraub.**

**4.2.1.3 Secretary** The third term of Secretary Carla D. Savage expires on January 31, 2019. The ECBT recommended reappointment for another two-year term (February 1, 2019 – January 31, 2021).

**The Council reappointed Carla Savage.**

**4.2.1.4 Treasurer** The fourth term of Treasurer Jane M. Hawkins expires on January 31, 2019. The ECBT recommended reappointment for another two-year term (February 1, 2019 – January 31, 2021).

**The Council reappointed Jane Hawkins.**

## **4.2.2 Dues Level for the 2019 Membership Year**

T. Christine Stevens reported on the 2019 dues recommendations. The ECBT approved the following recommendations at its November 2017 meeting:

1. That the salary cutoff for regular high/low rates be raised to \$90,000 for 2019;
2. That the dues for Regular members in the high income category be \$200 for 2019 (dues for most other categories follow a formula, a percentage of the Regular individual member dues);
3. That the dues for affiliate members be increased to \$20 for 2019;
4. That the maximum number of AMS points that may be applied to dues for any year be equal to the number that would be needed in order to pay that year's affiliate dues rate.

The information used in formulating these recommendations, as well as a complete description of the procedure and principles, is contained in Attachment E.

**The Council approved the 2019 dues recommendation.**

### **4.2.3 Check-Off Designations for Future Dues Renewals**

From time to time, the ECBT has modified the suggested gift levels and/or the designations of contributions on the annual dues renewal forms. Most recently, Council accepted the ECBT's recommendation to raise the suggested contribution levels to \$40 (each) for the Epsilon Fund for Young Scholars and for the Centennial Fellowship Fund starting with the 2014 dues renewal form.

T. Christine Stevens reported on a new proposed change. In recognizing the value and importance of raising unrestricted donations and upon advice from the Development Committee, the ECBT approved adding the gift designation "Area of Greatest Need (unrestricted)" to the dues renewal form with a suggested contribution level of \$40, starting with the 2019 dues renewal, and recommended that Council do the same.

**The Council approved adding the proposed checkoff designation to the 2019 dues renewal form.**

## **4.3 Bulletin Editorial Committee [Executive Session]**

### **4.3.1 Bulletin Editorial Committee Appointments**

Susan Friedlander, Chief Editor of the *Bulletin*, recommended that Peter Kuchment (Texas A&M University) be reappointed as Editor of *Bulletin* Book Reviews for a term of three years, beginning on February 1, 2018 and ending on January 31, 2021.

**The Council approved the reappointment.**

### **4.3.2 Bulletin Associate Editors for Articles**

Friedlander also recommended that Emmanuel Candès (Stanford University), Daniel S. Freed (University of Texas at Austin), Edward Frenkel (University of California at Berkeley), Irene M. Gamba (University of Texas at Austin), Mark Goresky (Institute for Advanced Study), Andrew J. Granville (University of Montréal), Robert M. Guralnick (University of Southern California), Bryna R. Kra (Northwestern University), William P. Minicozzi II (Massachusetts Institute of Technology), Andrew Ranicki (University of Edinburgh), Burt Totaro (University of California at Los Angeles), Yuri Tschinkel (New York University, Courant Institute), and Maciej Zworski (University of California at Berkeley) be reappointed as Associate Editors for *Bulletin* Articles and that Ivan Z. Corwin (Columbia University) be appointed as an Associate Editor for *Bulletin* Articles for three years, February 1, 2018 through January 31, 2021.

**The Council approved the appointment and reappointments.**



### 4.3.3 Bulletin Associate Editors for Book Reviews

Peter Kuchment, Editor of *Bulletin* Book Reviews, recommended that David Cox (Amherst College), Mark Embree (Virginia Institute of Technology), Lisa Jeffrey (University of Toronto), Ken Ono (Emory University), Phillip Protter (Columbia University), and Israel Michael Sigal (University of Toronto) be reappointed as Associate Editors for *Bulletin* Book Reviews for three years, February 1, 2018 through January 31, 2021.

**The Council approved the reappointments.**

## 4.4 Committee on Meetings and Conferences

The Committee on Meetings and Conferences (CoMC) met in Chicago, Illinois, on March 18, 2017. The annual report of this committee is attached (Attachment F) and has been filed in the AMS Committee Report Book as Report Number 171204-018.

Monica Nevins, CoMC Chair, reported on behalf of the committee. Nevins mentioned the popularity of the JMM childcare program and reported on CoMC's 2017 annual review. The AMS Mathematics Research Communities (MRC) program was highlighted as particularly successful, and CoMC organized a 2018 JMM panel on "Collaborative research communities," in part to highlight the program. Nevins mentioned other items under consideration by CoMC, including a searchable repository for conferences.

## 4.5 Committee on Science Policy

The AMS Committee on Science Policy (CSP) met in Washington, D.C. on April 4 – 5, 2017. The annual report of this committee, including a report from the CSP Chair Scott Wolpert on recent activities, is attached (Attachment G) and has been filed in the AMS Committee Report Book as Report Number 170426-001. Karen Saxe, Associate Executive Director, Office of Governmental Relations, reported on behalf of the committee.

Saxe called attention to a 2018 JMM panel discussion on "Funding at federal agencies and advocacy for grassroots support," which was co-sponsored by CSP and Saxe presented a statement on gerrymandering recommended by CSP for Council endorsement.

### 4.5.1 Statement on Gerrymandering

Saxe reported for the CSP:

The CSP feels that the AMS can play a constructive role in the national conversation on gerrymandering. In particular, statistical and data science methods can be applied to measure and assess asymmetry in voting district plans. At the same time, it is fully recognized that setting thresholds is a policy matter and well beyond the Society's domain. That systematic methods can be applied challenges the popular view that

assessing districting is a completely subjective matter. As scientists, we believe that recurring phenomena can be measured and assessed.

Due to the increased attention being paid to the role of mathematics in this process by legislators and judicial bodies, CSP recommends that the AMS Council make a statement on the position of math and statistics in the redistricting process.

The attached (Attachment H) statement was written by a small group of AMS and American Statistical Association (ASA) members who have expertise in the area of redistricting. Within the AMS, it has gone through several rounds of review by CSP and by a few other AMS members with deep knowledge of the topic. ASA conducted a similar review. The statement was approved by the ASA Board at their November 17 meeting. The Committee on Science Policy voted by email to recommend it to the Council.

**After a considered discussion, the Council unanimously approved endorsing the gerrymandering statement in Attachment H.**

The Council then considered whether it would like to adopt the proposal *so as to speak in the name of the Society*. There was not unanimous support at this time, so the matter will be revisited at the April Council meeting where only a two-thirds vote would be required for passing.

[Note: The version of this gerrymandering statement that is posted on the AMS website includes a revised title, making clear that Council was making the statement. In addition, the penultimate paragraph, which contains a description of the AMS, was changed to reflect accurately membership numbers and the new name of the Office of Governmental Relations.]

## 4.6 Committee on Education

The AMS Committee on Education (COE) met in Washington, D.C. on October 26 – 28, 2017. A report on the public portion of the COE's annual meeting is attached (Attachment J) and has been filed in the AMS Committee Report Book as Report Number 171114-017.

Douglas Mupasiri, COE Chair, reported on some of the business conducted by the COE over the past year, including:

- COE approved the recommendation of the committee to select the winner of the 2018 Award for Impact on the Teaching and Learning of Mathematics;
- COE appointed an ad hoc committee to respond to a draft report on graduate STEM education written by the National Academy of Science (NAS) Committee on Revitalizing Graduate STEM Education for the 21st Century. The comments of COE's ad hoc committee were warmly received and addressed in the presentation of Layne Scherer (NAS) to COE at its October meeting.
- COE responded to a call from NSF for recommendations for members for a STEM education advisory panel.
- COE organized a panel at JMM 2018 on "Preparing mathematics students for non-academic careers."

- Katherine Stevenson agreed to serve as COE's representative to Transforming Post-Secondary Education in Mathematics.

## 4.7 Committee on the Profession

The AMS Committee on the Profession (CoProf) met in Chicago, Illinois, on October 13 – 14, 2017. The annual report of this committee is attached (Attachment K) and has been filed in the AMS Committee Report Book as Report Number 171114-019.

Fadil Santosa, CoProf Chair, reported on behalf of the committee. Santosa presented the following CoProf items for Council consideration.

### 4.7.1 Committee on Human Rights of Mathematicians

A CoProf subcommittee reviewed the Committee on Human Rights of Mathematicians (CHRM) in 2017. This review focused on whether CHRM should continue to exist and, if so, what the scope of its concerns and powers should be.

As a result of this review, a new charge to the committee was proposed and approved by CoProf (included as Attachment M). Among other changes, the revised charge would expand CHRM's scope to include human rights violations "wherever they occur." (Currently, the committee is "confined ... to the rights of foreign mathematicians.") Such a change was approved by the Council in January 1987, but that change was apparently never implemented.

The essence of the recommendation is that the **Principal Activities** of the committee be defined as follows:

The AMS is committed to speaking whenever mathematicians are deprived of the opportunity to practice their profession due to violations of the freedoms enumerated in the Universal Declaration of Human Rights and its Affirmation adopted by the U.S. National Academy of Sciences. This Committee will assist the Society in such matters by investigating alleged violations of human rights of mathematicians and by recommending appropriate action. For this purpose, a mathematician is a person professionally engaged in a mathematical science (such as pure mathematics, applied mathematics, mathematical statistics, computer science, or operations research) or trained for such activity. Outside of exceptional cases the Committee's charge does not extend to disputes over appointments, denial of promotion, or withdrawal of professional recognition.

The Committee should arrive at recommendations for action using common sense, any source of information available, and the advice of organizations which have had extensive experience in human rights cases such as the International League for the Rights of Man and Amnesty International. The Committee is encouraged to make polite inquiries to governments and embassies, since a timely polite inquiry may be more valuable than a vociferous protest later on. Some examples of recommendations that the Committee might make include (but are not limited to):

- that the AMS President write a letter,

- that the AMS membership be informed about a case (e.g., informed of a petition that members may wish to sign),
- that a news item be posted to the AMS website,
- that the AMS Council take an action in the name of the Council, or call a referendum on an action to be taken in the name of the Society.

The Committee files an annual report with the AMS Secretary's Office.

CoProf recommended that the current charge (Attachment L) to the Committee on the Human Rights of Mathematicians be replaced by the charge found in Attachment M.

There was discussion about concerns regarding lack of training for volunteer members conducting investigations and a lack of clear definition regarding to whom the committee charge would apply. Treasurer Hawkins expressed concerns about potential legal exposure in broadening the committee purview. Concerns were expressed about even having such a committee, that many issues are not clear cut, about the burden of the committee with so much injustice in the world, and about the risk of cherry-picking cases. President Ribet said there could be future discussion about whether we should continue to have the committee, given the risk, burden, etc., and called for a vote on the proposed charge change.

**The Council did *not* approve the change in the charge. The vote was 8 in favor, 8 opposed, with the remaining members abstaining.**

#### **4.7.2 Charges to the Bôcher, Cole, and Veblen Prize Committees**

The Prize Oversight Subcommittee of CoProf considered the charges of the Bôcher, Cole and Veblen Prize Selection Committees, paying particular attention to the existing stipulation that "either the recipient is a member of the Society or the Memoir is published in a recognized North American Journal." In October of 2017, the Subcommittee recommended some changes designed to:

1. standardize the form and content of the charges;
2. bring the procedure for approval of the winner in line with current practice, i.e., "The committee recommends a winner and communicates this recommendation to the Secretary for approval by the Executive Committee of the Council"; and
3. liberalize the terms of the prize, removing any geographic restrictions and membership requirements and leaving it to the committee to decide which mathematical works to recognize; specifically, replace "a notable research memoir" with "a notable research work," and the sentence "either the recipient is a member of the Society or the Memoir is published in a recognized North American Journal" with "The work must be published in a recognized, peer-reviewed venue."

CoProf recommended that Council replace the current Bôcher, Cole and Veblen Committee Charges (Attachments N, O, and P) with the Proposed Bôcher, Cole and Veblen Committee Charges (Attachments Q, R, and S.)

**The Council approved the recommended charge changes.**

### 4.7.3 AMS Mary P. Dolciani Prize

The AMS has signed a grant agreement with the Mary P. Dolciani Halloran Foundation to establish the Mary P. Dolciani Prize for Excellence in Research, contingent on AMS governance approval. The prize will be for a distinguished record of scholarship and active research for faculty at a primarily undergraduate institution. CoProf approved the prize description in October 2017, and in November 2017 the Board of Trustees approved a prize amount of \$5000 to be awarded every other year for five award cycles beginning in 2019.

CoProf recommended that Council create the AMS Mary P. Dolciani Prize for Excellence in Research, with the following Prize Description:

The AMS Mary P. Dolciani Prize for Excellence in Research recognizes a mathematician from a primarily undergraduate institution who has an active research program and a distinguished record of scholarship. The primary criterion for the prize is an active research program as evidenced by a strong record of peer-reviewed publications. Additional selection criteria may include the following:

- Evidence of a robust research program involving undergraduate students in mathematics;
- Demonstrated success in mentoring undergraduates whose work leads to peer reviewed publication, poster presentations, or conference presentations;
- Membership in the AMS at the time of nomination and receipt of the award is preferred but not required.

There was a discussion regarding what was meant by the phrase “primarily undergraduate institution” contained in the first sentence of the prize description. There was agreement that the focus of the prize should be mathematical research, and that the language should be changed to reflect that emphasis. The Council also wanted to insert a line break before “Additional selection criteria may include the following.” Without it, some felt that it was the three bullet points that were being emphasized as prize criteria.

**Council approved a motion to amend the first sentence of the Prize Description by deleting “primarily undergraduate institution” and replacing that language with “department that does not grant a Ph.D.” and adding the phrase “in mathematics” after the phrase “active research program.”**

**Council then approved the prize with the amended Prize Description reading:**

The AMS Mary P. Dolciani Prize for Excellence in Research recognizes a mathematician from a **department that does not grant a Ph.D.** who has an active research program **in mathematics** and a distinguished record of scholarship. The primary criterion for the prize is an active research program as evidenced by a strong record of peer-reviewed publications.

Additional selection criteria may include the following:

- Evidence of a robust research program involving undergraduate students in mathematics;

- Demonstrated success in mentoring undergraduates whose work leads to peer reviewed publication, poster presentations, or conference presentations;
- Membership in the AMS at the time of nomination and receipt of the award is preferred but not required.

**CoProf also recommended that a selection committee be established, with the attached charge, which now includes the amended Prize Description (Attachment T) and Council approved.**

#### **4.7.4 Data Collection**

Each year, the *Notices* publishes statistics about women in mathematics. The most recent such report can be found at [www.ams.org/publications/journals/notices/201709/rnoti-p994.pdf](http://www.ams.org/publications/journals/notices/201709/rnoti-p994.pdf). These statistics are published in accord with a motion approved by the Council in August 1985, which said, in part:

*The AMS should regularly assemble information on the relative numbers of men versus women in at least the following categories, and should keep at least the Council informed of its findings:*

*(A) Membership in the AMS*

*(B) Invited hour addresses at AMS meetings*

*(C) Speakers at special sessions at AMS meetings*

*(D) Members of editorial boards of AMS journals.*

At its 2017 meeting, CoProf recommended that the Council amend the 1985 statement by replacing the phrase “information on the relative numbers of men versus women” with “demographic information” so that the first sentence would become: “The AMS should regularly assemble demographic information in at least the following categories...”

**The Council approved the proposed amendment to its 1985 statement.**

#### **4.7.5 Charge to the Nominating Committee**

In 2016, CoProf created a subcommittee to “clean up” the charge to the Nominating Committee (NomCom). This was prompted by a recommendation of Douglas Arnold, chair of the 2016 NomCom, that certain changes be made. At its 2017 meeting, CoProf approved the subcommittee’s recommended changes. Some of the changes are cosmetic and others bring the charge in line with current practice.

CoProf recommended that Council approve the changes indicated in the attached draft of the Nominating Committee Charge (Attachment U).

**The Council approved the changes to the NomCom charge.**

#### 4.7.6 Charge for the AMS-ASA-MAA-SIAM Data Committee

By 2016, a number of inconsistencies were evident between the Joint Data Committee's charge and its practice, so in conjunction with the AMS Secretary's Office, the committee proposed a revision to its charge. The proposed charge and the current charge are included as Attachment V. In addition to more accurately describing the activities of the Joint Data Committee, the proposed charge suggests the following change in the composition of the committee:

- Current: 5 AMS representatives, 1 ASA representative, 3 MAA representatives, and 1 SIAM representative;
- Proposed: 4 AMS representatives, 2 ASA representatives, 3 MAA representatives, and 1 SIAM representative.

The Joint Data Committee approved this charge at its January 2017 meeting. It has also been approved by the ASA, MAA, and SIAM.

CoProf recommended that the Council approve the proposed charge to the AMS-ASA-MAA-SIAM Data Committee (Attachment V).

**The Council approved the revised charge.**

#### 4.7.7 Charge to the Selection Committee for the Distinguished Public Service Award

The current charge to the committee to select the recipient of the Award for Distinguished Public Service is as follows (emphasis added):

**General Description:**

- Committee is standing
- Number of members is five
- Term is *five* years

**Principal Activities:** The Committee reports to the Executive Committee acting for the Council at the Fall ECBT in Executive Session. The Committee nominates a recipient for an "Award for Distinguished Public Service" every two years to a research mathematician who has made a *distinguished contribution to the mathematics profession through public service during the preceding five years. The Executive Committee must approve the selection.* The award will be presented every two years (*beginning in 1990*) during the Joint Mathematics Meeting. Award is in the amount of \$4,000.

Acting on recommendations from the Selection Committee and the Secretary, CoProf recommended that this charge be replaced with:

**General Description:**

- Committee is standing

- Number of members is five
- Term is **four** years

**Principal Activities:** The Committee reports to the Executive Committee acting for the Council at the Fall ECBT in Executive Session. The Committee nominates a recipient for an “Award for Distinguished Public Service” every two years to a research mathematician who has made **recent or sustained distinguished contributions to the mathematics profession through public service.** The award will be presented every two years during the Joint Mathematics Meeting. Award is in the amount of \$4,000.

**The Council approved the changes to the committee term and selection criteria for the Distinguished Public Service Award.**

The Secretary further recommended that the first sentence under Principal Activities be changed as follows to reflect more accurately current practice:

The committee recommends a winner and communicates this recommendation to the Secretary for approval by the Executive Committee of the Council.

**The Council approved the Secretary’s recommendation.**

#### **4.7.8 Statement on Peer-Reviewed Research [Executive Session]**

CoProf recommended that Council endorse the following Statement on Peer-Reviewed Research:

The American Mathematical Society strongly supports peer-reviewed research. As a community, we cherish robust debate on scientific issues. Critique of scholarly work requires analysis of the original text and cannot rely solely on news media reports or social media comments. Personal attacks and criticisms of scholarship based on the identity of the scholar have no place in mathematics or in civil discourse.

**The Council approved a motion to amend the statement, replacing the words “in civil” in the last sentence with “its.”**

**The Council voted to endorse the statement, as amended, so that the last sentence reads “Personal attacks and criticisms of scholarship based on the identity of the scholar have no place in mathematics or its discourse.”**

The Council then considered whether it would like to adopt the proposal, *so as to speak in the name of the Society*, which would have required a unanimous vote at this meeting. Instead, it was decided to defer this item until the April Council meeting, where only a two-thirds vote would be required for passing.

**The approved statement will thus read:**

The **Council of the** American Mathematical Society strongly supports peer-reviewed research. As a community, we cherish robust debate on scientific issues. Critique of scholarly work requires analysis of the original text and cannot rely solely on news



media reports or social media comments. Personal attacks and criticisms of scholarship based on the identity of the scholar have no place in mathematics or its discourse.

## 4.8 Committee on Publications

The AMS Committee on Publications (CPub) met in Chicago, Illinois, on October 13 – 14, 2017. The annual report of this committee is attached (Attachment W) and has been filed in the AMS Committee Report Book as Report Number 171102-009. CPub Chair, Ilya Kapovich, reported on behalf of the committee.

In addition, Kapovich presented the following CPub recommendations for Council consideration.

### 4.8.1 Web Editorial Group

In September 2011, CPub endorsed the creation of a working group, the AMS Web Editorial Group (WEG), to advise AMS officers and staff about mathematical content on the AMS website. WEG supplements the work of the staff Web Advisory Group (WAG).

The January 2017 Council instructed CPub to consider whether WEG should become a standing committee, and if so, to develop a charge for it.

Because the duties of WEG relating to content on the AMS website are not presently clear, CPub recommended that WEG be discharged with thanks and that in its place, a member of CPub will be appointed as a liaison to WAG to advise on matters of web content.

**The Council approved discharging the WEG with thanks and appointing a CPub liaison to WAG.**

### 4.8.2 CPub Review Cycle

CPub is charged with high-level oversight of the Society's publications and, as part of this charge, conducts detailed periodic reviews of the following AMS activities in a four-year cycle:

Year 1: Primary journals (JAMS, PAMS, TAMS, Math of Comp)

Year 2: All other journals

Year 3: AMS book program

Year 4: Member Journals (Bulletin, Notices, Abstracts)

Acting on a proposal from AMS staff, CPub recommended that its reviews be conducted on a three-year cycle as follows:

Year 1: AMS Book Program (beginning in 2018)

Year 2: Primary Journals (JAMS, MCOM, PAMS, TAMS)

Year 3: Member Journals (Bulletin, Notices, Abstracts) and All Other Journals (electronic only, translation, and distributed journals)

**The Council approved CPub moving to a three-year review cycle of the Society's publications.**

### 4.8.3 Editorial Committee Charges

In this item, a clarification of six editorial committee charges is proposed.

Chairs of the editorial committees for the *Proceedings of the AMS*, *Colloquium Publications*, *Journal of the AMS*, *Mathematical Surveys and Monographs*, *Mathematical Reviews*, *Transactions* and *Memoirs*, and *Mathematics of Computation* are appointed by the Council upon the recommendation of the Editorial Boards Committee (EBC). The President of the Society appoints all other members to these committees upon the recommendation of the EBC. This information is clearly stated in the charge to the EBC (Attachment X). However, several editorial committee charges are incomplete or unclear in their descriptions of how appointments are made. The following changes, recommended by the Secretary and endorsed by CPub, require Council approval.

- In the charge to the Journal of the AMS Editorial Committee, insert the following sentence under Miscellaneous Information (as indicated in Attachment Y):

*The other five editors are appointed by the President upon recommendation of the EBC in consultation with the Managing Editor.*

- In the charges to the Proceedings of the AMS Editorial Committee (Attachment Z) and the Transactions and Memoirs Editorial Committee (Attachment AA), delete the Note (as indicated in the attachments) under Other Activities, and insert the following sentence under Miscellaneous Information:

*The other editors and the coordinating editors are appointed by the President upon recommendation of the EBC in consultation with the Managing Editor.*

- In the charges to the Colloquium Publications Editorial Committee (Attachment AB), the Mathematical Surveys and Monographs Editorial Committee (Attachment AC), and the Mathematical Reviews Editorial Committee (Attachment AD), insert the following sentence under Miscellaneous Information:

*Other members are appointed by the President upon the recommendation of the EBC.*

**Council approved a friendly motion to amend the CPub item, removing the word “five” from the first bullet item. Council then approved the recommended changes, with the understanding that the Secretary’s office would add clarifying language to each charge, quoting language from the EBC charge, making it clear that the EBC consults with the editorial committees before recommending appointments. The language from the EBC charge to be included in Editorial Committee charges is:**

The committee (EBC) shall recommend appointees to certain editorial committees to the AMS President and the Council. To that end, it shall solicit suggestions for those

editorial committees by consulting with managing editors, current editorial committees, and other interested parties. The committee should take into account both the interests of the publications and the overall interests of the Society.

## 4.9 Mathematical Reviews Editorial Committee

The *Mathematical Reviews* Editorial Committee (MREC) met in Ann Arbor, Michigan on October 09, 2017. The annual report of this committee is attached (Attachment AE) and has been filed in the AMS Committee Report Book as Report Number 17114-012.

Executive Editor Edward Dunne reported on a few highlights of the meeting for MREC Chair Andreas Frommer who was unable to attend. Dunne reported that:

- Math Reviews (MR) is in discussions with the Institute of Mathematical Sciences about ingesting the data from the current Index of Statistics into MathSciNet;
- MREC discussed the updating of the Mathematics Subject Classifications going on for 2020;
- MREC provided guidance about adopting new journals and adopting journals into MR's reference list program;
- You can read about new features, including auto-suggest in author searches and journal searches, in Dunne's AMS blog on MathSciNet.

## 4.10 Report of the Chief Editor of the Notices

The Chief Editor of the *Notices*, Frank Morgan, reported that:

- The top priority of *Notices* remains presentation of current mathematics;
- The January issue contains a JMM 2018 Lecture Sample, the February issue is going to honor Black History Month, and the March issue will honor Women's History Month;
- In the past couple of years the number of authors from underrepresented minorities has increased from 8% to 17% and the number of women authors has increased from 16% to 30%;
- He is happy that *Notices* is regularly getting letters to the editor again;
- The entire *Notices* board is sorry to have lost Allyn Jackson as deputy editor and senior writer.

## 4.11 Report from the Fellows Selection Committee

The Fellows Selection Committee completed its work of selecting the AMS Fellows for 2018; its annual report is attached (Attachment AF) and has been filed in the AMS Committee Report Book as Report Number 170822-002.

President Ribet called attention to the committee's recommendation that there should be a separate committee charged with generating nominations for women and underrepresented groups and invited comments from the Council.

Council member Henry Cohn, who also served on the Fellows Selection Committee, spoke about the recommendation that there be a small committee to make sure that no one is overlooked. He said apparently this has worked well for other societies with Fellows programs. He said that part of the issue is that the only people in the AMS who are directly dealing with the Fellows Program are the selection committee members who all have a conflict of interest and cannot solicit or support nominations. So, it would be useful to have a few people explicitly charged with finding plausible cases and trying to solicit good nominations in a way that is clearly separated from the selection process.

President Ribet acknowledged that this is one of the most difficult committees to serve on and expressed thanks to all the people who have served over the years.

#### **4.12 Report from the Mathematics Research Communities Advisory Board**

The 2017 annual report of this committee is attached (Attachment AG) and has been filed in the AMS Committee Report Book as Report Number 171122-016.

#### **4.13 Report from the Committee on Women in Mathematics (CoWiM)**

The 2017 annual report of this committee is attached (Attachment AH) and has been filed in the AMS Committee Report Book as Report Number 171030-005.

#### **4.14 Report from the Library Committee**

The 2017 annual report of this committee is attached (Attachment AI) and has been filed in the AMS Committee Report Book as Report Number 171109-011.

#### **4.15 Report from the Fan Fund Committee**

The 2017 annual report of this committee is attached (Attachment AJ) and has been filed in the AMS Committee Report Book as Report Number 171101-008.

#### **4.16 Report from the Arnold Ross Lecture Series Committee**

The 2017 annual report of this committee is attached (Attachment AK) and has been filed in the AMS Committee Report Book as Report Number 171110-013.

#### **4.17 Report from the Short Course Subcommittee**

The 2017 annual report of this committee is attached (Attachment AL) and has been filed in the AMS Committee Report Book as Report Number 171110-014.

#### **4.18 Report from the AMS Liaison Committee with AAAS**

The 2017 annual report of this committee is attached (Attachment AM) and has been filed in the AMS Committee Report Book as Report Number 171030-007.

#### **4.19 Report from the AMS-MAA-SIAM Committee on Employment Opportunities**

The 2017 annual report of this committee is attached (Attachment AN) and has been filed in the AMS Committee Report Book as Report Number 171110-015.

#### **4.20 Report from the AMS-ASA-MAA-SIAM Data Committee**

The 2017 annual report of this committee is attached (Attachment AO) and has been filed in the AMS Committee Report Book as Report Number 171018-003.

#### **4.21 Report from the AMS-MAA Committee on Teaching Assistants and Part-Time Instructors**

The 2017 annual report of this committee is attached (Attachment AP) and has been filed in the AMS Committee Report Book as Report Number 171108-010.

#### **4.22 Report from the AMS Representative to the Canadian Mathematical Society**

The 2017 report from Jennifer Taback, AMS Representative to the Canadian Mathematical Society, is attached (Attachment AQ) and has been filed in the AMS Committee Report Book as Report Number 171011-004.

## **4.23 Report from the AMS Representatives to the Mathematical Council of the Americas**

The 2017 report from Susan Friedlander, AMS Representative to the Mathematical Council of the Americas, is attached (Attachment AR) and has been filed in the AMS Committee Report Book as Report Number 171031-006.

## **5 Old Business**

## **6 New Business**

### **6.1 Guidelines for the Fellows Selection Committee on the Number of New Fellows**

Each year the January Council must provide a guideline for the number of Fellows to be selected that year. Attachment AS sets forth the process laid out in the Fellows Proposal that was approved by the membership. In particular, Item I.C, and Footnotes 1 and 5 of that document state that the target number of Fellows is determined by the AMS Council as a percentage of the membership. The Proposal's recommendation to Council is that the target be about 5% of members, to be attained over the first ten years of the program, and that the target percentage be revisited by Council at least once every ten years. It might be increased or decreased in light of the history of the nomination and selection process.

Attachment AT contains information about the number of AMS members, the number of Fellows, the number of new nominations received each year and the number of nominations reviewed by the selection committee.

There are currently 28,459 members, 1,358 of whom are Fellows. The Secretary asked the Executive Committee (EC) to recommend a number to the Council as the guideline for the election of new Fellows in 2018, the sixth year of the transition period.

The EC recommends to the Council that the Fellows Selection Committee be given a guideline of 50–65 Fellows to be selected in 2018 for the Class of 2019.

**The Council approved 50-65 as a guideline for the number of 2019 Fellows.**

### **6.2 Chief Editor of the Notices [Executive Session]**

Frank Morgan's first term as Chief Editor of the *Notices* ends on December 31, 2018. The following procedure was established by the Council of January 2006:

The chief editors of the *Notices* and *Bulletin* shall be appointed by the Council. Recommendations for appointment and reappointment shall be made by a committee consisting of the Executive Director (chair), the Secretary, the President, and two elected

members of the Council appointed by the President. For new appointments, the committee should advertise widely to attract applications from the entire mathematical community. The recommendation of the committee along with a written rationale shall be brought to the Council for its approval.

Accordingly, David Jerison, Mary Pugh, Kenneth Ribet, Catherine Roberts, and Carla Savage comprised a search committee to make a recommendation to the Council concerning the Chief Editor of the *Notices* for the three years 2019–2021. The Chair of the Committee, Catherine Roberts, reported in Executive Session.

**The Council appointed Erica Flapan as Chief Editor of the *Notices* for a three year term beginning January 1, 2019 and ending December 31, 2021.**

### **6.3 Request for Council Consideration of a Possible Conflict of Interest [Executive Session]**

The Council tabled this item.

### **6.4 Update on Strategic Planning for Publishing [Executive Session]**

Robert Harington, Associate Executive Director for Publishing, reported on progress and plans in Executive Session.

### **6.5 Report from the Executive Director**

AMS Executive Director Catherine Roberts reported regarding the Society's financial health, which remains excellent; the acquisition of the MAA Press book program, as part of the AMS strategic plan to publish more mathematics content; a newly awarded NSF grant to support the Mathematics Research Communities program, which will move to Rhode Island this summer; new enhancements to MathSciNet, including Elastisearch and integration with MathOverflow; active Membership and Education and Diversity Departments; and plans to launch a grassroots advocacy program through the D.C. office.

Roberts reported that efforts to increase AMS visibility and awareness are well underway, starting with the new AMS logo, the new AMS tagline, "Advancing research. Creating connections." and a redesigned [ams.org](http://ams.org) website, all launched on opening day of JMM 2018.

Roberts unveiled the AMS campaign for the new "Next Generation Fund," with a goal of raising \$3 million for an endowment to support early career mathematicians. The impetus for the fund comes from a generous AMS benefactor who has pledged \$1.5 million provided the AMS raises an equal amount. Rob Lazarsfeld, Ken Ribet, and Jen Taback are co-chairing the campaign committee.

## **7 Announcements, Information and Record**

### **7.1 Budget**

It was reported that the Board of Trustees adopted the budget for 2018 as presented at its November 2017 meeting.

### **7.2 Next Council Meeting**

The next AMS Council Meeting will be held **Saturday, April 28, 2018**, in Chicago, Illinois. **Guests should plan to arrive at 11:30 a.m. for lunch, and the meeting will begin at noon.** As usual, a significant component of the Council meeting will be the actual nomination of candidates for election in 2018 to AMS offices, as proposed by the Nominating Committee.

In addition, time will be allocated for a Council discussion on the topic:

**The composition of AMS editorial boards and the role of the EBC.**

### **7.3 Future Scientific and Governance Meetings**

See the listing of future meetings in Attachment AU.

## **8 Adjournment**

The meeting was adjourned at **6:03 p.m.**



# ATTACHMENTS



**2017 AMS GOVERNANCE****2017 COUNCIL***Officers*

President	Kenneth A. Ribet	University of California, Berkeley	31 Jan 2019
Immediate Past President	Robert Bryant	Duke University	31 Jan 2018
Vice Presidents	Carlos Kenig	University of Chicago	31 Jan 2018
	Richard Schoen	University of California, Irvine & Stanford University	31 Jan 2019
	David Jerison	MIT	31 Jan 2020
Secretary	Carla D. Savage	North Carolina State University	31 Jan 2019
Associate Secretaries	Georgia Benkart	University of Wisconsin	31 Jan 2020
	Brian D. Boe	University of Georgia	31 Jan 2019
	Michel Lapidus	University of California, Riverside	31 Jan 2020
	Steven H. Weintraub	Lehigh University	31 Jan 2019
Treasurer	Jane M. Hawkins	University of North Carolina	31 Jan 2019
Associate Treasurer	Zbigniew Nitecki	Tufts University	31 Jan 2020

*Representatives of Committees*

Bulletin	Susan J. Friedlander	University of Southern California	31 Jan 2021
Colloquium	Peter Sarnak	Princeton University	31 Jan 2021
Executive Committee	Jennifer Taback	Bowdoin College	28 Feb 2018
Executive Committee	Jesus A. De Loera	University of California, Davis	28 Feb 2019
Journal of the AMS	Sergey Fomin	University of Michigan	31 Jan 2021
Math Reviews	Andreas J. Frommer	Bergische Universität Wuppertal	31 Jan 2019
Math Surveys & Monographs	Michael A. Singer	University College London	31 Jan 2018
Mathematics of Computation	Susanne C. Brenner	Louisiana State University	31 Jan 2020
Proceedings of the AMS	Ken Ono	Emory University	31 Jan 2018
Transactions and Memoirs	Alejandro Adem	University of British Columbia	31 Jan 2021

*Members at Large*

Matthew Baker	Georgia Institute of Technology	31 Jan 2018
Edward Frenkel	University of California, Berkeley	31 Jan 2018
Pamela Gorkin	Bucknell University	31 Jan 2018
Wen-Ching Winnie Li	Pennsylvania State University	31 Jan 2018
Mary Pugh	University of Toronto	31 Jan 2018
Henry Cohn	Microsoft Research New England & MIT	31 Jan 2019
Alicia Dickenstein	University of Buenos Aires	31 Jan 2019
Erica Flapan	Pomona College	31 Jan 2019
Anna Mazzucato	Pennsylvania State University	31 Jan 2019
Alan William Reid	Rice University	31 Jan 2019
Nathan M. Dunfield	University of Illinois, Urbana-Champaign	31 Jan 2020
Gregory F. Lawler	University of Chicago	31 Jan 2020
Irina Mitrea	Temple University	31 Jan 2020
Ravi Vakil	Stanford University	31 Jan 2020
Talitha M. Washington	Howard University	31 Jan 2020

## 2017 EXECUTIVE COMMITTEE

Jennifer Taback	Bowdoin College	28 Feb 2018
Jesus A. De Loera	University of California, Davis	28 Feb 2019
Alejandro Adem	University of British Columbia	28 Feb 2020
Ravi D. Vakil	Stanford University	28 Feb 2021
Robert Bryant	Duke University	<i>ex officio</i>
Kenneth A. Ribet	University of California, Berkeley	<i>ex officio</i>
Carla D. Savage	North Carolina State University	<i>ex officio</i>

## 2017 TRUSTEES

Karen Vogtmann	Cornell University	31 Jan 2018
Robert Lazarsfeld	Stony Brook University	31 Jan 2019
Joseph H. Silverman	Brown University	31 Jan 2020
Bryna Kra	Northwestern University	31 Jan 2021
Ralph L. Cohen	Stanford University	31 Jan 2022
Jane M. Hawkins	University of North Carolina	<i>ex officio</i>
Zbigniew Nitecki	Tufts University	<i>ex officio</i>
Kenneth A. Ribet	University of California, Berkeley	<i>ex officio</i>

## 2017 EDITORIAL BOARDS COMMITTEE

Daniel Calegari	University of Chicago	31 Jan 2018
Hee Oh	Yale University	31 Jan 2018
Tatiana Toro	University of Washington	31 Jan 2019
Laura DeMarco	Northwestern University	31 Jan 2019
Hélène Barcelo	MSRI	31 Jan 2020
Scott Sheffield	MIT	31 Jan 2020
Sergei Gelfand	AMS	<i>ex officio</i>
Carla D. Savage	North Carolina State University	<i>ex officio</i>

## 2017 NOMINATING COMMITTEE

Douglas N. Arnold	University of Minnesota	31 Dec 2017
Christine Guenther	Pacific University	31 Dec 2017
Kavita Ramanan	Brown University	31 Dec 2017
Carolyn Gordon	Dartmouth College	31 Dec 2018
David R. Morrison	University of California, Santa Barbara	31 Dec 2018
Karen Hunger Parshall	University of Virginia	31 Dec 2018
Linda Chen	Swarthmore College	31 Jan 2019
Laura De Carli	Florida International University	31 Jan 2019
Shelly Harvey	Rice University	31 Jan 2019
Bjorn Poonen	MIT	31 Jan 2019

**2018 AMS GOVERNANCE****2018 COUNCIL***Officers*

President	Kenneth A. Ribet	University of California, Berkeley	31 Jan 2019
President Elect	Jill C. Pipher	Brown University	31 Jan 2019
Vice Presidents	Richard Schoen	University of California, Irvine & Stanford University	31 Jan 2019
	David Jerison	MIT	31 Jan 2020
	Ken Ono	Emory University	31 Jan 2021
Secretary	Carla D. Savage	North Carolina State University	31 Jan 2019
Associate Secretaries	Georgia Benkart	University of Wisconsin	31 Jan 2020
	Brian D. Boe	University of Georgia	31 Jan 2019
	Michel Lapidus	University of California, Riverside	31 Jan 2020
	Steven H. Weintraub	Lehigh University	31 Jan 2019
Treasurer	Jane M. Hawkins	University of North Carolina	31 Jan 2019
Associate Treasurer	Zbigniew Nitecki	Tufts University	31 Jan 2020

*Representatives of Committees*

Bulletin	Susan J. Friedlander	Univ. of Southern California	31 Jan 2021
Colloquium	Peter Sarnak	Princeton Univ.	31 Jan 2021
Executive Committee	Jesus A. De Loera	Univ. of California, Davis	28 Feb 2019
Journal of the AMS	Sergey Fomin	Univ. of Michigan	31 Jan 2021
Math Reviews	Andreas J. Frommer	Bergische Universität Wuppertal	31 Jan 2019
Math Surveys & Monographs	Robert M. Guralnick	Univ. of Southern California	31 Jan 2022
Mathematics of Computation	Susanne C. Brenner	Louisiana State Univ.	31 Jan 2020
Proceedings of the AMS	Matthew A. Papanikolas	Texas A&M Univ.	31 Jan 2022
Transactions and Memoirs	Alejandro Adem	Univ. of British Columbia	31 Jan 2021

*Members at Large*

Henry Cohn	Microsoft Research New England & MIT	31 Jan 2019
Alicia Dickenstein	University of Buenos Aires	31 Jan 2019
Erica Flapan	Pomona College	31 Jan 2019
Anna Mazzucato	Pennsylvania State University	31 Jan 2019
Alan William Reid	Rice University	31 Jan 2019
Nathan M. Dunfield	University of Illinois, Urbana-Champaign	31 Jan 2020
Gregory F. Lawler	University of Chicago	31 Jan 2020
Irina Mitrea	Temple University	31 Jan 2020
Ravi Vakil	Stanford University	31 Jan 2020
Talitha M. Washington	Howard University	31 Jan 2020
Erika T. Camacho	Arizona State University	31 Jan 2021
Victor Reiner	University of Minnesota	31 Jan 2021
Brooke Shipley	University of Illinois, Chicago	31 Jan 2021
Gigliola Staffilani	Massachusetts Institute of Technology	31 Jan 2021
Anthony Várilly-Alvarado	Rice University	31 Jan 2021

## 2018 EXECUTIVE COMMITTEE

Jesus A. De Loera	University of California, Davis	28 Feb 2019
Alejandro Adem	University of British Columbia	28 Feb 2020
Ravi D. Vakil	Stanford University	28 Feb 2021
Henry Cohn	Microsoft Research New England & MIT	28 Feb 2022
Robert Bryant	Duke University	<i>ex officio</i>
Kenneth A. Ribet	University of California, Berkeley	<i>ex officio</i>
Carla D. Savage	North Carolina State University	<i>ex officio</i>

## 2018 TRUSTEES

Robert Lazarsfeld	Stony Brook University	31 Jan 2019
Joseph H. Silverman	Brown University	31 Jan 2020
Bryna Kra	Northwestern University	31 Jan 2021
Ralph L. Cohen	Stanford University	31 Jan 2022
Judy L. Walker	University of Nebraska, Lincoln	31 Jan 2023
Jane M. Hawkins	University of North Carolina	<i>ex officio</i>
Zbigniew Nitecki	Tufts University	<i>ex officio</i>
Kenneth A. Ribet	University of California, Berkeley	<i>ex officio</i>

## 2018 EDITORIAL BOARDS COMMITTEE

Laura DeMarco	Northwestern University	31 Jan 2019
Tatiana Toro	University of Washington	31 Jan 2019
Hélène Barcelo	MSRI	31 Jan 2020
Scott Sheffield	Massachusetts Institute of Technology	31 Jan 2020
Akshay Venkatesh	Stanford University	31 Jan 2021
Amie Wilkinson	University of Chicago	31 Jan 2021
Sergei Gelfand	AMS	<i>ex officio</i>
Carla D. Savage	North Carolina State University	<i>ex officio</i>

## 2018 NOMINATING COMMITTEE

Carolyn Gordon	Dartmouth College	31 Dec 2018
David R. Morrison	University of California, Santa Barbara	31 Dec 2018
Karen Hunger Parshall	University of Virginia	31 Dec 2018
Linda Chen	Swarthmore College	31 Dec 2019
Laura De Carli	Florida International University	31 Dec 2019
Shelly Harvey	Rice University	31 Dec 2019
Bjorn Poonen	MIT	31 Dec 2019
Tara S. Holm	Cornell University	31 Dec 2020
Alice Silverberg	University of California, Irvine	31 Dec 2020
Shmuel Weinberger	University of Chicago	31 Dec 2020

## Employment Services Advisory Board

### General Description

- Committee is standing
- Number of members is three at large members appointed by the President
- Term is three years

### Principal Activities

The Committee provides advice and guidance to the AMS staff in the area of employment services for mathematical scientists and those who hire them. Responsibilities include immediate attention to various policy questions that may arise from time to time, as well as a long-term view of the needs of the community, and the adequacy of AMS programs to meet those needs. The Advisory Board should update the Committee on the Profession annually about the state of AMS employment services and any current policy discussions or concerns.

### Other Activities

### Miscellaneous Information

The business of this committee can be done by mail, electronic mail, or telephone, expenses which may be reimbursed by the Society.

### *Note to the Chair*

Committee chairs should be informed, at the beginning of each fiscal period, of the budget of their committees and cautioned to remain within the budget. Such items as travel reimbursement, accommodations, and meals for guests of any kind fall within these budgets.

Work done by committees on recurring problems may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that a copy of every sheet of paper should be deposited (say once a year) in this central file. Confidential material should be noted, so that it can be handled in a confidential manner.

### Authorization

Created 04 January 2009 Council Minutes, Item 4.7.2; *updated 8/09; 10/13 Note to Chair, membership*

### Past Members

A list of current and past members is available here:

<http://www.ams.org/about-us/governance/committees/empboard-past.html>







## 2017 Election

Survey & Ballot Systems  
7653 Anagram Drive  
Eden Prairie, MN 55344-7311  
800-974-8099  
[surveyandballotsystems.com](http://surveyandballotsystems.com)



TABLE OF CONTENTS



AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION

Summary:	Page 1
Results:	Page 2
Write-In:	Page 8
Voters by Member Type:	Page 13
DirectVote® Rating:	Page 15
DirectVote® Comments:	Page 16

**SUMMARY**



**AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION**

Eligible Voters:	28,248
Paper Ballots:	177
Web Ballots:	3,429
Duplicate Web/Paper Ballots:	0
Final Web Ballots:	3,429
Total Returns:	3,606
Percent Returned:	12.77%

Certified by Survey & Ballot Systems

11/6/2017

Melissa Fiala

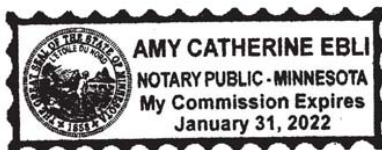
Date

Quality Assurance Specialist

11/6/2017

Notary Public

Date





## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

### President (2 Years)

Vote for: 1	Votes	Percent	
Jill C. Pipher	2,104	62.5%	DECISION
Ruth J. Williams	1,254	37.2%	
Write-in – only if different than candidates listed above	10	0.3%	

Total Valid Ballots:	3,368
Total Unexercised:	238
Total Invalid:	0
Total Ballots Cast:	3,606

### Vice President (3 Years)

Vote for: 1	Votes	Percent	
Ken Ono	2,160	64.0%	DECISION
Arlie O. Petters	1,206	35.8%	
Write-in – only if different than candidates listed above	7	0.2%	

Total Valid Ballots:	3,373
Total Unexercised:	233
Total Invalid:	0
Total Ballots Cast:	3,606



**AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION**

Board of Trustees (5 Years)

Vote for: 1	Votes	Percent	
Judy L. Walker	2,073	65.2%	DECISION
Peter March	1,100	34.6%	
Write-in – only if different than candidates listed above	6	0.2%	

Total Valid Ballots:	3,179
Total Unexercised:	427
Total Invalid:	0
Total Ballots Cast:	3,606



## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

### Member-at-Large of the Council (3 Years)

Vote for: 5	Votes	Percent	
Brooke Shipley	1,885	56.8%	DECISION
Gigliola Staffilani	1,878	56.6%	DECISION
Erika T. Camacho	1,369	41.3%	DECISION
Victor Reiner	1,346	40.6%	DECISION
Anthony Várilly-Alvarado	1,232	37.1%	DECISION
Guofang Wei	1,206	36.3%	
Eitan Tadmor	1,139	34.3%	
John Etnyre	1,089	32.8%	
Reinhard Laubenbacher	979	29.5%	
Chad M. Topaz	934	28.1%	
Write-in – only if different than candidates listed above	17	0.5%	
Write-in – only if different than candidates listed above	6	0.2%	
Write-in – only if different than candidates listed above	3	0.1%	
Write-in – only if different than candidates listed above	2	0.1%	
Write-in – only if different than candidates listed above	1	0.0%	



## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

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### Member-at-Large of the Council (3 Years)

Vote for: 5	Votes	Percent
Total Valid Ballots:	3,318	
Total Unexercised:	288	
Total Invalid:	0	
Total Ballots Cast:	3,606	

---

### Nominating Committee (3 Years) (3 to be elected)

Vote for: 6	Votes	Percent	
Tara S. Holm	2,030	64.1%	DECISION
Alice Silverberg	1,931	61.0%	DECISION
Shmuel Weinberger	1,567	49.5%	DECISION
Linda Ness	1,514	47.8%	
Douglas Ulmer	1,192	37.7%	
Benjamin Braun	1,016	32.1%	
Total Valid Ballots:	3,165		
Total Unexercised:	441		
Total Invalid:	0		
Total Ballots Cast:	3,606		



## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

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### Editorial Boards Committee (3 Years) (2 to be elected)

Vote for: 4	Votes	Percent	
Amie Wilkinson	2,294	73.1%	DECISION
Akshay Venkatesh	1,701	54.2%	DECISION
Joel Hass	1,343	42.8%	
James Sethian	1,151	36.7%	
	Total Valid Ballots:	3,137	
	Total Unexercised:	469	
	Total Invalid:	0	
	Total Ballots Cast:	3,606	

---

### Bylaws Vote #1

Vote for: 1	Votes	Percent	
Yes, I approve bylaws amendment #1	2,841	94.1%	DECISION
No, I do not approve bylaws amendment #1	179	5.9%	
	Total Valid Ballots:	3,020	
	Total Unexercised:	586	
	Total Invalid:	0	
	Total Ballots Cast:	3,606	





AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION

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Bylaws Vote #2

Vote for: 1	Votes	Percent	
Yes, I approve bylaws amendment #2	2,968	94.6%	DECISION
No, I do not approve bylaws amendment #2	168	5.4%	
Total Valid Ballots:	3,136		
Total Unexercised:	470		
Total Invalid:	0		
Total Ballots Cast:	3,606		

WRITE-IN



## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

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### President (2 Years)

Allyn Jackson	1
Joesph Kohn	1
JOSEPH C. FERRAR	1
Kenneth A. Ribet	1
Nicholas Katz Princeton Univ.	1
None of the Above	2
Zhou Fang	1
Zim M Olson	1

Note: A member may have checked write-in and left text field empty.



**AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION**

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Vice President (3 Years)

Michael Lacey	1
None of the Above	2
Peter Li	1
ROBERT BROWN	1
Ruth J. Williams	1
Zhou Fang	1

Note: A member may have checked write-in and left text field empty.

WRITE-IN



## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

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### Board of Trustees (5 Years)

HARRY ALLEN	1
john Ewing	1
Kefeng Liu	1
None of the Above	1
Tom Mrowka	1
Zhou Fang	1

Note: A member may have checked write-in and left text field empty.



## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

### Member-at-Large of the Council (3 Years)

BRUCE BURDICK	1
Charles Epstein	1
Christopher Heil	1
Douglas Mupasiri	1
Edray Herber Goins	1
Emil Straube	1
ERIC BUTTS	1
Georgia Benkart	1
JON OPREA	1
Karen Smith	1
KEITH CHAVEY	1
Lance Littlejohn	1
Maria Cristina Pereyra	1
Michael Kinyon	1
Michael Loss	1
MIECZYSLAW GRUDA	1
None of the Above 1	1
None of the Above 2	1

Note: A member may have checked write-in and left text field empty.

WRITE-IN



## AMERICAN MATHEMATICAL SOCIETY 2017 ELECTION

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### Member-at-Large of the Council (3 Years)

None of the Above 3	1
None of the Above 4	1
None of the Above 5	1
Ouyang, Cheng	1
Piper Harron	1
Richard C. Bradley	1
Rodolfo Torres	1
Terence Tao	1
Wojdylo, Jerzy	1
Zhou Fang	1

Note: A member may have checked write-in and left text field empty.

## VOTERS BY MEMBER TYPE


**AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION**

Member Type	Total Members	Paper Ballots	Web Ballots	Total Ballots	% Received
AFFIL-BULL	703	2	142	144	20.5%
AFFIL-NOTI	1,441	4	266	270	18.7%
CONT	35	3	6	9	25.7%
EMER	2,696	58	316	374	13.9%
FAM-P-H	27	0	12	12	44.4%
FAM-P-L	23	0	7	7	30.4%
FAM-S-H	20	1	6	7	35.0%
FAM-S-L	39	0	9	9	23.1%
GRADST	118	0	7	7	5.9%
INTERIM	95	0	19	19	20.0%
INTRO	1,743	14	288	302	17.3%
LIFE	1,466	22	417	439	29.9%
NOM	178	0	27	27	15.2%
NOM-G	12,217	2	290	292	2.4%
NOM-S	369	0	21	21	5.7%
RECIP	1,492	11	292	303	20.3%
RECIP-H	13	0	9	9	69.2%
RECIP-L	15	1	5	6	40.0%
REG-H	1,795	17	556	573	31.9%
REG-L	2,726	18	613	631	23.1%
RET	727	20	89	109	15.0%
STUDENT	221	3	23	26	11.8%

VOTERS BY MEMBER TYPE



AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION

Member Type	Total Members	Paper Ballots	Web Ballots	Total Ballots	% Received
UNEM	87	1	7	8	9.2%
Unspecified	2	0	2	2	100.0%
<b>Totals</b>	<b>28,248</b>	<b>177</b>	<b>3,429</b>	<b>3,606</b>	<b>12.8%</b>



**DIRECTVOTE® RATING**

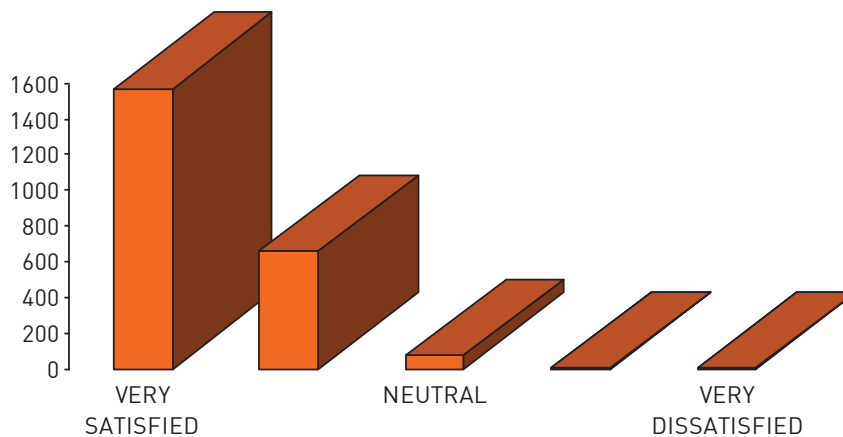


**AMERICAN MATHEMATICAL SOCIETY  
2017 ELECTION**

Rating	Count	Percent	Count	Percent
VERY SATISFIED	1,571	45.8%	1,571	67.7%
SATISFIED	660	19.2%	660	28.5%
NEUTRAL	76	2.2%	76	3.3%
DISSATISFIED	7	0.2%	7	0.3%
VERY DISSATISFIED	5	0.1%	5	0.2%
NO COMMENT	1,110	32.4%		
TOTAL	3,429	100.0%	2,319	100.0%

Cumulative Breakdown:

(Less "No Comment")	Count	Percent
Very Satisfied or Satisfied	2,231	96.2%
Dissatisfied or Very Dissatisfied	12	0.5%





### **Determining the 2019 Individual Member Dues Recommendation to the Council**

The procedure used for setting individual dues requires that discussions begin in year X, in order to set the dues rate for year X+2. The procedure for setting individual dues is the following:

- In November of year X, staff makes a recommendation about dues, guided by the principles described below. The ECBT then recommends a dues rate for year X+2 to the Council.
- In January of year X+1, the Council reviews the ECBT recommendation and sets the dues rate for year X+2.
- In May of year X+1, the Board of Trustees approves the dues set by Council.

In May 2015 the Board of Trustees approved the following principles to guide the setting of individual member dues:

**Principle 1:** The total revenue from individual and institutional dues should exceed the total net direct costs of the following membership related areas: privilege journals, members-only services, membership development, membership administration and governance, as reported to the Board of Trustees.

**Principle 2:** When an increase in dues rates is deemed to be appropriate, the following factors should guide the Council and the Board of Trustees in establishing the new dues rates:

- The current rate of inflation.
- The recent rate of growth in faculty salaries.
- The rate of growth in the net direct costs of the membership related areas listed in Principle 1.

**Principle 3:** A single increase in dues rates substantially beyond the level of the factors listed in Principle 2 should be avoided in favor of several successive moderate annual increases.

#### *The Principles as Applied to 2019 Dues*

As shown in the table below, the total revenue from individual and institutional dues exceeds the total net direct costs of the specified membership-related areas by a significant, though margin. Thus the requirements of Principle 1 have been met.

In the near future, we anticipate rising costs, and it is too early to see the results of the strategic plan's initiative on membership development. In accord with Principle 3, it is better to raise dues in small increments over the years rather than to raise them significantly all at once in the future, if dues once again no longer cover the net direct costs of membership activities. It is also important to note that the institutional dues provide other benefits that are a cost to the AMS, such as significant discounts on AMS products. Therefore, showing a significant margin associated with Principle 1 does not imply that AMS is benefitting excessively from institutional dues.

**Dues Revenue and Net Direct Cost of Membership Activities (1,000's)**

<b>Year</b>	<b>Individual Dues Revenues</b>	<b>Institutional Dues Revenues</b>	<b>Net Direct Cost of Membership Activities</b>	<b>Surplus (Deficit) of Revenue over Costs</b>
2016	1,215	1,215	(1,823)	607
2017 Projected	1,192	1,254	(2,090)	356
2018 Budget	1,172	1,283	(2,058)	397
2019- \$196	1,172	1,283	(2,058)	397
2019 - \$200	1,196	1,283	(2,058)	421
2019 - \$204	1,220	1,283	(2,058)	445

Explanatory Notes:

1. Membership Activities under Principle 1 are:
  - a) *Notices & Bulletin*,
  - b) Membership development and administration, and
  - c) Governance
2. The amounts are taken directly from the B-Pages, pages 5 through 7, as presented to the ABC.
3. 2017 dues revenue reflects projected amounts and 2018 dues revenue is as budgeted. The three scenarios presented for 2019 dues assume a paying membership similar to that budgeted for 2018.

Principles 2 and 3 describe the factors to be taken into consideration for the determination of the amount of a dues increase. Shown in the chart at the end of this attachment are the economic data related to growth in faculty salaries and general inflation. The data on salaries relate to the general ability of members and potential members to pay dues with total personal income. It seems prudent for a membership organization to increase dues at the same or slower rate than its members' salaries increase. As of the end of 2016 (the last year of actual data), the cumulative dues increase as of 2017 lags the salary increase in the AMS survey by more than five years. Similar results are seen if one uses the AAUP salary data, although the lag time and differences in the cumulative increases are smaller than the results using the AMS survey.

The data on inflation relate to the ability of members and potential members to pay dues from discretionary income. Again, it seems prudent for a membership organization to maintain the cumulative increase in dues in line with general inflation in the absence of any significant financial needs. It should be noted that dues for year X are generally paid by members in the last quarter of year X-1, so the inflationary effect of dues on discretionary income felt by the individual member is likely somewhere in between the cumulative increase of year X (dues paid during dues year) and X-1 (dues paid in advance).

*Recommendation for 2019 dues*

The staff makes four recommendations regarding individual dues rates:

1. That the salary cutoff for regular high/low rates be raised to \$90,000 for 2019;

Members whose professional income is less than the high/low dues cutoff pay three-fourths of the regular high dues rate (unless they are eligible for more deeply discounted rates). The cutoff was last changed in

2010, when it was increased from \$80,000 to \$85,000. As the chart at the end of this attachment indicates, this is a relatively long time for this figure to remain constant. As a result, even assistant professors may now be paying the “regular high” rate. For example, in 2016-2017, the first quartile salary for assistant professors in mathematics departments in public institutions that have large Ph.D. programs was \$86,700; for new assistant professors, it was \$86,300, and for associate professors it was \$89,300 (<https://www.ams.org/profession/data/annual-survey/2016Survey-FacultySalaries-Report.pdf>). All of these figures are above the current cutoff of \$85,000 but below the proposed cutoff of \$90,000. Raising the high/low cutoff will, for some members, ease the transition from the introductory rate (\$74 for 2018) to the regular rate.

2. That the regular high dues rate for 2019 be \$200;

In keeping with Principle 3, this recommendation would increase the “regular high” dues for 2019 by \$4 over the figure for 2018. Although \$200 may be a psychological barrier for some members, it is a barrier that will eventually have to be crossed. The impact of this change will be mitigated by increasing the high/low dues cutoff to \$90,000. As a result, members earning between \$85,000 and \$90,000 will see a decrease in their dues for 2019.

3. That the dues for affiliate members be increased to \$20 for 2019.

Members living in countries that are ranked by the World Bank as low- or middle-income are eligible for the “affiliate” dues rate. They receive only one privilege journal and must choose between the *Notices* and the *Bulletin*. The rules for this membership category were established in 1992, and the dues for it were set at \$16. They have not changed since that time, even though the regular high dues increased from \$108 to \$196 between 1992 and 2017. When a country moves into the high-income category, members residing there are offered five years of membership at the introductory rate. Raising the affiliate dues rate to \$20 will slightly reduce the “sticker shock” of that transition.

4. That the maximum number of AMS points that may be applied to dues for any year be equal to the number that would be needed, in order to pay that year’s affiliate dues rate.

Currently, members may use up to sixteen AMS points to pay all or part of their dues. In 2016 more than 60% of the affiliate members used AMS points in this way, as did about 15% of those paying one of the “regular” dues rates. If the recommended increase in #3 is approved, then this recommendation would raise to twenty the maximum number AMS points that can be applied to dues. To avoid having to make adjustments whenever the affiliate rate is raised, the staff recommends that these two figures be automatically linked.

*T. Christine Stevens, Associate Executive Director  
Emily D. Riley, Chief Financial Officer  
October 2017*



## AMS Committee on Meetings and Conferences

### Highlights of 2017 Activities

The Committee on Meetings and Conferences (COMC) held its annual meeting on March 18, 2017, at the Hilton Chicago O'Hare Airport Hotel. Monica Nevins, chair, presided.

**Actions** taken by COMC include the following:

**Child Care Grants.** For the last few years, the AMS and MAA have offered reimbursement grants of US\$250 per family to help with the cost of child care for registered participants in the Joint Mathematics Meetings (JMM). The funds can be used for child care expenses from local resources at JMM or for any other form of child care (such as hiring a nanny at home, bringing a caregiver to the meeting, etc.). COMC discussed the possibility of offering child care grants for Sectional meetings, and it unanimously asked the AMS staff to look into this option. Accordingly, the Meetings and Conferences distributed a survey about child care needs at the Fall 2017 Sectional meetings, the results of which will be discussed at the next COMC meeting in March 2018.

**2017 Annual Review – Mathematics Research Communities, Short Courses, and Summer Institutes.** Rebecca Garcia, Monica Nevins (chair), and Alan Reid formed the subcommittee that carried out this review. The subcommittee divided its report into three sections, the first of which covered the Mathematics Research Communities (MRC). The subcommittee deemed the program very successful and noted that the participants felt that the working groups were the most valuable part of the summer conferences. The subcommittee also pointed to areas where improvements could be made, including generating more proposals and attracting a diverse set of participants and organizers. COMC discussed strategies for addressing these problems and voted to organize a panel at JMM 2018 about opportunities provided by collaborative research communities.

The second section of the report dealt with Short Courses. The subcommittee felt that they make a positive contribution to the mathematical community and noted a happy consistency between the instructions given to Short Course organizers and participants' comments about what features make a Short Course successful. Although some Short Courses draw a small number of registrants, those who do register are usually pleased with the event and sometimes cite its small size as one of its virtues. It was suggested that the manual for organizers include the possibility of utilizing "active learning" models. COMC also discussed the role that video recordings or webinars might play in the Short Courses but decided to defer any recommendations until after the Joint Meetings Committee's upcoming discussion of video recordings of invited addresses at JMM.

The third section of the report dealt with the Summer Research Institutes (SRI's) in Algebraic Geometry. These represent a sporadic extension of what had, until 1999, been a regular AMS program of annual SRI's. The topics were chosen by a selection committee, and the program was funded by an NSF grant to the AMS. After NSF support ended, the selection committee had no work to do, and the Council voted in January 2000 to dissolve it. Although the SRI program

no longer existed, the AMS, at the request of groups of algebraic geometers, subsequently applied for NSF funding for SRI's in that subject. As a result, the AMS conducted SRI's in Algebraic Geometry in 2005 and again in 2015. A total of 742 mathematicians from 32 countries attended the 2015 SRI in Algebraic Geometry in Salt Lake City, Utah.

The subcommittee expressed serious reservations about the paucity of women among the speakers at the 2015 SRI. COMC also asked whether it was appropriate for the AMS to sponsor SRI's in just this one field, and it wondered whether three-week conferences were as relevant now as they were when the SRI program last flourished in the 1990s. After this discussion, COMC unanimously passed a motion recommending to the Council that the SRI program be discontinued. Since the selection committee for the SRI's had already been dissolved, COMC is working with the Secretary's office to determine the precise wording of its recommendation to the Council.

***COMC Panel at JMM 2018:*** As noted above COMC is sponsoring a panel about *Collaborative Research Communities in Mathematics*, scheduled at 2:00 – 3:30 p.m. on Wednesday, January 10, 2018. It was organized by Alan Reid and Irina Mitrea, and the panelists are: Sam Ballas, Florida State University; Ruth Charney, Brandeis University; Brian Conrey, American Institute of Mathematics; and Satayan Devados, University of San Diego.

***Meetings and Conferences in Cooperation with the AMS.*** At its meeting in March 2016, COMC recommended to the Council that the program of “Meetings in cooperation with the AMS” be discontinued. It then passed an additional recommendation stating that, “In truly exceptional circumstances, the Secretariat may recommend to the Executive Committee that AMS participate in a meeting or conference in some form, with appropriate information about this possibility being posted on the AMS website.” In January 2017 the Council approved the first of these recommendations, thus ending the program of “Meetings in Cooperation with the AMS.” The Council rejected the second recommendation and left it to COMC to bring another proposal forward if, upon reconsideration, COMC so desired. COMC decided that it did not wish to do so.

***Possible AMS Website for Information about Conferences.*** COMC discussed the idea of an ArXiv-like platform for conferences that would be hosted by the AMS, and it established a subcommittee comprising Pierre Albin (chair), Ivan Corwin, Niles Johnson, and Bryna Kra to study the idea further. They prepared a proposal which was circulated to COMC by email and will be discussed at its meeting in March 2018.

***Prize Venues.*** An agreement between the AMS and the Mathematical Association of America limits the number of prizes that may be given at the Joint Prize Session at the Joint Mathematics Meetings. Since the AMS is in the process of creating new prizes, it may become necessary to award some prizes in venues other than the Joint Prize Session, and a joint subcommittee of CoProf and COMC was created to deliberate about the issue of prize venues. The members of that subcommittee were Richard Durrett and Christina Sormani from COMC and Alicia Dickenstein and Bryna Kra (Chair) from CoProf. COMC discussed the subcommittee's report and brainstormed about alternate venues for awarding prizes.



**2018 Annual Review.** As the topic of its next Annual Review, COMC chose the AMS scientific program at JMM. The review will be conducted by a subcommittee comprising Christina Sormani (chair), Wen-Ching Winnie Li, and John Lowengrub.

**Review of von Neumann Symposium.** At the request of staff, COMC also created a subcommittee to review the von Neumann Symposium, which last took place in 2016. Since it is scheduled to occur again in 2020, this seemed like an appropriate time for COMC to examine the program. The subcommittee has two members: Rebecca Garcia (chair) and Monica Nevins.

### ***Other activities***

COMC received and discussed several reports, including ones on JMM 2016, AMS Activity Groups, travel grants, and the 2016 von Neumann Symposium. In response to a request from a member of the mathematical community, COMC also discussed the way in which speakers for invited addresses at Sectional meetings are chosen. Within the constraints imposed by the way Sectional meetings are structured and organized, COMC discussed possible activities at Sectional meetings that might promote membership in AMS and diversity in the mathematical community.

**2018 COMC Meeting.** The next meeting of COMC will be held on March 24, 2018, at AMS Headquarters in Providence.

*T. Christine Stevens  
Associate Executive Director  
December, 2017*

Committee Members: Pierre Albin, Rebecca Garcia, Bryna Kra, Wen-Ching Winnie Li, John Lowengrub, Irina Mitrea, Monica Nevins, Alan Reid, Kenneth Ribet, Catherine Roberts, Carla Savage, Christina Sormani



**American Mathematical Society  
Committee on Science Policy Meeting  
April 4-5, 2017  
Washington, DC**

**Summary**

The Committee on Science Policy (CSP) met over two days with presentations on the federal budget process, current legislative outlook and grassroots advocacy. The committee also spent a good deal of time considering the committee's charge and focus of activities. Committee Chair Scott Wolpert began the meeting by outlining the agenda for the meeting and welcoming all participants.

Karen Saxe (new Director of the AMS Washington Office) kicked-off the meeting by introducing the AMS Washington Office and describing its goals, work and responsibilities. The office connects the math community with policymakers in Washington, working on issues such as funding for mathematics research, open access, education and immigration. She also updated the committee on the status of scientific Administration appointments of interest – there is currently no person identified for director of the White House Office of Science & Technology Policy (OSTP); France Córdova will stay on as director of NSF.

***Kei Koizumi***

***American Association for the Advancement of Science (AAAS)***

Kei Koizumi discussed the federal budget and appropriations process. He reported that Congress has still not settled the budget for FY2017 (which runs from October 1, 2016 through September 30, 2017). Currently, there is a Continuing Resolution (CR) in place until April 28 funding almost all agencies at last year's levels. Moving forward on FY2017, Congress will either need to write and pass individual appropriations bills for the rest of FY2017, pass an omnibus package covering all appropriations in one bill, extend the CR until the end of the fiscal year or come to no agreement and cause a shutdown. He feels the most likely scenario would be a hybrid whereby some agencies would get a CR and others would get appropriated.

Koizumi also talked about the President's so-called "skinny budget" for FY2018 that came out a few weeks ago. This budget request would cut 10% or \$50 million from domestic programs and shift the money to spend on defense. Across the board, many science agencies are looking at big cuts, but there was no information on the National Science Foundation (NSF) in this budget.

The President's annual budget request is merely a proposal. Congress always has different priorities than the President so the work in passing a budget each year is in negotiation and compromise. The detailed budget for FY2018 is due to come out in early May and should contain real numbers and details on how cuts will be allocated. There has been no specific information on this budget as yet. Koizumi felt it highly unlikely that the FY2018 budget process will be complete by October 1 when the fiscal year begins.

***Catherine Paolucci***

***Office of Senator Al Franken (MN)***

***AMS Congressional Fellow 2016-17***

Catherine Paolucci began her presentation by talking about the AAAS Science & Technology fellowship program, explaining the different types of fellowships, their size and focus. She highlighted the need for more mathematicians to apply for these fellowships noting that mathematics is underrepresented among other scientists in this program with only 2 of 250 fellows this year. She then discussed the

Congressional Fellowship program specifically and talked about her own experience supporting Senator Al Franken (MN).

Paolucci then provided her insight into holding effective meetings with Congressional representatives on Capitol Hill. She talked about the importance of being clear and specific in what you're asking for, of providing real stories that support your "ask" and creating an ongoing relationship with your Representative's office.

***Jennifer Wickre***

***House Committee on Science, Space & Technology***

***Subcommittee on Research and Technology***

Jenn Wickre provided an introduction to the House Science, Space & Technology committee. She described the makeup of the committee, its jurisdiction and its priorities. She talked about a few laws passed in the 114<sup>th</sup> Congress including the American Innovation and Competitiveness Act (AICA) and the STEM Education Act. Also, the INSPIRE Act and Promoting Women in Entrepreneurship Act, just passed in Feb 2017 and focused on supporting women in STEM programs at NSF and NASA.

Wickre then looked at priorities for research and technology in the 115<sup>th</sup> and current Congress. In addition to prioritizing STEM education this year, Congress will work on the reauthorization of NSF and NIST, oversight of the implementation of AICA, and cybersecurity. There have already been hearings on strengthening U.S. cybersecurity capabilities and future opportunities and challenges at NSF. Upcoming hearings on other research and technology issues will likely include elimination of indirect costs on federal grants, particularly at the National Institutes of Health (NIH), as a means to maximize money provided for research.

***Grassroots Advocacy***

Anita Benjamin, Assistant Director of the AMS Washington Office, presented information on plans for the AMS Grassroots Advocacy Network. She spoke about the approximately 4,000 self-selected members of this network and how the AMS Washington Office plans to confirm and update their records so as to activate the network to advocate for the interests of mathematics and mathematicians on the grassroots level. She also spoke about work that is being done on the AMS website to create easily accessible resources for advocacy efforts, including the possible purchase of grassroots advocacy software that could help conduct and manage online advocacy campaigns.

Karen Saxe also presented an idea from Scott Wolpert of an "advocacy action of the month" whereby anyone through the AMS website, but especially the AMS Grassroots Advocacy Network, would be asked to do one thing each month of the year. She provided a few ideas for a few months of the year and asked the committee to work on other months to complete the twelve months of advocacy.

***Committee Business***

***1) Reconsideration of the Committee on Science Policy Charge***

Catherine Roberts led a discussion on the charge and direction of the Committee on Science Policy. She spoke about the current charge, how it was authorized and the prescribed activities of the committee. This review of the current charge is to determine whether the committee is operating in a way that is most helpful to the AMS, the Council and its members.

Carla Savage talked about the five AMS policy committees, speaking specifically about the Committee on Science Policy and the Committee on Education, both of which liaise with the AMS Washington Office. She explained that the other three policy committees have a portfolio of programs created by the Council for oversight by the committees, yet CSP and COE do not. Council has not created any programs or initiatives for CSP or COE, another reason it may be appropriate to re-visit the CSP committee charge. Also, some programs might actually fit better in the portfolio of another committee, for instance perhaps the Human Rights Committee would fit better under CSP for periodic review rather than the Committee on the Profession. CSP could

make a case for moving it. It was also discussed whether the AMS Congressional Fellowship program should be reviewed by CSP every four years or so. So it's a good time to review these committee charges.

The committee also discussed the importance of it making Hill visits each year. It was thought that perhaps it would be more effective to have the committee interact with Council on science policy issues and leave the Hill visits, for the most part, to groups brought in when necessary and most beneficial depending on timing, and to utilize the Grassroots Advocacy Network to make many and targeted visits throughout the year. Of course, the committee could also do Hill visits but it wouldn't have the same kind of impact as a larger effort.

The committee reviewed the tenets of the current committee charge and made some suggestions of possible changes, including adding a descriptive opening paragraph and a review of the AMS Congressional Fellowship on a periodic basis. CSP chair Scott Wolpert will form a subcommittee to review the charge and make recommendations to CSP at its 2018 committee meeting and then ultimately to the Council in 2018. A subcommittee to be headed by Talitha Washington and including Doug Mupasiri and Mary Pugh was named to review the congressional fellowship for next year's meeting.

There was also some discussion about there not being a mechanism for reporting what happens at the CSP meeting getting back to the society at large. It was suggested that perhaps the committee could write a report and/or articles for the *Notices*. Secretary Carla Savage offered the secretary's section of the *Notices* for this purpose. Karen Saxe suggested also using "Capital Currents" blog to relay information to the society. Other suggestions were for Catherine Paolucci, current AMS Congressional Fellow, to write an article for the *Notices* or for the blog on how to hold effective meetings with Congressional representatives and also for committee members to act as team leaders for Hill visits, especially for those involving bringing students to Washington, DC.

2) ***Proposal for Expedited Consideration on Matters Affecting the Status of Mathematics and Mathematicians***

The committee entertained a proposal brought forward by Scott Wolpert regarding accelerating the process by which matters affecting the status of mathematics and mathematicians are brought to the Council, including science policy matters, national/state science/mathematics funding, visas and mathematics education. The Society may deem it appropriate to respond to such actions as issuing public statements, signing petitions and in special circumstances joining legal actions. The Society Bylaws provide for such considerations, although the standard procedure has a six month time frame. The proposal brought forward for consideration reads:

***On a one year renewable basis, the Council delegates to the Executive Council the authority to fully consider matters affecting the status of mathematics and mathematicians, when it is not practical or timely for the Council to consider such matters. As practical, the President should seek input and advice from the Society's professional staff and the appropriate committees. Advice may be garnered from email communications.***

Wolpert provided some background information on why the proposal is being brought forward for consideration. It was borne out of the travel ban instituted by President Trump earlier this year and how the AMS might want to respond to matters such as this and other potential future issues in a more timely way than is afforded by the current ByLaws. The proposal is based on Article IV of the ByLaws which describes what the Council does and how it functions, Section 8 of Article IV is a specific procedure about Council making a statement on behalf of the Society. Also, Section 7 of Article IV gives the possibility of Council giving the Executive Committee authority to act on matters in between Council meetings and the Executive Committee can act on a shorter timeline than the Council. The proposal is to request that the Council, for some interim period, invoke Section 7 and give the Executive Committee this authority.

Secretary Carla Savage stated that the intention of the ByLaws in Section 8 was not to delegate such authority to the Executive Committee. The process by which the Council is able to take action on behalf of the Society is very precise and prescriptive in this section, so much so that it cannot be interpreted to allow such delegation of authority. Therefore, the proposal as it was presented is mute. Scott Wolpert thus withdrew the proposal from consideration.

The committee continued to discuss ways that the AMS may be able to act on an important matter and take action more quickly. However, there is not a clear way for any entity other than the Council to take action on behalf of the Society. The recent Board of Trustees statement issued in response to President Trump's travel ban can even be interpreted as being a formal AMS statement rather than only citing the opinions of the individuals that make up the Board of Trustees (BT) or of the BT alone.

The committee reviewed a statement by the Council from 1996 on illegal immigration. This resolution was considered by Council over a period of time and then approved. The process is a slow and deliberate one on purpose. So rather than ask the Council to review the proposal presented at this CSP meeting, it was decided that CSP would submit for Council approval a request to reaffirm the resolution it adopted in 1997 regarding immigration to read:

***The Council reaffirms its policy on immigration, adopted in March of 1997.***

***Mathematical sciences profit enormously from unfettered contact between colleagues from all over the world. The United States is a destination of choice for international students who wish to study mathematics; the US annually hosts many conferences attracting global participation. Our nation's position of leadership in mathematics depends critically upon open scientific borders. We urge our colleagues to support efforts to maintain the international collegiality, openness, and exchange that strengthens the vitality of the mathematics community, to the benefit of our nation and the world.***

Scott Wolpert moved that this proposed statement reaffirming Council's resolution of March 1997 be sent to Council for its April 29 meeting agenda. The motion was seconded by Doug Mupasiri and passed unanimously.

### ***AMS Branding Update***

Catherine Roberts updated the committee on the AMS Strategic Plan's branding effort. The Advocacy, Awareness & Visibility initiative within the strategic plan calls for the creation of new and consistent branding across the society. The team specifically charged with addressing this branding effort has been collecting data and the AMS has hired a professional company, TBI (The Big Idea), to help synthesize this information to capture the essence of the society, how we perceive ourselves and how others perceive us. The branding team continues to meet and will review logo designs and tag lines soon. A report on this effort will be brought to the ECBT at its spring 2017 meeting.

### ***Date of Next Meeting***

The 2018 Committee on Science Policy meeting is scheduled for Tuesday, April 10 and Wednesday, April 11, 2018 in Washington, DC.

Submitted by Anita Benjamin  
American Mathematical Society  
Submitted April 25, 2017

CSP Members: Terrence Richard Blackman, Robert Bryant, Peter DesBarres March, Anna Mazzucato, Kelly McKinnie, Douglas Mupasiri, Mary Pugh, Kenneth Ribet, Catherine Roberts, Carla Savage, Francis Edward Su, Karen Vogtmann, Talitha Washington, Howard Weiss, Scott Wolpert

From the Committee Chair, Scott Wolpert (October 8, 2017):

In the spring the committee submitted a draft statement to the Council reaffirming the Society's 1997 statement on the importance of open scientific borders and immigration to mathematics. The statement was approved by the Council. In the fall the chair consulted with the Director of the Washington Office on proposing names for the CoSTEM and PCAST panels that are staffed by the White House Office of Science Technology Policy. The Director has begun working with committee members to begin a review of the Society's congressional fellows program. The Director and Chair worked together to make arrangements for the panel "Funding at the Federal agencies & advocacy for grassroots support". Also there is a tentative plan for the committee to propose updated wording to its charge.





**Draft Statement of the AMS and ASA on  
Drawing Voting Districts and Partisan Gerrymandering: Preparing for 2020  
November 2017**

The act of drawing voting districts is vital to the functioning of American democracy. To comply with societal desires and legal mandates, voting districts must adhere to certain political and geographical requirements—such as geographic compactness, respect for city and county boundaries, and compliance with the Voting Rights Act—as well as one-person-one-vote principles.

Specifying the requirements for districts is a matter of policy and law, and is largely left to the states' discretion. However, once those requirements are set, making voting districts that comport with them is fundamentally a problem in mathematics and statistical science: one quantifies the requirements and ensures the drawn districts have acceptable values. Policymakers and courts decide what constitutes acceptable values.

Policymakers, the press, and American citizens have increasingly challenged the way some voting district plans are created. Recently—and in part due to the 2017 Supreme Court case *Gill v. Whitford*—they are concerned that voting district plans are designed purposefully to unfairly favor partisan outcomes, a practice called partisan gerrymandering. Deciding partisan gerrymandering claims is ultimately a political and legal matter. However, there is widespread agreement that claims of partisan gerrymandering should be based, in part, on quantitative evidence. To help policymakers and the courts marshal and understand such evidence, the mathematics and statistical science communities have developed standards and methods for measuring the fairness of voting district plans.

Because of the fundamental role of mathematical and statistical science in drawing voting district plans, the American Statistical Association (ASA) and American Mathematical Society (AMS), two of the leading associations in the world for statisticians and mathematicians, attest to the following facts:

**FACT 1: Existing requirements for districts generally do not prevent partisan gerrymandering.**

In most states, a large number of voting district plans satisfy existing political and legal criteria, such as equal population size and compactness. Typically, some of these plans give one party a large advantage in the number of election seats it is likely to win, while other plans are neutral (i.e., they do not give unfair advantage to any party). These statements are supported by many peer-reviewed papers and scientific reports, including those listed in the references below. We note that some states, for example California, are required by law to create neutral district plans.

**FACT 2: It has become easier to design district plans that strongly favor a particular partisan outcome.**

Current predictive techniques and computing power, coupled with detailed data on voters, make it possible to predict the likely seat outcomes of proposed districting plans with high confidence. This fact is reflected in the growing use of big data and the increased role of predictive modeling of voting outcomes by election campaigns (e.g., Gelman and King, 1994; Nickerson and Rogers, 2014; Imai and Khanna, 2016). Using these tools, legislators easily can draw district plans that satisfy political and legal criteria, yet also are highly likely to result in one party winning a disproportionate share of the elections relative to the number of people who voted for that party.

**FACT 3: Modern mathematical, statistical, and computing methods can be used to identify district plans that give one of the parties an unfair advantage in elections.**

The same capabilities that allow legislators to make gerrymandered district plans can be used to identify voting district plans that give one of the parties an unfair advantage. A key step is to specify metrics that illuminate the partisan nature of proposed plans. This can be done using the standard of partisan symmetry (King and Browning, 1987). Conceptually, we ask what would happen to seat allocations (i.e., the number of seats each party wins) for a proposed or actual voting district plan under a wide variety of plausible scenarios for voters' decisions. For example, consider a district plan where Party A would win 17 out of 20 contested seats when 55% of votes are for Party A and 45% are for Party B. The plan is considered fair (symmetric) when Party B also would win 17 out of 20 seats when (e.g., in another election under the same redistricting plan) it gets 55% of the vote. But, the plan is considered unfair (also called asymmetric or biased) when, for example, Party B would win only 10 out of 20 seats when it gets 55% of the vote.

The scientific literature has established multiple measures of the partisan asymmetry in voting district plans (Grofman and King, 2007); the efficiency gap is one example (McGhee and Stephanopoulos, 2015). To compute measures of partisan asymmetry, one approach is to use data from previous elections and statistical modeling to estimate the seat allocations for plausible scenarios. A second approach is to generate a wide range of viable alternative voting district plans, each of which satisfies existing political and legal requirements such as equal population, compactness, etc. One then computes one or more measures of partisan asymmetry for each alternative plan using, for example, voting data from recent elections. A proposed plan is considered to have partisan bias when its values of the fairness measures are highly unusual compared to values for the alternative plans. The references listed below offer additional approaches and metrics. These methods also have been used to determine deviations from partisan symmetry from the plan alone, before the election has been held.

The AMS and ASA do not endorse any one approach or metric for measuring fairness of voting district plans. The appropriate measure, or measures, should be determined by policymakers

and the courts. We do urge, however, that mathematics and statistical science be employed to evaluate the fairness of district plans. Further, we note that open and transparent research practices have facilitated more robust, reliable, and accepted findings involving mathematics and statistical science. We believe such openness and transparency could benefit the processes for evaluating and drawing voter districts.

### Final Remarks

As Americans continue this deeply important conversation about gerrymandering, the AMS and ASA stand ready to offer our collective expertise however it can help American citizens, the courts, and policymakers to strengthen our democracy.

The **American Mathematical Society**, founded in 1888, is a nonprofit membership organization that promotes interest and research in mathematics through its publications, meetings, programs, services, advocacy, and outreach activities. The AMS has 30,000 individual and more than 500 institutional members worldwide. For additional information, please visit the AMS website at [www.ams.org](http://www.ams.org). Contact: AMS Washington Office Director Karen Saxe, [kxs@ams.org](mailto:kxs@ams.org).

The **American Statistical Association**, founded in 1839, is the world's largest community of statisticians and the oldest professional science society in the United States. Its members serve in industry, government, and academia in more than 90 countries, advancing research and promoting sound statistical practice to inform public policy and improve human welfare. For additional information, please visit the ASA website at [www.amstat.org](http://www.amstat.org). Contact: ASA Director of Science Policy Steve Pierson, [pierson@amstat.org](mailto:pierson@amstat.org).

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## Speaking in the name of the American Mathematical Society

Excerpt from the AMS Bylaws:

*Article IV, Section 8. **The Council shall also have power to speak in the name of the Society** with respect to matters affecting the status of mathematics or mathematicians, such as proposed or enacted federal or state legislation; conditions of employment in universities, colleges, or business, research or industrial organizations; regulations, policies, or acts of governmental agencies or instrumentalities; and other items which tend to affect the dignity and effective position of mathematics.*

*With the exception noted in the next paragraph, a favorable vote of two-thirds of the entire membership of the Council shall be necessary to authorize any statement in the name of the Society with respect to such matters. With the exception noted in the next paragraph, such a vote may be taken only if written notice shall have been given to the secretary by the proposer of any such resolution not later than one month prior to the Council meeting at which the matter is to be presented, and the vote shall be taken not earlier than one month after the resolution has been discussed by the Council.*

*If, at a meeting of the Council, there are present twelve members, then the prior notification to the secretary may be waived by unanimous consent. In such a case, a unanimous favorable vote by those present shall empower the Council to speak in the name of the Society.*

*The Council may also refer the matter to a referendum of the entire membership of the Society and shall make such reference if a referendum is requested, prior to final action by the Council, by two hundred or more members. The taking of a referendum shall act as a stay upon Council action until the votes have been canvassed, and thereafter no action may be taken by the Council except in accordance with a plurality of the votes cast in the referendum.*



**American Mathematical Society  
Committee on Education Meeting  
October 26-28, 2017  
Washington DC**

**Summary Report**

The focus of this year's Committee on Education meeting was on preparing graduate students for teaching-focused and non-academic jobs. The meeting itself consisted of presentations and discussions over a day and a half. Attendees included a number of chairs of departments of mathematics from across the country. Douglas Mupasiri, Chair of COE, introduced the speakers and facilitated the meeting.

**MAA Overview: CoMinDS and PIC Math**

Doug Ensley (Mathematical Association of America) introduced two MAA programs to attendees – “College Mathematics Instructor Development Source” (CoMinDS) and “Preparing Students for Industrial Careers” (PIC Math). Additionally, he spoke to the group about the “Progress through Calculus” (PTC) program.

CoMinDS provides an online resource suite of instructional materials and research products related to Teaching Assistant professional development. PIC Math prepares mathematics students for industrial careers by engaging them in research problems from business, industry and government. The PTC program is a three-part survey of department chairs at all U.S. graduate-degree granting institutions that looks at courses in mainstream pre-calculus/calculus sequence; enrollment data for courses; and departmental practices to support pre-calculus/calculus sequence.

**Revitalizing Graduate STEM Education for the 21<sup>st</sup> Century**

Layne Scherer (National Academies of Science, Engineering, and Medicine - NAS) is the study director for the committee on *Revitalizing Graduate STEM Education for the 21<sup>st</sup> Century*, a report by NAS that looks at: the state of graduate STEM education in the U.S.; how can we improve career outcomes for students (and employers); how does graduate education funding affect students; how can we foster strong mentoring in graduate education; how are graduate education and graduates responding to globalization; how is graduate education changing; and how can we make sure this report has national impact.

Scherer discussed input the committee has received from public comment at listening sessions and from presentations thus far. Key themes include student infrastructure and policies, graduate student data, careers and competencies, degree experience and buy-in. She referred the group to the previous publication *The Mathematical Sciences in the 2025* which emphasizes that most careers in the near future will require very strong mathematical and science backgrounds. This means that academic mathematical scientists will need to prepare students for this regardless of their degree choice.

The final open session on this report will be held on November 7, 2017. The report will then be developed and is expected to be released in 2018.

**A Report from the AMS Education and Diversity Department**

Helen Grundman (American Mathematical Society) began her presentation on the new AMS Education and Diversity Department by talking about AMS strategic planning and how it contributed to the creation of this new department. The department seeks to promote diversity and inclusion at all stages of the mathematics ‘pipeline.’ Its initial focus is on graduate education in the mathematical sciences including the preparation of students entering graduate school, the mentoring of students for success and the promotion of diversity and inclusiveness at the graduate level.

Grundman reported on department activities and initial goals, visibility and participation with other groups, as well as ongoing AMS inclusion initiatives and external funding opportunities.

### **Teaching the Future Professoriate: Clarkson University's Summer Institute for Teaching Assistants**

Catherine Snyder and Peter Turner (Clarkson University) spoke to the group about Clarkson University's Summer Institute for Graduate Teaching Assistants. They talked about the development of the program, including the rationale behind it and its pilot program and timeline. The pilot program for this intensive "boot camp" started in 2016

The program is designed specifically to address the needs of teaching assistants. It is a four week curriculum that focuses on 1) STEM literacy including fundamentals of planning, assessment, methods, and student interaction; 2) STEM teaching methods including strategies for helping students deconstruct text, identifying literacy needs and common misconceptions, scaffolding of instruction and differentiation; 3) STEM teaching lab which allows them to practice teaching with peer and instructor feedback; and 4) professional communications including career planning, professional dispositions and communication skills.

The pilot program for this intensive "boot camp" launched in 2016 and is mandatory for all TAs in the School of Arts and Sciences at Clarkson. However, in summer of 2018 the program will open up to students from other colleges and universities, and will include early career faculty (especially in engineering) as well.

### **NSF-EHR Opportunities for Graduate Training in Mathematics**

Tara Smith (NSF-EHR/DGE) and Ron Buckmire (NSF-EHR/DUE) began their presentation by giving a brief overview of the National Science Foundation (NSF) and the Directorate for Education and Human Resources (EHR) in particular. They outlined a number of programs in the EHR Division of Undergraduate Education (EHR-DUE) and the EHR Division of Graduate Education (EHR-DGE).

Buckmire presented to the group some opportunities that impact graduate students in the Division of Undergraduate Education including STEM education programs like S-STEM (Scholarships in STEM) and IUSE: EHR (Improving Undergraduate STEM Education), cross directorate STEM education programs like IUSE: HIS (Improving Undergraduate STEM Education in Hispanic-Serving Institutions) and other programs like LSAMP: BD (LSAMP Bridge to the Doctorate) and AGEP (Alliance for Graduate Education and the Professoriate).

Tara Smith talked about trends in U.S. graduate education and discussed NSF goals related to STEM workforce development, including investments in graduate education. The Division of Graduate Education has a number of programs to prepare students in STEM fields including NRT (NSF Research Traineeship Program), IGE (Innovations in Graduate Education), GRFP (Graduate Research Fellowship Program), SFS (CyberCorps Scholarships for Service), and ECR (ECR-Workforce Development).

### **NSF priorities for training graduate students and associated DMS funding opportunities**

Nandini Kannan and Matt Douglass (NSF-MPS/DMS) presented information on the programs in the Division of Mathematical Sciences at NSF-MPS. Douglass talked about the INCLUDES program (Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science).

NSF INCLUDES is a national initiative that seeks to enhance U.S. leadership in science and engineering discovery and innovation by developing STEM talent from all sectors and groups in society. The objective of this program is to develop and bring together representative organizations and consortia from



different sectors that will position inclusion and equity as core values for excellence in STEM and make the science and engineering workforce better reflect the diversity of U.S. society.

Kannan presented information on the NSF's ten Big Ideas of which the INCLUDES program is one. Other research ideas in which mathematics can play a key role are Harnessing the Data Revolution, Understanding the Rules of Life and the Quantum Leap. Kannan also discussed TRIPODS (Transdisciplinary Research and Principles of Data Science) and that program's desire to get more proposals from the mathematics community.

Introduced in 2016, Big Ideas identifies areas of national importance for future investment at the frontiers of science and engineering. See <https://www.nsf.gov/about/congress/115/10bigideas.jsp> for more on The Big Ideas.

### **EDT: Math to Industry Boot Camp**

Dan Spirn (Institute of Mathematics and its Applications/University of Minnesota) began by presenting information on the tightening job market for math PhDs in academia. He talked about past programs at the Institute of Mathematics and its Applications (IMA) and how the Math-to-Industry Boot Camp is different from other Enhanced Doctoral Training programs.

The Math-to-Industry Boot Camp is an intense six-week summer session designed to provide graduate students with training and experience intended to help them gain employment outside of academia. The program is targeted at PhD students in pure and applied mathematics. The boot camp consists of technical and soft skills training, as well as team projects including those sponsored by industry participants.

### **Being a professor at a teaching-oriented college or university: What every graduate advisor/director needs to know**

Suzanne Dorée (Augsburg College), Katherine Stevenson (California State University), Robert Mignone (College of Charleston) and Karen Saxe (AMS Washington Office Director, Macalester College) participated in this panel discussion on excellence in teaching.

Dorée introduced the panel members who each then described their institutions, departments, programs, students and faculty. Panelists represented a diverse mix of institutions and described how their departments deal with issues surrounding teaching, including providing aspects of excellent teaching, examples of pedagogies and how teaching is evaluated for tenure promotion. The panel looked at different ways to assess excellence in teaching, including teacher evaluations, classroom visitation and student outcomes.

### **Issues Resulting from Reliance on Non-Tenure Track Faculty at GVSU**

Karen Novotny (Grand Valley State University) began her presentation by describing Grand Valley State University, its students and faculty. She discussed the categories of faculty (tenured/tenure track, affiliates, visitors and part-time adjuncts) in the mathematics department and their workloads, as well as the majors and courses.

Novotny discussed the challenges of managing workloads with an inadequate number of tenured/TT faculty who must teach most of their calculus classes, in addition to the upper level mathematics courses, because other faculty are not qualified to do it.

She explained that due to the makeup of their teaching staff, the university has three main issues: 1) without more tenured/TT faculty, foundation and calculus courses must be taught primarily by contract faculty who aren't trained in advising, have no long term commitment to the institution and are unlikely to establish important student-faculty relationships; 2) all mentor and support new TT faculty and share the service load, but there is too much work and not enough workers; 3) it is hard to find qualified part-time adjuncts due to low pay and ACA restriction on the number of credit hours they can teach.

This kind of faculty pressure and resulting service overload is a very big problem that is causing the department to miss opportunities for recruiting students into math majors.

**Educational Activities at the NASEM Board on the Mathematical Science and Analytics**

Ben Wender (Board on Mathematical Sciences and Analytics) began his talk by giving a brief history of the National Academies of Sciences, Engineering and Medicine (NASEM). He explained that NASEM provides advice to the federal government to inform sound policy making and is organized by divisions focused on broad topic areas. It acts as an interface between researchers and the broader policy making community and is not part of the federal government but rather a private, non-profit organization.

NASEM is loosely organized into 8 divisions, only one of which is focused on mathematics. The Board of Mathematical Sciences and Analytics (BMSA) is one of many boards in this division. BMSA and CATS (Committee on Applied and Theoretical Statistics) are the two boards representing the mathematical sciences and are tasked with promoting and advancing their fields. They have published a number of reports.

Wender spoke about two ongoing education-focused activities at BMSA and CATS. One is “Envisioning the Data Science Discipline: The Undergraduate Perspective,” funded through NSF and which seeks to describe what data science education should look like in 20 years if there were no constraints. Its final report is due out in early 2018. The other project is “The Data Science Education Roundtable,” funded predominantly by the Moore Foundation and which seeks to strengthen ties between industry and academia (the American Statistical Association is a sponsor). There was some discussion on whether the AMS should consider being a sponsor of this project. The committee also discussed more participation by AMS in NASEM activities and potential sponsorship of future projects.

*Submitted by Anita Benjamin  
Assistant Director, AMS Washington Office  
November 13, 2017*

**Committee Members:**

- Matthew Baker, Georgia Institute of Technology
- Suzanne Dorée, Augsburg College
- John Ewing, Math for America
- Erica Flapan, Pomona College
- Manmohan Kaur, Benedictine University
- Douglas Mupasiri, University of Northern Iowa (CHAIR)
- Kenneth A. Ribet, University of California-Berkeley
- Catherine A. Roberts, American Mathematical Society
- Carla D. Savage, North Carolina State University
- Joseph H. Silverman, Brown University
- Katherine F. Stevenson, California State University
- Ravi D. Vakil, Stanford University
- Diana White, University of Colorado-Denver
- Scott Wolpert, University of Maryland

**Committee on the Profession  
Annual Report  
2017**

The Committee on the Profession (CoProf) held its annual meeting on October 14-15, 2017, at the Hilton Chicago O'Hare Airport. Fadil Santosa, University of Minnesota, chaired the meeting. There was a very full agenda, the highlights of which are summarized below.

***Agenda items that were endorsed by CoProf and will be taken to the Council for consideration:***

- **Human Rights of Mathematicians:** CoProf's annual review, conducted by a subcommittee, dealt with the Committee on Human Rights of Mathematicians (CHRM). It focused on whether CHRM should continue to exist and, if so, what the scope of its concerns and powers should be. CoProf approved a revised charge for CHRM that expands its scope to include human rights violations wherever they occur, and it recommended that the AMS state that it considers sexual orientation and gender identity to be covered by the Universal Declaration of Human Rights. CoProf also recommended a change in the AMS Policy on a Welcoming Environment that adds "immigration status" to the list of categories with respect to which participants in AMS activities should not be discriminated against. The members of the subcommittee were Robert Bryant, David Savitt (chair), and Jeremy Teitelbaum.
- **AMS Mary P. Dolciani Prize for Excellence in Research:** CoProf recommended that the Council approve this new prize, which would be awarded to a mathematician from a primarily undergraduate institution. CoProf also endorsed the creation of a selection committee for the prize and approved its charge.
- **Nominating Committee (NomCom):** CoProf approved several changes to the NomCom charge and recommended that the Council do the same.
- **Statistics on women mathematicians:** Each year, as required by a motion passed by the Council in 1985, the *Notices* publishes "information on the relative number of men versus women" in several categories, such as speakers in Special Sessions at AMS meetings. CoProf recommended that the Council reframe the question in terms of demographic information, rather than information about "men versus women."
- **Joint Data Committee:** CoProf endorsed changes in the charge of the AMS-ASA-MAA-SIAM Data Committee that update its principal activities and slightly alter its membership.
- **Bôcher, Cole, and Veblen Prizes:** The Prize Oversight Committee (POC) reported the results of its review of the charges of the selection committees for these three prizes, and CoProf approved several changes in them. The members of the Prize Oversight Committee were Bryna Kra, David Savitt (chair), and Suzanne Weekes.

- **Award for Distinguished Public Service:** CoProf endorsed changes in the charge of the selection committee for this award. Those changes had been recommended by the committee and by the Secretary.
- **Employment Services Advisory Board:** CoProf voted to recommend that this committee be dissolved, since it had been inactive and had no work to do.

*Other actions taken by CoProf:*

- **Site visit program to improve the departmental climate for women and minorities:** The American Physical Society (APS) has programs under which institutions can request “site visits,” for the purpose of improving the climate for women and minorities. CoProf discussed the report of a subcommittee that studied the possibility that the AMS develop a similar program. The subcommittee will defer making a recommendation to CoProf until it has had an opportunity to observe an APS site visit. The members of the subcommittee are Pamela Gorkin, Christine Heitsch, Monica Jackson, Hal Sadofsky, and Fadil Santosa (chair).
- **Open-access policies:** At its meeting in September 2016, CoProf voted to form a joint subcommittee with the Committee on Publications (CPub) to study open access policies and to determine whether any steps should be taken to raise awareness among mathematicians or provide guidelines for dealing with these issues. CoProf discussed the subcommittee’s report and recommended that the subcommittee write a readable article for the *Notices* about this topic. The CoProf representatives on this subcommittee are Alicia Dickenstein and John McCleary, and the CPub representatives are Henry Cohn (chair) and Ilya Kapovich.
- **Maryam Mirzakhani Memorial:** CoProf discussed ways in which the AMS might honor Maryam Mirzakhani and voted to suggest to the Committee on Meetings and Conferences the possibility of naming one of the AMS invited addresses at the Joint Mathematics Meetings after her. This suggestion will also be discussed by the Secretariat.
- **Prize Oversight Committee:** For the coming year, this standing subcommittee of CoProf was charged with exploring strategies for increasing the number of nominations for AMS prizes and awards. Subcommittee members include John McCleary and Jeremy Teitelbaum.
- **Annual review for 2018:** CoProf chose the Committee on Professional Ethics (COPE) as the topic for its annual review in 2018. A subcommittee comprising Gregory Lawler, Carla Savage, Jeremy Teitelbaum (chair), and a member of COPE will review COPE’s charge. In the meantime, CoProf voted to recommend to COPE that it function only in an advisory role when people come to it with disputes and that it should not be involved in mediation or conflict resolution.
- **Mathematics Programs that Make a Difference (PTMD):** This award recognizes programs that succeed in bringing and keeping “more persons from underrepresented backgrounds into some portion of the pipeline beginning at the undergraduate level and leading to advanced degrees in mathematics and professional success.” CoProf selects the

recipient, and in 2017 the awardee was the National Alliance for Doctoral Studies in the Mathematical Sciences (Math Alliance).

*Other business:*

- **Committee reports:** CoProf discussed reports from the Committee on Women in Mathematics, the Fellows Selection Committee, and the Committee on Members and Member Benefits.
- **Issues raised by members of the mathematical community:** CoProf discussed several topics that had been raised by members of the mathematical community, including letters of recommendation, diversity, and recent changes in eligibility criteria for Simons Foundation Collaboration Grants for Mathematicians. No formal action was taken.
- **JMM panel:** CoProf will sponsor a panel at JMM 2018 entitled “Paths to Collaboration with Scientists,” at 4:30 – 6:00 p.m. on Wednesday, January 10, 2018. It was organized by a subcommittee comprising Albert Boggess, John McCleary, Hal Sadofsky, and Suzanne Weekes. Panelists include Gunnar Carlsson, Ruth Williams, John Lowengrub, Michelle DeDeo, and Ellen Panagiotou. The moderator is Hal Sadofsky.
- **Written reports:** Staff reports on the following topics were included in the CoProf agenda: the Department Chairs Workshop, Membership Department, Education and Diversity Department, Employment Services of the AMS, Graduate Student Chapters, and Mathematics Research Communities. CoProf decided that, in future years, the chair and the staff liaison should decide which reports will be included in the agenda, perhaps including each report once every two years.
- **Debate about scientific issues:** After its October meeting, CoProf engaged in email discussions about a possible response to the situation of Dr. Rochelle Gutierrez, a mathematics educator who has been the subject of personal attacks as a result of a paper that was published by the Association of Mathematics Teacher Educators (AMTE). CoProf has not yet taken any formal action.
- **Next meeting:** The Committee on the Profession will hold its next meeting on September 15-16, 2018, at the Hilton Chicago O’Hare Airport.

*T. Christine Stevens  
Associate Executive Director  
November 14, 2017*



## **Current Charge**

### **Committee on Human Rights of Mathematicians**

#### **General Description**

- Committee is standing
- Number of members is about nine
- Term is three years

#### **Principal Activities**

The Committee has in fact confined its activity to the rights of foreign mathematicians. Definitions, obligations, and restrictions are contained in the document entitled *Charge to the Committee on Human Rights, Concerning Foreign Mathematicians* (inserted below), which is a document endorsed by the Council. The potential reminder of the charge has not been written.

Taken from the Council Minutes of 03 April 2004:

#### Charge to the Committee on Human Rights, Concerning Foreign Mathematicians

1. The AMS believes that human rights violations are serious matters. In recent years, the AMS has intervened on behalf of several foreign mathematicians and even on behalf of whole groups of mathematicians. This Committee will assist the Society in such matters by investigating alleged violations of human rights of foreign mathematicians whether these violations are alleged to have occurred in the U.S. or abroad and by recommending appropriate action whenever action seems warranted.
2. A foreign mathematician, for the purpose of the Committee, is a person residing outside the U.S. and professionally engaged in a mathematical science (such as pure mathematics, applied mathematics, mathematical statistics, computing science, and operations research) or trained for such activity. The purpose of this rule is to limit the activities of the Committee to cases in which our members may be presumed to have a feeling of genuine professional identification with the alleged victim. By violations of human rights, the Committee is to understand violations of freedoms enumerated in the Universal Declaration of Human Rights and in the Affirmation adopted by the National Academy of Sciences, USA, violations which deprive a mathematician of the opportunity to practice his or her profession. In most cases, it would be inappropriate to consider less drastic offenses such as dispute over appointments, denial of promotion or withdrawal of professional recognition.
3. The first duty of the Committee is to investigate complaints received by it or referred to it by officers of the Society. The Committee is encouraged to make polite inquiries to foreign governments and embassies (since a timely polite inquiry may be more valuable than a vociferous protest later on). In conducting its investigation, the Committee cannot always hope to prove a case beyond a reasonable doubt or to hear all sides. In some cases, the Committee may be unable to elicit information from the government in question, and may have no way of direct communication with the victim. The committee should arrive at recommendations for actions (or inaction) using common sense, any source of information available, and the advice of organizations which have had extensive experience in human rights cases (in particular, the International League for the

Rights of Man and Amnesty International). More specific information can be found at <http://www.un.org/Overview/rights.html>.

4. The Committee should not work from a particular political orientation but rather should be willing to defend the human rights of any foreign mathematician whatever that mathematician's political stance or ideology may be.

**Other Activities**

Two members will serve as the AMS representatives to the American Association for the Advancement of Science Human Rights Coalition of which the AMS is a full member. These representatives shall be chosen by the AMS President and will be expected to travel to the twice-yearly coalition meetings in Washington D.C. Their travel expenses will be reimbursed. The two representatives will sit on the Council of the AAAS-HRC and have full voting privileges.



## **Proposed Charge**

### **Committee on Human Rights of Mathematicians**

#### **General Description**

- Committee is standing
- Number of members is about nine
- Term is three years

#### **Principal Activities**

The AMS is committed to speaking whenever mathematicians are deprived of the opportunity to practice their profession due to violations of the freedoms enumerated in the [Universal Declaration of Human Rights](http://www.un.org/en/universal-declaration-human-rights/) (<http://www.un.org/en/universal-declaration-human-rights/>) and its Affirmation<sup>1</sup> adopted by the U.S. National Academy of Sciences. This Committee will assist the Society in such matters by investigating alleged violations of human rights of mathematicians and by recommending appropriate action. For this purpose, a mathematician is a person professionally engaged in a mathematical science (such as pure mathematics, applied mathematics, mathematical statistics, computer science, or operations research) or trained for such activity. Outside of exceptional cases the Committee's charge does not extend to disputes over appointments, denial of promotion, or withdrawal of professional recognition.

The Committee should arrive at recommendations for action using common sense, any source of information available, and the advice of organizations which have had extensive experience in human rights cases such as the International League for the Rights of Man and Amnesty International. The Committee is encouraged to make polite inquiries to governments and embassies, since a timely polite inquiry may be more valuable than a vociferous protest later on. Some examples of recommendations that the Committee might make include (but are not limited to):

- that the AMS President write a letter,
- that the AMS membership be informed about a case (e.g. informed of a petition that members may wish to sign),
- that a news item be posted to the AMS website,
- that the AMS Council take an action in the name of the Council, or call a referendum on an action to be taken in the name of the Society.

The Committee files an annual report with the AMS Secretary's Office.

#### **Other Activities**

Two members will serve as the AMS representatives to the American Association for the Advancement of Science Human Rights Coalition of which the AMS is a full member. These representatives shall be chosen by the AMS President and will be expected to travel to the twice-yearly coalition meetings in Washington D.C. Their travel expenses will be reimbursed. The two representatives will sit on the Council of the AAAS-HRC and have full voting privileges.

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<sup>1</sup> As expressed in the 2008 U.N. declaration on sexual orientation and gender identity, AMS considers sexual orientation and gender identity to be included under "other status" in the enumerated categories of "race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth or other status" in Article 2 of the Universal Declaration of Human Rights.



## **Current Charge Committee to Select the Winner of the Bôcher Prize**

### **General Description**

- Committee is standing
- Number of members is usually three
- A new Committee is appointed for each award

This prize was founded in memory of Professor Maxime Bôcher with an original endowment of \$1,450. In the 20<sup>th</sup> Century the award was made every five years at the Annual (January) Meeting. In the 21<sup>st</sup> Century it will be awarded in 2002, and every three years thereafter at the Annual Meeting. The award is made for “a notable research memoir in analysis which has appeared in the last six years”. Either the recipient is a member of the Society or the Memoir is published in a recognized North American journal. (This provision, introduced in 1971, is a liberalization of the terms of this award.)

### **Principal Activities**

The Committee recommends a winner. It should send its recommendation to the Secretary by 15 October before the award is given the following January. The award is approved by the Council of the AMS, approval being delegated to the Executive Committee.

Past winners are listed every two years in the November issue of the *Notices*.

## **Current Charge**

### **Committee to Select the Winner of the Cole Prize**

#### **General Description**

- Committee is standing
- Number of members is usually three
- A new Committee is appointed for each award

These prizes were founded in honor of Professor Frank Nelson Cole, who served as secretary of the AMS (1896-1920) and as editor-in-chief of the *Bulletin* of the AMS (1899-1920). The original fund was donated by Professor Cole from moneys presented to him on his retirement, was augmented by contributions from members of the Society, and was later doubled by his son, Charles A. Cole. The present endowment is \$5,000. The prizes are awarded under restrictions similar to those for the Bôcher Prize.

#### **Principal Activities**

There are two awards, the Cole Prize in Algebra and the Cole Prize in Number Theory.

The Cole Prize in Algebra is made every three years at the Annual (January) Meeting (2003, 2006, 2009, . . . ). The award is made for a notable research memoir in algebra, which has appeared in the last six years. Either the recipient is a member of the Society or the memoir is published in a recognized North American journal.

The Cole Prize in Number Theory is made every three years at the Annual (January) Meeting (2002, 2005, 2008, . . . ). The award is made for a notable research memoir in number theory, which has appeared in the last six years. Either the recipient is a member of the Society or the memoir is published in a recognized North American journal.

The Committee recommends a winner. The award is approved by the Council of the AMS, approval being delegated to the Executive Committee. See the report below from Halmos and Hochster that the Council adopted as procedure.

The award is supplemented by a Steele Prize from the AMS under the name of the Cole Prize. This is a matter of no concern to the selection committee.

#### ***Report of a subcommittee of the EC***

A subcommittee of the EC consisting of Halmos and Hochster have written the following report.

### **COLLOQUIUM LECTURERS, GIBBS LECTURERS, PRIZE WINNERS**

A report of a subcommittee of the EC

Certain of the Council's decisions (the selection of the Colloquium and Gibbs lectures and the selection of the recipients of the Society's prizes) have traditionally been delegated to special committees and then routinely approved by the EC. The procedure has not been totally satisfactory. (In most cases the EC gave rubber stamp approval,

sometimes recommending committee didn't even produce its nominee's CV.)

As a compromise between, in effect, doing the work of the special committees (undesirable interference) and merely being informed of their decisions (insufficient supervision), the subcommittee recommends that the EC in the future use a system of combined input and pre-approval, as follows:

The special committees should submit to the EC their semifinal short list of choices (ordinarily two or three names for each slot), together with a one-page summary of the documentation justifying each name on the list, and to do so before receiving preliminary acceptable from the suggested nominees. The system should not be inflexible: if, for instance, the special committee feels strongly that there is a single obvious choice, it will suffice that that fact be communicated to the EC. For the Gibbs Lecturers, it would be desirable for the selection committee to provide some insight into the mathematical component of the proposed lecturers' work, not merely his credentials within his own area.

The EC should then comment on each name ("acceptable", "unacceptable", "excellent"), and possibly even suggest another name or two for the special committee's consideration. The final choice is to be left to the special committee. The EC is to be informed of it, but need no longer approve it.

## **Current Charge**

### **Committee to Select the Winner of the Veblen Prize**

#### **General Description**

- Committee is standing
- Number of members is three
- A new committee is appointed for each award

This prize was established in 1961 in memory of Professor Oswald Veblen through a fund contributed by former students and colleagues. The fund was later doubled by the widow of Professor Veblen, bringing the fund to \$2,000. The first two awards of the prize were made in 1966; thereafter, an award will ordinarily be made every three years for research in geometry or topology under conditions similar to those for the Bôcher Prize.

#### **Principal Activities**

The award is made every three years at the Annual (January) Meeting. The award is made for a notable research memoir in geometry or topology which has appeared in the last six years. Either the recipient is a member of the Society or the Memoir is published in a recognized North American Journal.

The Committee makes an interim report to the Executive Committee in a manner prescribed by the EC. See the report from Halmos and Hochster that the Council adopted as procedure. After Review of the report and comments on it by the EC, the selection committee selects the winner.

The award is supplemented by a Steele Prize from the AMS under the name of the Veblen Prize. This is a matter of no concern to the selection committee.

#### ***Report of a subcommittee of the EC***

A subcommittee of the EC consisting of Halmos and Hochster have written the following report.

#### **COLLOQUIUM LECTURERS, GIBBS LECTURERS, PRIZE WINNERS**

##### A report of a subcommittee of the EC

Certain of the Council's decisions (the selection of the Colloquium and Gibbs lectures and the selection of the recipients of the Society's prizes) have traditionally been delegated to special committees and then routinely approved by the EC. The procedure has not been totally satisfactory. (In most cases the EC gave rubber stamp approval, sometimes recommending committee didn't even produce its nominee's CV.)

As a compromise between, in effect, doing the work of the special committees (undesirable interference) and merely being informed of their decisions (insufficient supervision), the subcommittee recommends that the EC in the future use a system of combined input and pre-approval, as follows:

The special committees should submit to the EC their semifinal short list of choices (ordinarily two or three names for each slot), together with a one-page summary of the documentation justifying each name on the list, and to do so before receiving preliminary acceptance from the suggested nominees. The system should not be inflexible: if, for instance, the special committee feels strongly that there is a single obvious choice, it will suffice that that fact be communicated to the EC. For the Gibbs Lecturers, it would be desirable for the selection committee to provide some insight into the mathematical component of the proposed lecturers' work, not merely his credentials within his own area.

The EC should then comment on each name ("acceptable", "unacceptable", "excellent"), and possibly even suggest another name or two for the special committee's consideration. The final choice is to be left to the special committee. The EC is to be informed of it, but need no longer approve it.





## **Proposed Charge**

### **Committee to Select the Winner of the Bôcher Prize**

#### **General Description**

- Committee is standing
- Number of members is usually three
- A new Committee is appointed for each award

#### **Principal Activities**

The Bôcher prize is made every three years at the Annual (January) Meeting, in a cycle including the years 2002, 2005, and so forth. The award is made for a notable research work in analysis that has appeared in the last six years. The work must be published in a recognized, peer-reviewed venue.

The committee recommends a winner and communicates this recommendation to the Secretary for approval by the Executive Committee of the Council.

#### **About this Prize**

The first to be offered by the AMS, this prize was founded in 1923 in memory of Professor Maxime Bôcher, who served as President of the AMS from 1909-1910. The original endowment was contributed by members of the Society. The current prize amount is \$5000.

## **Proposed Charge**

### **Committee to Select the Winner of the Cole Prize**

#### **General Description**

- Committee is standing
- Number of members is usually three
- A new Committee is appointed for each award

#### **Principal Activities**

There are two awards, the Cole Prize in Algebra and the Cole Prize in Number Theory.

The Cole Prize in Algebra is made every three years at the Annual (January) Meeting in a cycle including the years 2003, 2006, and so forth. The award is made for a notable research work in algebra that has appeared in the last six years. The work must be published in a recognized, peer-reviewed venue.

The Cole Prize in Number Theory is made every three years at the Annual (January) Meeting in a cycle including the years 2002, 2005, 2008, and so forth. The award is made for a notable research work in number theory that has appeared in the last six years. The work must be published in a recognized, peer-reviewed journal.

The committee recommends a winner and communicates this recommendation to the Secretary for approval by the Executive Committee of the Council.

#### **About this Prize**

These prizes were founded in honor of Professor Frank Nelson Cole, who served as secretary of the AMS (1896-1920) and as editor-in-chief of the *Bulletin* of the AMS (1899-1920). The original fund was donated by Professor Cole from moneys presented to him on his retirement, was augmented by contributions from members of the Society, and was later doubled by his son, Charles A. Cole. The award is supplemented by a Steele Prize from the AMS under the name of the Cole Prize. The current prize amount is \$5,000.

## **Proposed Charge**

### **Committee to Select the Winner of the Veblen Prize**

#### **General Description**

- Committee is standing
- Number of members is three
- A new committee is appointed for each award

#### **Principal Activities**

The award is made every three years at the Annual (January) Meeting, in a cycle including the years 2001, 2004, and so forth. The award is made for a notable research work in geometry or topology that has appeared in the last six years. The work must be published in a recognized, peer-reviewed venue.

The committee recommends a winner and communicates this recommendation to the Secretary for approval by the Executive Committee of the Council.

Past winners are listed in the November issue of the *Notices* in odd-numbered years.

#### **About this Prize**

This prize was established in 1961 in memory of Professor Oswald Veblen through a fund contributed by former students and colleagues. The fund was later doubled by a gift from Elizabeth Veblen, widow of Professor Veblen. In honor of her late father, John L. Synge, who knew and admired Oswald Veblen, Cathleen Synge Morawetz and her husband, Herbert, substantially increased the endowed fund in 2013. The award is supplemented by a Steele Prize from the AMS under the name of the Veblen Prize. The current prize amount is \$5,000.



**Committee to Select the AMS Mary P. Dolciani Prize for Excellence in Research****General Description**

- Committee is standing
- Number of members is three
- Term is four years
- Members are appointed by the President

**The AMS Mary P. Dolciani Prize for Excellence in Research recognizes a mathematician from a department that does not grant a Ph.D. who has an active research program in mathematics and a distinguished record of scholarship. The primary criterion for the prize is an active research program as evidenced by a strong record of peer-reviewed publications.**

**Additional selection criteria may include the following:**

- Evidence of a robust research program involving undergraduate students in mathematics;
- Demonstrated success in mentoring undergraduates whose work leads to peer reviewed publication, poster presentations, or conference presentations;
- Membership in the AMS at the time of nomination and receipt of the award is preferred but not required.

The prize amount is \$5000. The prize will be awarded every other year for five award cycles.

**Principal Activities**

The committee recommends a winner and communicates this recommendation to the Secretary for approval by the Executive Committee of the Council. The committee recommendation should include a written citation for the nominee.

**Miscellaneous Information**

The business of this committee can be done by mail, electronic mail, or telephone, expenses, which may be reimbursed by the Society.

**Note to the Chair**

Work done by committees on recurring problems may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that records of work should be kept and submitted annually to the Secretary for archival purposes. Confidential material should be noted, so that it can be handled in a confidential manner.

**Authorization**

*09 January 2018 Council, Item 4.6.3*

Prize, selection committee and charge were created.

**Past Members**

A list of current and past members is available at:

<http://www.ams.org/about-us/governance/committees/comm-all.html#DOLCIANI>

**AMS Web Page**

<http://www.ams.org/profession/prizes-awards/ams-prizes/dolciani-prize>



## Charge to the Nominating Committee

### General Description

- Committee is standing.
- Number of members is nine.
- Term is three years beginning on 01 January after year of election.
- This is a committee of the Council.

### Principal Activities

The Nominating Committee (NC) recommends to the Council a slate of officers for election in the fall election. ~~(In the event that~~ If changes are made to the Bylaws that affect the election process, these charges are changed accordingly.)

1. Every ~~odd-even~~ year the committee recommends two nominees for election to the position of President Elect as well as a Nominator for each candidate.\*
2. Every year the committee recommends two nominees for election to the position of Vice President.
3. Every year the committee recommends ~~up to~~ ten nominees for election to the position of Member at Large of the Council.
4. Every year the committee recommends ~~up to~~ two nominees for election to the position of Trustee.
5. The committee makes other recommendations and nominations as requested by the Council.

The Council is charged with the task of actually nominating the candidates for election; by contrast the NC is charged with recommending nominations to the Council. ~~This is why the term recommends is used in the items above.~~ (The Council has been known to change a recommendation, but infrequently.)

The NC should determine if potential nominees are willing ~~One of the duties involved in making these recommendations is to acquire from potential nominees willingness~~ to stand for election and serve if elected.

### Description

1. In each odd year a new President Elect is elected. The President Elect serves in this position for one year, then serves as President for two years, and then serves as Immediate Past President for one year.

1 bis. The Nominating Committee is charged with selecting/choosing one or two authors per candidate for a nomination article supporting the candidacy to appear in the Notices supporting the candidacy. This selection/choice should typically be made in consultation

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\* For the election of 2003, and all odd-numbered years since, the Nominating Committee has made recommendations for candidates for President Elect a full year in advance of the election.

with the candidate. Normally the nomination article will be one to three pages and contain pertinent biographical information and an overview of the mathematical and other relevant contributions of the nominee as well as pertinent biographical information. The articles not only serve to influence voters, but also to honor the candidates and to disseminate their work, and may help to encourage potential candidates to accept nomination. The choice of the authors should be made with great care. For each candidate for the Presidency there should be an article appearing in the Notices extolling the mathematical and other virtues of the candidate. It has been suggested that the publication of such an article should be so great an honor that even losing the election would not matter and that the promise of this publication might convince a candidate to accept the nomination. Thus, the choice of an author to write this article is almost as important a task as finding a candidate for the presidency.

It is envisioned that a nominating article will contain an overview of the mathematical contributions of the nominee as well as some biographical information. The article might run from 5 to 8 printed pages. The Council suggests that the nominee have input into the choice of a nominator.

2., 3. Contested Positions. The The positions of Vice President and Member at Large of the Council are contested. The NC normally recommends two candidates for each position. ~~C~~However candidates for these positions can also be recommended to the Council by petition. The petition procedure begins in November of the year before an election when the forms and rules are published in the Notices. The Council has instructed the NC to prepare two nominations per post to be filled (in effect, ten nominations for Member at Large and two for Vice President). This is without regard to any nominations by petition that the Council will consider. Until recently the Council wanted to nominate exactly ten candidates to stand for election to the post of Member at Large, which meant that nominations by petition for those posts had to be merged with the suggestions of the Nominating Committee. To produce more efficient merging, the Nominating Committee recommended to the April 2003 Council a change in the deadline for Nominations by Petition. Instead of approving the recommendation, the Council instructed the Nominating Committee simply to prepare two recommendations per post to be filled (in effect, to recommend ten candidates for election to the post of Member at Large of the Council and two candidates for that of Vice President). The sense of the Council seemed to be that, when nominations by petition were presented, the Council would nominate more than twice the number of candidates to stand for that election. Nominations by petition are very rare.



## **PROPOSED CHARGE**

### **AMS-ASA-MAA-SIAM Data Committee**

#### **General Description**

- Committee is standing and joint with ASA, IMS, MAA, and SIAM
- Number of voting slots is ten: 4 appointed by AMS, 3 by MAA, 2 by ASA, and 1 by SIAM
- One non-voting AMS staff member serves *ex officio* to support the Committee
- Voting member term is three years
- Voting members are appointed by the presidents of the respective societies; the Committee selects a chair

#### **Principal Activities**

The Joint Data Committee studies the continuing and long-range needs of the mathematical sciences community, and it makes recommendations concerning ongoing and new data collection and analysis efforts that will insure reliable and timely information about the profession that is usable by the memberships of the societies represented on the Committee, the mathematical community, and the wider national and international communities. The Committee advises the AMS staff regarding its activities to gather and analyze data, interpret results, and disseminate information pertaining to the mathematical sciences community. These staff activities include the collection and interpretation of data on the employment of mathematical scientists, annual production of PhDs in the mathematical sciences, starting salaries, faculty salaries, graduate programs, and undergraduate programs. Together these activities constitute the Annual Survey of the Mathematical Sciences, the results of which are published in several reports throughout the year in the *Notices of the AMS* and other venues.

#### **Other Activities**

The Committee maintains liaisons with other professional societies, business, industry, government, educational institutions, and various extra-academic organizations to sustain a broad perspective on activities connected with mathematics.

The Committee reports to the AMS Council annually on its activities.

#### **Member Society Responsibilities**

Member societies make financial contributions to defray the costs of administering the Annual Survey and to support Committee members' travel to one annual meeting. Members of the Committee keep their respective societies apprised of committee activities, and specifically should foster awareness of the publication of new reports on the Annual Survey.

#### **Miscellaneous Information**

The Chair of the Committee typically co-authors each of the regularly published reports related to the Annual Survey and therefore works closely with AMS staff members who provide

professional and clerical support for the Committee. It is desirable for at least some members to have statistical expertise.

The Committee meets face-to-face annually, and may conduct business through email correspondence or conference calls. Travel for Committee members attending this meeting is reimbursed through the AMS at LEVEL B (<http://www.ams.org/about-us/governance/ecbt-meetings/level-b-voucher.pdf> )

## **CURRENT CHARGE**

### **AMS-ASA-MAA-SIAM Data Committee**

#### **General Description**

- Committee is standing
- Number of members is ten
- Term is three years

The following is an excerpt from the 24 April 2010 Council Agenda:

The name of the AMS-ASA-IMS-MAA-SIAM Data Committee has been changed to delete “IMS” from the title. The Institute of Mathematical Statistics (IMS) will continue to support the Annual Survey but no longer will send a representative to the Joint Data Committee. Due to its financial support of the project, the IMS initials will appear on the Annual Survey reports.

The following is a quote from the 11/91 ECBT Minutes.

6.15 IMS Participation in Annual AMS-MAA Survey. During the recent Board on Mathematical Sciences Chairs Colloquium in Washington, DC, the ED was approached by two members of the Institute of Mathematical Statistics (IMS) about the possibility of IMS joining with AMS and MAA as cosponsors of the annual survey. The ECBT voted to recommend to the Council that, assuming MAA also approved, IMS be invited to joint AMS and MAA as cosponsors of the Annual Survey. AED Maxwell was authorized to negotiate the level of IMS’s financial support of the Survey.

The Council approved participation of IMS in the Annual Survey and concomitant membership on the AMS-MAA Data Committee.

The following is an excerpt from the 04 January 2007 Council Agenda:

#### **3.1. AMS-ASA-IMS-MAA-SIAM Annual Survey Data Committee**

The committee recommends that its name be changed to the AMS-ASA-IMS-MAA-SIAM Data Committee. The Committee makes policy about the collection of data, and the point of the proposed change is to **remove explicit reference to the annual survey**, since the committee itself does not actually carry out the data collection.

The Council approved that the committee name change.

#### **Principal Activities**

The Committee is charged with gathering and disseminating data on matters of concern to the mathematical sciences community. Such data has in the past included the gathering and interpretation of data on the employment of mathematicians, the annual production of Ph.D.'s in the mathematical sciences and the tracking of starting salaries, faculty salaries, and graduate programs. In addition, as charged by the 11/88 ECBT, the Committee should also study the

continuing and long-range data gathering needs of the mathematical community and make recommendations concerning the establishment of an ongoing data collection effort that will insure reliable, timely, and usable data on the profession.

Specifically, the Committee is charged with designing and administering the Annual AMS-MAA Survey, and other surveys as the need arises, and to report to the mathematical community through its chair by written reports in the *Notices* of the AMS and *MAA Focus*.

The Committee has responsibility for the annual publication, Assistantships and Graduate Fellowships in the Mathematical Sciences.

The Committee should meet on a regular basis, at least annually, for the purpose of redesigning the survey forms used in the Annual Survey and related matters.

### **Other Activities**

The Annual Data Survey Committee should maintain liaison with data gatherers and analysts of other professional societies, business and industry, through membership of the Society and the Association in the Commission of Professionals in Science and Technology (CPST).

To the extent that it is possible, the Annual Data Survey Committee should serve as a clearinghouse for surveys of the mathematical community so as to maximize efficiency and minimize effort.

The Committee shall report to the AMS Council and MAA Board of Governors annually on its activities.

### **Miscellaneous Information**

There is staff support for the Committee from the Providence office, both professional expertise and secretarial service. The Committee needs statistical expertise, either in selected members or through consultants, for the design and analysis of its studies.

### **Appointments**

Each slot on the committee is assigned to one of the sponsor organizations. The President of each organization appoints members to slots that belong to that organization.

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**American Mathematical Society**  
**Committee on Publications**  
**2017 Annual Meeting**  
**SUMMARY REPORT**

A meeting of the AMS Committee on Publications (CPub) was held on Friday and Saturday, October 13-14, 2017 at the Chicago O'Hare Hilton Hotel, O'Hare International Airport, Chicago, IL, 60666. Ilya Kapovich, chair, presided over the meeting.

*Actions taken by CPub include the following:*

**Ebooks/New Book Media**

CPub reviewed the AMS book program in 2016 and directed that a subcommittee on adopting new media for AMS books be appointed to report to CPub at its 2017 meeting. Subsequently, the appointment of this subcommittee was postponed, with the understanding that AMS staff would first provide a report on the ebook program.

Associate Executive Director Harington reported on the ebook program, and CPub determined that a subcommittee on ebook development is not needed at this time. In its place, AMS staff will provide an annual update on work being done to implement new approaches to digital content, and the ebook program will be evaluated as part of CPub's regular review of the AMS Book Program.

**Institutional Open Access Policies Subcommittee**

In 2016, a joint subcommittee of members of CPub and the AMS Committee on the Profession (CoProf) was formed to study copyright and open access policies that affect mathematicians. The following is a summary of the subcommittee's findings and recommendations:

- Many mathematicians are unaware of whether their institutions have open access policies, and if so, if they are compatible with publisher policies. It was recommended that AMS review and modify its publishing agreements to ensure they are compatible with mainstream open access policies.
- Institutional repositories are not widely used by mathematicians, while the arXiv is.
- Awareness of open access policy issues is low among mathematicians, and there is a need for guidance. To raise awareness, it was recommended that an article explaining the legal terminology and framework of copyright law and open access policies be published in the *Notices* or on the AMS website.

CPub requested that the subcommittee, with the help of AMS staff, coordinate preparation of an article for publication in the *Notices* to raise awareness on open access policies.

**Revisions to Editorial Committee Charges**

CPub approved changes to the charges of the editorial committees of the *Proceedings of the AMS*, *Colloquium Publications*, *Journal of the AMS*, *Mathematical Surveys and Monographs*, *Mathematical Reviews*, *Transactions* and *Memoirs*, and *Mathematics of Computation* to clarify appointment procedures. The changes will go forward to Council for approval.

## **Web Editorial Group**

In September 2011, CPub endorsed the creation of a working group, the AMS Web Editorial Group (WEG), to advise AMS officers and staff about mathematical content on the AMS website. WEG supplements the work of the staff Web Advisory Group (WAG). The January 2017 Council instructed CPub to consider whether WEG should become a standing committee.

Since its duties relating to content on the AMS website are not presently clear, CPub voted to recommend to Council that WEG be discharged with thanks, and in its place, a member of CPub will be appointed by the CPub chair as a liaison to WAG to advise on matters of web content and report to CPub annually. CPub's recommendations will go forward to Council for consideration.

## **CPub Review Schedule**

CPub approved a proposal to modify its annual review schedule by combining the reviews of the member journals and the electronic only, translation and distributed journals, resulting in a three-year review cycle. CPub's 2018 review will be of the AMS Book Program. The proposed modification will go forward to Council for approval.

## ***Other Business:***

### **Review of AMS Member Journals**

A subcommittee of CPub, consisting of members Nathan Dunfield, Ilya Kapovich (chair), Claudia Polini and Michael Singer, conducted the 2017 review of the member journals (*Abstracts*, *Bulletin*, and *Notices*). The review concentrated mainly on the *Bulletin* and *Notices*, and overall, both journals were found to be in very good health. Delivery to nominee members was identified as the most significant issue for both publications, and the subcommittee recommended that AMS consider a more aggressive notification practice, where several repeated notifications are sent over a period of time and contain more diverse content.

Further recommendations for both *Bulletin* and *Notices* include:

- Exploring adding online only features to enhance the electronic versions (e.g., extra graphics/interactive data/other media related to articles, reviews, AMS publications, and contributors);
- Conducting more frequent surveys of AMS members regarding readership; and
- Collecting and using page-view statistics data to target enhancements.

Attracting enough high quality articles and book reviews was identified as the most difficult task faced by the *Bulletin*. To attract more contributions, the subcommittee suggested offering AMS Points awards to authors, soliciting more articles of shorter length, and placing ads in the *Notices*. Alternating the Levi Conant prize each year between the *Bulletin* and the *Notices* and adding an online comments/feedback submission form were also suggested.

In addition to the above, the following suggestions were made for *Notices*:

- Continue experimenting with the new online comments feature to make it more attractive to readers;
- Preserve some of the more traditional features, such as the "Letters to the Editor" section; and

- Ensure that AMS templates and formatting rules provide enough flexibility for presentation and organization of content.

Notwithstanding financial considerations, the subcommittee's review of *Abstracts* subscription data and membership survey results found no compelling reasons for its continuation as a separate publication. However, CPub agreed that before any recommendation is made to discontinue *Abstracts*, AMS should look into how to make abstracts available in an electronic form that would allow for the convenient search, retrieval and archiving of abstracts presented at the Society's meetings.

***Staff provided reports on the following items:***

- Strategic Planning
- Journal Backlogs
- AMS Open Access Journals
- Mathematical Reviews

***Next meeting:*** CPub's next meeting will be held September 14-15, 2018 at the Hilton O'Hare in Chicago, IL.

*Sergei Gelfand*  
*Publisher*  
*October 24, 2017*

CPub Members: Sergei Gelfand, Henry Cohn, Lauara DeMarco, Nathan Dunfield, Edward Frenkel, Ilya Kapovich, Robert Lazarsfeld, John Lee, Claudia Polini, Kenneth Ribet, Catherine Roberts, Carla Savage, Michael Singer, Ben Webster





## Editorial Boards Committee

### General Description

- Committee is standing. This is a committee of the Council
- Number of members is eight, six elected and two *ex officio*.
- Two members are elected each year in a contested election, each serving a three-year term.
- Candidates for the elected positions shall be nominated by the President
- The Secretary and Publisher are *ex officio* non-voting members

### Principal Activities

The committee shall recommend appointees to certain editorial committees to the AMS President and the Council. To that end, it shall solicit suggestions for those editorial committees by consulting with managing editors, current editorial committees, and other interested parties. The committee should take into account both the interests of the publications and the overall interests of the Society. The Editorial Boards Committee shall monitor the function of the editors, alerting appropriate bodies (for example, the Committee on Publications, Council, officers, or staff) about existing or potential problems and concerns.

The committee shall recommend members for the following editorial committees and submit its recommendations for approval:

- Journal of the AMS
- Mathematics of Computation
- Proceedings of the AMS
- Transactions of the AMS
- Electronic Research Announcements
- Electronic Journal of Representation Theory
- Electronic Journal of Conformal Geometry and Dynamics
- Collected Works
- Colloquium
- Contemporary Mathematics
- Graduate Studies in Mathematics
- History of Mathematics
- Mathematical Reviews
- Mathematical Surveys and Monographs
- Proceedings of Symposia in Applied Mathematics
- Student Mathematical Library
- University Lecture Notes

All recommendations for these editorial committees go to the President for approval except for the following, which go to the Council:

- Managing editor of Journal of the AMS
- Managing editor of Mathematics of Computation
- Managing editor of Proceedings of the AMS
- Managing editor of Transactions of the AMS
- Chair of Colloquium
- Chair of Mathematical Surveys and Monographs
- Chair of Mathematical Reviews



## Journal of the AMS Editorial Committee

### General Description

- Committee is standing
- Number of members is approximately six
- Term is four years

### Principal Activities

To solicit, acquire, review, edit, and publish articles in the *Journal of the AMS*.

### Other Activities

### Miscellaneous Information

The Managing Editor, who will chair the Editorial Committee, will be elected by the Council, upon the recommendation of the Editorial Boards Committee (EBC).<sup>1</sup> The other five editors are appointed by the President upon recommendation of the EBC in consultation with the Managing Editor. The Managing Editor and the Editorial Committee are supported by a board of associate editors who are appointed by the President upon the recommendation of the EBC. Travel reimbursement for this committee has been designated at **LEVEL B**. Associate Editors are not eligible for travel, only the Managing Editor and the Editorial Committee.

Editors normally serve no more than two consecutive terms.

### Note to the Chair

Work done by committees with recurring agenda items may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that records of work should be kept and submitted annually to the Secretary for archival purposes. Confidential material should be noted, so that it can be handled in a confidential manner.

### Authorization

*created 4/13/90; updated 10/31/90; 5/04/95; 11/01;1/07; 8/09; 8/11; 1/12; 9/12; 7/13 clarified travel, updated membership*

### Past Members

A list of current and past members is available here:

<http://www.ams.org/about-us/governance/committees/jams-past.html>

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<sup>1</sup> The chair of this committee is an *ex officio* member of the Council.

## Proceedings Editorial Committee

### General Description

- Committee is standing
- Number of members is approximately thirty-five
- Term is four years

### Principal Activities

To solicit, acquire, review, edit and publish articles in *Proceedings*.

### Other Activities

The chair of the committee acts as Managing Editor and selects or nominates coordinating editors and editors. ~~(Note: coordinating editors and editors require confirmation from the EBC but do not require Council approval.)~~

### Miscellaneous Information

The chair of the Editorial Committee will be elected by the Council, upon nomination by the Editorial Boards Committee.<sup>1</sup> The other editors and the coordinating editors are appointed by the President upon recommendation of the EBC in consultation with the Managing Editor. Editors' institutions may be reimbursed for costs of mail, phone, postage. This committee will conduct at most one meeting per year. This committee has been designated at **LEVEL B** (eff. 11/01 ECBT).

Editors normally serve no more than two consecutive terms.

### Note to the Chair

Work done by committees with recurring agenda items may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that records of work should be kept and submitted annually to the Secretary for archival purposes. Confidential material should be noted, so that it can be handled in a confidential manner.

### Authorization

Published since 1950.

*Created 2/10/92; updated 5/04/95; 11/01; 1/07; 8/09; 8/11; 1/12; 7/12 members, edited Note to the Chair and Misc Info*

### Past Members

A list of current and past members is available here:

<http://www.ams.org/about-us/governance/committees/pams-past.html>

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<sup>1</sup> The chair of this committee is an *ex officio* member of the Council.

## Transactions and Memoirs Editorial Committee

### General Description

- Committee is standing
- The Editorial Board is to consist of the Managing Editor, five Coordinating Editors, and about 15 Editors
- Term is four years

### Principal Activities

To solicit, acquire, review, edit and publish articles in *Transactions and Memoirs*. *Transactions* papers should exceed 15 published pages.

### Other Activities

The chair of the committee acts as Managing Editor and selects or nominates editors. ~~(Note: editors require confirmation from the Editorial Boards Committee (EBC), but do not require Council approval.)~~

### Miscellaneous Information

The chair of the Editorial Committee will be elected by the Council, upon nomination by the EBC.<sup>1</sup> The other editors and the coordinating editors are appointed by the President upon recommendation of the EBC in consultation with the Managing Editor. This committee will conduct at most one face-to-face meeting per year. Travel reimbursement for this committee has been designated at **LEVEL B**.

Editors normally serve no more than two consecutive terms.

### Note to the Chair

Work done by committees with recurring agenda items may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that records of work should be kept and submitted annually to the Secretary for archival purposes. Confidential material should be noted, so that it can be handled in a confidential manner.

### Authorization

*created 2/10/92dlh; updated 5/04/95; 11/01; 8/09; 8/11; 1/12; 9/12; 7/13 membership, Misc. Info. and Note to Chair*

*January 03, 2017 Council Minutes, Item 4.9.2*

Changed the structure of the Editorial Committee to include Coordinating Editors.

### Past Members

A list of current and past members is available here:

<http://www.ams.org/about-us/governance/committees/tams-past.html>

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<sup>1</sup> The chair of this committee is an *ex officio* member of the Council.

## Colloquium Editorial Committee

### Description

- Committee is standing
- Number of members is three
- Term is four years

### Principal Activities

The Committee will be responsible for the Colloquium Publication Series.

The principal function of a book editorial committee is to decide the appropriateness of proposed book projects for publication. Because the AMS is competing vigorously with other mathematics publishers, it is extremely important that the committee make its decision in a timely manner, usually within weeks and always within two months' time.

A committee will often seek the advice of one or more outside experts in order to facilitate its decision process, but this is not always necessary. The AMS Acquisitions Staff is available to help the committee in any possible way, including communication with outside experts suggested by the committee.

Although most proposals will come to a committee from an AMS Acquisitions Editor, the Editorial Committee itself may solicit proposals.

### Other Activities

### Miscellaneous Information

The chair will be elected by the Council, upon nomination by the Editorial Boards Committee. **Other members are appointed by the President upon the recommendation of the EBC.<sup>1</sup>** The business of this committee, such as postage and telephone charges, may be reimbursed by the Society.—Travel reimbursement for this committee has been designated at **LEVEL B**.

### *Note to the Chair*

Work done by committees with recurring agenda items may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that records of work should be kept and submitted annually to the Secretary for archival purposes. Confidential material should be noted, so that it can be handled in a confidential manner.

### Past Members

A list of current and past members is available here:

<http://www.ams.org/about-us/governance/committees/colloquium-past.html>

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<sup>1</sup> **The chair of this committee is an *ex officio* member of the Council.**

## Mathematical Surveys and Monographs Editorial Committee

### General Description

- Committee is standing
- Number of members is four or five
- Term is four years
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### Principal Activities

This Editorial Committee is charged with selecting for publication by the AMS books which exposit research-level mathematics of current interest to the mathematical community. These books are frequently suitable as texts for an advanced graduate class; however, that is not a necessary requirement.

The principal function of a book editorial committee is to decide the appropriateness of proposed book projects for publication. Because the AMS is competing vigorously with other mathematics publishers, it is extremely important that the committee make its decision in a timely manner, usually within weeks and always within two months' time.

A committee will often seek the advice of one or more outside experts in order to facilitate its decision process, but this is not always necessary. The AMS Acquisitions Staff is available to help the committee in any possible way, including communication with outside experts suggested by the committee.

Although most proposals will come to a committee from an AMS Acquisitions Editor, the Editorial Committee itself may solicit proposals.

### Other Activities

It is a tradition that a member of this committee serve as a representative to the University Lecture Series.

### Miscellaneous Information

The chair will be elected by the Council, upon nomination by the Editorial Boards Committee. Other members are appointed by the President upon the recommendation of the EBC.<sup>1</sup>

The business of this committee, such as postage and telephone charges, may be reimbursed by the Society. Travel reimbursement for this committee has been designated at **LEVEL B**.

### Note to the Chair

Work done by committees with recurring agenda items may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that records of work should be kept and submitted annually to the Secretary for archival purposes. Confidential material

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<sup>1</sup> The chair of this committee is an *ex officio* member of the Council.

## Mathematical Reviews Editorial Committee

### General Description

- Committee is standing
- Number of members is eight, including the Executive Director and the Associate Treasurer who serve as *ex officio*, non-voting members.
- Term is four years

### Principal Activities

MREC is charged with giving scientific advice to the staff of Math Reviews (MR), to further its goal of providing the international mathematics research community with timely and complete coverage of the mathematics research literature. The advice should concern issues including:

- The scope of coverage.
- The amount and quality of reviewing and general editorial concerns about content of the databases.
- Evaluation of editorial policy, to be sure it provides adequate and useful information to the mathematical community.
- Priorities for proposed developments to the database.

The committee also serves as an oversight committee for the associate editors of Mathematical Reviews and, in conjunction with the administrative staff, reviews the editorial functions of the editors.

### Other Activities

#### Miscellaneous Information

The chair will be elected by the Council, upon nomination by the Editorial Boards Committee.

Other members are appointed by the President upon the recommendation of the EBC.<sup>1</sup> The chair of this committee attends Council meetings. The committee meets once a year, typically in October, in Ann Arbor, for one day.

Traditionally, one member of the committee has been from the Ann Arbor campus of the University of Michigan.

Travel reimbursement for this committee has been designated at **LEVEL P**. This is a “full travel support” committee. If traveling from a permanent domicile outside of North America, business class travel may be allowed **with prior approval** of the Executive Director and the Secretary.

#### Note to the Chair

Work done by committees with recurring agenda items may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that records of work should

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<sup>1</sup> The chair of this committee is an *ex officio* member of the Council.



## **Report on the 2017 Annual Meeting of the Mathematical Reviews Editorial Committee**

The 2017 annual meeting of the Mathematical Reviews Editorial Committee (MREC) was held on Monday, October 9, in the Mathematical Reviews offices in Ann Arbor, Michigan. In attendance were committee members: Andreas J. Frommer (Chair), Danny Calegari, Barbara Lee Keyfitz, Jeffrey C. Lagarias, Shigefumi Mori, Pham Huu Tiep, and Catherine A. Roberts (AMS Executive Director); Guests: Motoko Kotani (incoming member of MREC), Edward Dunne (Executive Editor), Norman Richert (Managing Editor), and MR Associate Editors: Andrés Caicedo, Dean Carlson, Steve Damelin, Asen Dontchev, Chris Elmer, James Epperson, Robert Hladky, Guo Ying Jiang, Michael Jones, Vasilii Kurta, Milan Lukic, Lon Mitchell, Irina Sivergina, Margaret Stawiska-Friedland, and Ursula Whitcher. Zbigniew Nitecki (AMS Associate Treasurer) was unable to attend.

1. *MREC Membership.* Andreas Frommer was appointed by the AMS Council as Chair to serve a two-year term from February 1, 2017 to January 31, 2019. Normally, the Chair is also reappointed as a member of MREC. Frommer is interested in serving a full four-year second term as a member of the committee. Danny Calegari, with the support of the rest of MREC, has offered to serve a two-year term as Chair after Frommer, from February 1, 2019 to January 31, 2021. Calegari is also interested in serving for a full four-year second term.
2. *Date of the next meeting: Monday, October 8, 2018.*
3. *Approval of the Minutes of the 2016 Meeting.* The minutes of the meeting held on October 10, 2016 were approved with two minor changes.
4. *Procedure for Approving Reference List Journals.* MREC approved a process for adopting some journals as reference list journals by consent.
5. *Guidelines on the Adoption of New Journals.* Executive Editor Edward Dunne reviewed the editorial principles used in deciding on coverage for new journals by MR. As noted by MREC, the principles are an expanded expression of the Mathematical Reviews Editorial Statement. Inclusion of a journal in the coverage by Mathematical Reviews should indicate that it meets the standards set out in the editorial statement.
6. *Update on MR Activities.* Dunne presented highlights of MR activities, as described in the MR Operating Plan for 2018 and Section VI of the 2016 MR Operating Plan. The highlights included discussions of the changing landscape in which MR operates, some changes to MathSciNet – both implemented and still to come, data on the growth of the database, and information on the distribution of pure and applied mathematics in the database.
7. *Strategic Planning.* Executive Director Roberts presented an update on AMS Strategic Planning. She highlighted the creation of two new departments: (1) Education and Diversity and (2) Membership. Roberts discussed the strategic initiative on Awareness and Visibility, and its leading edge, the branding initiative and new logo.

The new logo was revealed to MREC, as was the new AMS tagline: “Advancing research. Creating connections.”

8. *MR Facility.* The AMS Board of Trustees has asked for a review of the MR facility. The review will include an assessment of the needs of MR and descriptions of possible options. The decision is up to the Board of Trustees, but MREC should be kept informed of the changes. MREC emphasized the importance of access to the University of Michigan for the Associate Editors.
9. *Subscription Information.* Roberts reviewed information on the pricing structure for MathSciNet, including information on participation in the MathSciNet for Developing Countries Program (MDC). She also reported on recent trends on subscriptions, in particular on consortia. Eligibility for the MDC is based on the World Bank Classification of national economies. Some members of MREC inquired about using the UNESCO classification, as is done with the IMU.
10. *Current Index of Statistics.* The AMS is in discussions with the IMS about moving the data from the Current Index of Statistics (CIS) into MathSciNet. IMS plans to shut down the CIS on December 31, 2019.
11. *Bibliometrics.* The MRDB contains valuable data about the mathematics literature. For some time now, MathSciNet has displayed citation information for authors (number of citations and number of authors citing) and journals (MCQ). Mathematicians, librarians, and others sometimes request for MR to increase the bibliometric computations derived from that data. However, providing such metrics has risks, particularly when they carry the imprimatur of the AMS. MREC discussed some of those risks, as well as made suggestions regarding the explanations of the information currently given.
12. *MR Database.* Managing Editor Richert reviewed statistics concerning the number of items in the MR Database as a function of time.
13. *MSC 2020.* Associate Editors Caicedo and Carlson provided an update on the joint Mathematical Reviews – zbMATH project to update the Mathematics Subject Classification.
14. *Reference List.* The Associate Editors presented 23 journals for consideration to be added to the Reference List Journals. MREC approved 18 of them.
15. *Review of MR Editorial Statement.* MREC reviewed the MR Editorial Statement and voted unanimously to reaffirm the statement in its current form.
16. *MR-zbMATH News.* Richert presented some comparative statistics regarding MathSciNet and zbMATH.
17. *Executive Session.* The committee adjourned to executive session at 3:00pm.
18. *MR Office Tour.* The meeting concluded with a tour of the MR departments.

*Andreas J. Frommer*

*Chair of MREC*

*November 14, 2017*

Committee Members: Danny Calegari, Andreas Frommer, Barbara Lee Keyfitz, Jeffrey Lagarias, Shigefumi Mori, Zbigniew Nitecki, Catherine Roberts, Pham Huu Tiep

Report from the AMS Fellows Selection Committee  
8/22/2017

The committee met via conference calls (about 7 2-hour calls) between the beginning of May and mid July.

There were 155 nominations this year, down from 194 the year before. The committee was supposed to recommend between 50 and 65 nominees. Each committee member was assigned the initial task of reading about 25 files, and dividing their files into quartiles. Each file had two readers. At the end of this stage files with a discrepancy in ranking greater than one were assigned a third reader. We then discussed in detail most of the “mid-range” files, paying particular attention to ensuring a broad representation of mathematicians amongst the Fellows in every respect. Several files from both “top” and “bottom” score range merited and received additional discussion by the committee. We submitted the final list of 63 Fellows, with citations, to Steven Ferrucci on August 10, 2017.

With 12 committee members, this is a very cumbersome process (although we were ably helped with scheduling, etc., by Steven Ferrucci). One suggestion I had as chair was that perhaps the conference calls could be arranged in advance, or very early in the process. Having 12 people fill out doodle polls many times and then awaiting responses was a significant source of delay. If the calls simply were, say, alternately Thursday and Friday at a specified time for 6 weeks in a row, likely almost everything could have been completed more quickly.

Of course I could have implemented this in the first place, but this is an example of what I’d describe as “limited institutional memory” of how the committee is supposed to work. That is, my best plan as a new chair seemed to be to make minor, hopefully intelligent, adjustments to the way the committee had functioned the previous year. But the process at present is so unwieldy and time-consuming that it might be worth convening a few previous chairs or interested committee members to come up with some more-streamlined system.

One very strong recommendation by the committee as a whole was that the AMS needs either to establish or to energize a committee in charge of soliciting nominations, in particular from female and under-represented minority candidates. For example, our pool this year was only about 15% female, so while our nominees are about the same, it isn’t impressive.

Abigail Thompson, Chair  
AMS Fellows Selection Committee

**2017** David J. Aldous, Prakash Belkale, Henry L Cohn, Irene Fonseca, Irene M Gamba, Karsten Grove, Patricia L. Hersh, Lisa Claire Jeffrey, Andrea R Nahmod, Fadil Santosa, Karen E Smith, and Abigail A Thompson (CH)



### Mathematics Research Communities

Mathematics Research Communities (MRC) is an AMS program that helps early-career mathematicians to get their research off to a good start, and to help them to jump-start research in new, rapidly developing areas of mathematics. It is supported by a generous grant from the National Science Foundation (NSF), donations from an individual, and AMS funds. Aimed at those who are close to finishing their doctorates or have recently earned their degrees, the program provides the participants with opportunities to build social and collaborative research networks with each other and with the senior organizers.

Each year, several mathematical topics are selected as the foci of a program that includes:

- Intensive one-week-long summer research conferences for each topic;
- Special Sessions at the AMS-MAA Joint Mathematics Meetings (JMM) in the January following the summer conferences;
- Guidance in career building;
- Follow-up small-group collaborations;
- Longer-term opportunities for collaboration and community building among the participants.

Participants also agree to provide feedback regarding their career development for a period of five years following the summer conference. This information helps AMS to manage the program, gauge its longer-term impact, and report on activities supported by the NSF grant.

The program began in 2008 and currently has grant support through 2019. Up through the summer of 2017, the program has had 31 sets of organizers spanning the mathematical research landscape and produced well over a thousand participant alumni, many of whom are enjoying considerable career success. Our goals for the current grant cycle include raising the visibility of the MRC program, increasing the diversity of the organizers and participants, and building a sense of community among MRC alumni from prior years. We are also investigating ways to make the MRCs financially sustainable as an ongoing AMS program.

In 2017 the participants in the 2016 summer conferences completed their year in the program by organizing Special Sessions at the JMM in Atlanta in 2017 and pursuing the collaborative research projects that they had initiated. The topics for the 2016 conferences were: Lie Group Representations, Discretization and Gelfand Pairs; Character Varieties: Experiments and New Frontiers; Algebraic Statistics; and Mathematics in Physiology and Medicine.

The following conferences were held in Snowbird, Utah in the summer of 2017. In addition to the forty NSF-supported participants of each conference, the three groups included a total of five participants who were partially or fully supported by their institutions.

**Homotopy Type Theory**, June 4 – 10, 2017 (40 participants)

*Organizers:* J. Daniel Christensen, University of Western Ontario; Chris Kapulkin, University of Western Ontario; Daniel R. Licata, Wesleyan University; Emily Riehl, Johns Hopkins University; Michael Shulman, University of San Diego.

**Beyond Planarity: Crossing Numbers of Graphs**, June 11 – 17, 2017 (40 participants)

*Organizers:* Éva Czabarka, University of South Carolina; Silvia Fernández-Merchant, California State University, Northridge; Gelasio Salazar, Universidad Autónoma de San Luis Potosí, Mexico; Marcus Schaefer, DePaul University; László A. Székely, University of South Carolina.

**Dynamical Systems: Smooth, Symbolic, and Measurable**, June 18 – 24, 2017 (40 participants)

*Organizers:* Jon Chaika, University of Utah; Vaughn Climenhaga, University of Houston; Boris Hasselblatt, Tufts University; Dmitry Kleinbock, Brandeis University; Bryna Kra, Northwestern University; Daniel Thompson, The Ohio State University.

Five MRC conferences are planned for the summer of 2018, and they will be held at the Whispering Pines Conference Center in West Greenwich, Rhode Island:

***The Mathematics of Gravity and Light***, June 3 – 9, 2018 (20 participants)

*Organizers:* Charles Keeton, Rutgers University; Arlie Petters, Duke University; Marcus Werner, Kyoto University.

***Harmonic Analysis: New Developments on Oscillatory Integrals***, June 3 – 9, 2018 (20 participants)

*Organizers:* Philip T. Gressman, University of Pennsylvania; Larry Guth, Massachusetts Institute of Technology; Lillian B. Pierce, Duke University.

***Quantum Symmetries: Subfactors and Fusion Categories***, June 10 – 16, 2018 (20 participants)

*Organizers:* David Penneys, The Ohio State University; Julia Plavnik, Texas A & M University; Noah Snyder, Indiana University.

***Number Theoretic Methods in Hyperbolic Geometry***, June 10 – 16, 2018 (20 participants)

*Organizers:* Benjamin Linowitz, Oberlin College; David Ben McReynolds, Purdue University; Matthew Stover, Temple University.

***Agent-based Modeling in Biological and Social Systems***, June 17 – 23, 2018 (40 participants)

*Organizers:* Andrew Bernoff, Harvey Mudd College; Leah Edelstein-Keshet, University of British Columbia; Alan Lindsay, University of Notre Dame; Chad Topaz, Williams College; Alexandria Volkening, Mathematical Biosciences Institute at Ohio State; Lori Ziegelmeier, Macalester College.

The online application form for the 2018 MRC's is already available at <http://ams.org/programs/research-communities/mrc-18>, and applications are due by February 15, 2018.

Proposals for the 2019 MRCs are due on November 30, 2017. This year, in addition to soliciting proposals from teams of mid-career and senior mathematicians, groups of postdocs, junior faculty, and mature graduate students were invited to submit pre-proposals outlining potential topics, problems, and senior personnel for an MRC. The response was very strong.

Additional information about the MRC program, including guidelines for preparing proposals, can be found at <http://ams.org/programs/research-communities/mrc-proposals-19>.

*T. Christine Stevens*  
*Associate Executive Director*

*Thomas H. Barr*  
*Special Projects Officer*

*November, 2017*

MRC Advisory Board Members: Yuli Baryshnikov, J Brian Conrey, Mathias Drton, Irene Fonesca, Wolfgang Kliemann, Jill Pipher, Christian Ratsch, Emily Riehl, Carla Savage, Kevin Vixie





**AMS Committee on Women in Mathematics (CoWiM)  
Report to Committee on the Profession (CoProf)  
October, 2017**

**CoWiM members**

- Christine Heitsch
- Susan Loepp
- Lillian Pierce
- Chad Topaz (chair)
- Suzanne Weekes

**Committee communication**

- In-person meeting, Friday, January 6, 2017 at JMM Atlanta
- Teleconference, Wednesday, June 28, 2017
- Approximately 80 messages exchanged asynchronously

**Priorities**

Women's participation in mathematics depends on a complex suite of factors that are still the subject of ongoing research. During CoWiM's January meeting at JMM (see above) we agreed to focus on the climate that women experience within academic departments. See "Data on Climate" below. Additionally, we considered three other potential priorities suggested to us by various sources.

- (1) Rewrite and refine CoWiM's official charge.
- (2) Increase the gender diversity amongst winners of AMS prizes, awards, fellowships, and
- (3) Reduce bias on processes across AMS by making a recommendation to CoProf on training for elected officers, committee members, and so forth.

CoWiM had a strong consensus that priority (1) is unnecessary. The charge currently reads

In order to support the broadest possible participation of women in mathematics, the Committee on Women in Mathematics (CoWiM) will collect and disseminate data, propose actions to encourage participation, career development and recognition of women in mathematics, and promote best practices within the mathematical community.

CoWiM felt enthusiastic about priority (2); see below.

As for priority (3), CoWiM expressed agreement with the spirit of the suggestion, but felt that training is not always effective, and/or should not be the highest priority.

### **Data on Climate**

Initially in collaboration with the AWM Policy and Advocacy Committee, CoWiM discussed and developed goals for a study on the climate for women in academic departments. This discussion resulted in a memo ([https://docs.google.com/document/d/1jAA\\_v8VUEsntSHZe5bF2rFAZYqI9I2340ftDUP7G3hM/edit](https://docs.google.com/document/d/1jAA_v8VUEsntSHZe5bF2rFAZYqI9I2340ftDUP7G3hM/edit)) circulated to various AMS staff. The AMS staff has taken preliminary efforts to construct a survey for gathering data. There is also an NSF-supported study, the STEM Inclusion Survey (<http://www.steminclusion.com/>) with some overlapping goals. Many of the department climate factors about which CoWiM is curious are likely to be addressed either through an internally administered, customized AMS survey or through the STEM Inclusion Study, which we understand the AMS to have now signed on to. Once CoWiM has data from one or both of the aforementioned sources, we envision using it to focus our future efforts. In the mean time, we are against developing targeted activities related to inclusion until we have reliable data indicating which aspects of academic departmental climate create the most severe challenges for women.

### **Gender Representation and AMS Prizes/Awards/Fellowships**

To help us understand some mechanics of AMS prizes, awards, and fellowships (henceforth, “prizes,” for brevity) CoWiM assembled a preliminary list of questions and submitted this to AMS staff. From our interchanges with the staff, we learned several facts potentially related to gender representation of nominees and winners.

Each prize description is set by the AMS Council, and that description guides the call for nominations. There is some flexibility in the language of the call. CoWiM wonders if it would be worthwhile to audit the calls and invoke this flexibility to maximize gender inclusivity.

There exists a list of prize committee best practices (<http://www.ams.org/about-us/governance/policy-statements/best-practices-prize-committees>). When AMS staff send nominations to each selection committee, they attach this list of best practices and call attention to it. There is currently no way to know whether these practices are followed. CoWiM wonders if mechanisms could be put in place to assess adherence to these guidelines.

One of the recommended best practices known to increase the representation of women is to make a list of top nominees before beginning debate on any candidate. As follows directly from the previous point, it is not currently known whether this recommendation is followed on AMS prize committees. CoWiM wonders if AMS could request a confidential list from each prize committee strictly for the purpose of keeping gender statistics.

The lack of statistics on gender amongst nominees extends to winners. While winners of prizes are announced publicly, it is CoWiM’s understanding that statistics on gender of winners are not

tabulated. CoWiM feels it would be helpful to tabulate these statistics, and encourages CoProf to add these to their list of statistics recommended for tabulation and reporting.

### **Future Meetings**

CoWiM will meet face-to-face at the Joint Mathematics Meetings in San Diego during January, 2018.

*Chad Topaz*  
*October 30, 2017*



**AMS Library Committee, 2017 Annual Report, November 9, 2017**

The AMS library committee met at the 2017 Joint Mathematics Meetings in Atlanta. The agenda from that meeting is below.

Steven Kaliszewski and JoAnn Sears were appointed co-chairs effective February 1, 2017. Other members are Dustin Mixon, Michael Noga, Brian Quigley, Mira Waller, Alan Weinstein, and Martha Yip.

The committee is scheduled to meet 1:00-2:00 PM on Friday, January 12, 2018 at the Joint

Meetings in San Diego. Not all members plan to attend the meeting in person. Agenda items are being considered.

Steven Kaliszewski (Arizona State University), co-chair

JoAnn Sears (Ivy Tech Community College), co-chair.

**Agenda from the previous 2017 Library Committee meeting, January 6, 2017, Atlanta:**

\* Informational session about De Gruyter mathematics collections. (Emily Farrell, De Gruyter)

\* Discussion around this August 2016 Scholarly Kitchen article

(<https://scholarlykitchen.sspnet.org/2016/08/22/vindicated-by-its-critics-the-kent-study-in-light-of-subsequent-research-on-library-circulation/>) and what the AMS can do to support library-faculty interactions. (Robert Harington led discussion)

\* Update on eBooks for individuals and digital rights management (DRM) developments at the AMS. (Robert Harington)

\* Update on MathSciNet development. (Ed Dunne)

\* Construction of the third State of the Mathematics Libraries survey. (JoAnn Sears)



## 2017 Annual Report of the Fan Fund Committee

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The Fan Fund Committee for 2016 consisted of Catherine Yan, Hongkai Zhao and Fanghua Lin (Chair). We received several high quality proposals. After some careful studies and discussions on the both scientific and budgetary sides, the committee made following recommendations:

The committee recommended to support the Proposal by Professor Jingqiao

- 1) Duan from the Department of Applied Mathematics, Illionis Institute of Technology with the full amount \$5000 as they requested.
- 2) The committee also recommended to support the proposal by Wujie Shi from Chongqin University of Arts and Sciences, but with reduced amount \$2500 as they should be able to also obtain a matching support from its local institutions.
- 3) The committee also recommended the proposal from Sheng, Qin of Baylor University. After a careful estimate, the committee believe the support amount \$3600 in total would be rather reasonable.

In conclusion, for AY 2017, the committee recommended the total \$10300 amount support from Fanfund.

Submitted by Fanghua Lin  
October 11, 2017

Fan Fund Committee Members: Fang Hua Lin, Catherine Huafei Yan, Hongkai Zhao





**Report of the Arnold Ross Lecture Series Committee**

November 10, 2017

The 2017 Arnold Ross Lecture will be given on November 15 at the Orlando Science Center in Orlando Florida. This year's lecturer will be Ken Ono the Asa Griggs Candler Professor of Mathematics at Emory University. His title is *Why does Ramanujan, 'The Man Who New Infinity', matter.*

Last year, the committee originally invited Professor Tadashi Tokeida for the 2017 Arnold Ross Lecture. He was unable to accept for personal reasons and asked if the invitation could be deferred to 2018. The committee, joined by Steven Miller who would be rotating on in 2017, agreed. This year the current committee affirmed this decision and extended an offer to Professor Tokeida and he accepted. The 2018 Lecture will be held at the St. Louis Science Center. We are currently waiting for Professor Tokeida for final confirmation of the date and holding the dates October 23 and 24 and November 8.

We thank Robin Hagan Aguiar for the organizational support she has provided.

David Marker, Chair (University of Illinois at Chicago)  
Steven Miller (Williams College)  
Mark Tomforde (University of Houston)  
Glen Whitney (Museum of Mathematics)



November 10, 2017

To the AMS Council,

The following is the report of the short course committee for 2017.

The committee currently consists of the following members

- Gregory Bard (U Wisconsin– Stout)
- Andrew Bernoff (Harvey Mudd College)
- Irene Fonseca (Carnegie Mellon U)
- Joel Hass (U California – Davis)
- Gregory Lawler (U Chicago)
- Seth Sullivant (North Carolina State U) (Chair)
- Joel Tropp (California Institute of Technology)

For the 2018 Short Course, the Committee received 5 submissions. The committee met via phone conference on March 3, 2017 to discuss the submissions. We chose the proposal entitled “Discrete Differential Geometry” which will run during the 2018 JMM. Of the other 4 proposals, the committee felt that the best was a proposal by Marta Lewicka, and collaborators. We contact her to encourage her to consider applying again with a revised version of the proposal.

At the suggestion of Tom Barr, we encouraged the proposers of the successful proposal on “Discrete Differential Geometry” to write an article for the Notices of the AMS advertising their short course. This appeared in the November 2017 edition of the Notices. It will be good if the AMS can track whether or not this had a positive effect in terms of attendance at the short course.

The committee has made a number of contacts trying to recruit proposals for 2019. As of this writing we have not received any submissions (the deadline is December 18, 2017).

The committee also discussed the possibility of including short courses focused more towards training of grad students, postdocs, or faculty for nonacademic careers. This seems in line with the original intent of the short course program, though not the way most AMS short courses run. The committee was in general in favor of this suggestion, but no conclusions were reached about how to carry this out in practice

Sincerely,



Seth Sullivant  
Professor of Mathematics  
North Carolina State University  
Chair of AMS Short Course Committee



### Report from Liaison Committee with the AAAS

For many years, the AMS has provided the majority of funding for mathematics related activities at the annual meeting of the American Association for the Advancement of Science (AAAS). The principal activity of the Liaison Committee is “to generate and review mathematics-related programs and activities at AAAS meetings in close contact with AMS representatives to the AAAS and with the Officers of Section A.” (Section A is the mathematics section of AAAS, although the Liaison Committee also discusses potential activities for Section Q, which is the section focused on education.)

The Liaison Committee meets at each annual meeting of the AMS and its discussion is transmitted to the business meeting of Section A, which takes place at the annual meeting of AAAS each February.

Although mathematicians belong to AAAS for a variety of personal reasons, collectively Section A (Mathematics) sees the promotion of mathematics in the scientific community as a major responsibility. We want scientists to be aware of novel and creative applications of mathematics to science and society, and of those breakthroughs in mathematics significant enough to reach the popular and scientific media.

Arranging for mathematics symposia is part of meeting this responsibility. Because this type of activity -- presentations by mathematicians to a scientific, and therefore quantitatively literate, audience -- is unique to the AAAS meeting, Section A leadership, with the support of the mathematics societies, recruits and nurtures symposium proposals. This process begins with a meeting in January of a committee of the mathematics societies, where topics and organizers are identified, and continues through the Section A February meeting at the AAAS annual meeting, and subsequent formal and informal consultation.

The most recent meeting of the Committee was January 2017 in Baltimore. In keeping with an initiative begun by Section A Chair Eric Friedlander, the LIAWAAAS discussed ways Section A could foster alignment AAAS Science Policy efforts with needs of the mathematics community.

The Committee also reviewed the mathematics program at what was the upcoming AAAS meeting in Boston (February 2017) and discussed a number of potential topics for symposia or major talks at the 2018 AAAS meeting, to be held in Austin.

The names of specific organizers were solicited, and various members of the Liaison Committee

were assigned to contact these people in order to bring proposals to the Section A business meeting in February. Each year, a final report connecting the AMS' support for speakers to the mathematics program at the AAAS is sent in April to the Executive Committee and Board of Trustees (ECBT) of the AMS.

The Liaison Committee serves as an excellent starting point for assembling proposals for the mathematics portion of each AAAS meeting, and it has functioned smoothly for a number of years in this capacity. There is broad representation from the mathematics community on the Liaison Committee, extending beyond the AMS. In this way, the Society provides support for AAAS that extends beyond its financial commitments.

Andy Magid Secretary, Section A, AAAS  
*October 30, 2017*

**2017** Hyman Bass, Sylvain E Cappell, Eric M Friedlander (CH), Philip T Gressman, Susan Holmes, Reinhard C Laubenbacher, Deborah Frank Lockhart, Andy R. Magid, Linda R Petzold, Philip Uri Treisman

### JCEO annual report to the AMS, 2017

The following is a brief report on the activities of the AMS-MAA-SIAM Joint Committee on Employment Opportunities for 2017.

**Annual Meeting.** The JCEO held its annual meeting for 2017 on Friday, January 6 at JMM17 Hyatt regency Atlanta (GA). In attendance were committee members Richard Lehoucq (SIAM), Susan Durst (MAA), Doug Ensley (MAA), Ilie Ugarcovici (AMS), Tao Mei (AMS), and society staff members T. Christine Stevens (AMS), Tom Barr (AMS), Diane Boumenot (AMS), Pamela Morin (AMS), Linda Thiel (SIAM), Kristen Wesley (MAA).

The main agenda items were as follows:

- AMS business:
- JCEO articles:
- AMS: Diane Boumenot updated the committee on the employment center, Follow Up EC survey, employment services statistical report, help desk, MathJobs.org.
- MAA: Kristen Wesley, Director of Marketing and Communication, reported to the Committee. The Association expects to have a soft launch of the MAA Career Resource Center on its web site in early 2017.
- SIAM: Linda Thiel reported on the successful career fair held at the SIAM annual meeting in Boston, MA, with over 1,500 attendees. She also provided updates on the SIAM career opportunities committee, and job board.
- BIG career booth: Tom Barr reported on the BIG Career Booth in the exhibit area at this years JMM. This activity, partly under the aegis of JCEO, provided business, industry, and government representatives a "time-share" venue at which to provide information, network, and recruit. Several hundred individuals visited the companies that purchased time slots in the Booth.
- Preliminary discussion on the future role of the Committee was held. There was a discussion of broadening the charge to allow for a wider scope of career development discussions and recommendations. The society liaisons agreed to obtain feedback from their respective societies on future directions.

**Help Desk at JMM.** The JCEO staffed a help desk for two days within the employment center during Thursday and Friday. Staffers used a sign-up sheet with twenty minute time slots due to the popularity of the service.

-Respectfully submitted by Rich Lehoucq, JCEO chair, November 10, 2017.

Other committee Members: Paul Constantine, Susan Durst, Douglas Ensley, Lisa Goldberg, Tao Mei, Matthew Richey, Henry Schenck, Chris Stevens, Gerard Venema





## 2017 ANNUAL REPORT OF THE AMS-ASA-MAA-SIAM DATA COMMITTEE

Prepared by AMS Staff with Amanda L. Golbeck, Chair, AMS-ASA-MAA-SIAM Data Committee,  
 Professor and Associate Dean, Fay W. Boozman College of Public Health, University of Arkansas for  
 Medical Sciences, Little Rock, AR,  
 agolbeck@uams.edu  
 December 31, 2017

The Annual Survey Data Committee guides the collection and dissemination of data on matters of concern to the mathematical sciences community. The committee held its annual meeting during the Joint Mathematics Meetings in Atlanta, GA in January 2017. The committee discussed data gathered and published during the previous year and made recommendations on data to be gathered in 2017. AMS Staff in Providence, under the direction of T. Christine Stevens, Associate Executive Director for Meetings and Professional Services, carry out the annual collection and analysis of data and the writing of the reports jointly with the committee chair. AMS staff members involved in this work during 2017 included Thomas Barr, Special Projects Officer, Colleen Rose, AMS Survey Analyst, and Kayla Roach, AMS Survey Assistant.

Based on data gathered in questionnaires sent to departments of mathematical sciences in the U.S. and to new doctoral recipients that earned degrees between July 1, 2015–June 30, 2016, five reports were published in the *Notices of the AMS*\*

Staff at AMS handled fifteen requests for specialized reports drawn from the Annual Survey Data. Five of these reports were faculty salaries peer analyses, and ten were special analyses of data.

Members of the committee for 2017 and the organization they represent are given below. Terms expire on January 31 of the listed year.

Thomas Barr	AMS	Ex Officio
Skip Garibaldi	AMS	2020
Amanda L. Golbeck	ASA	2019
Abbe H. Herzig	AMS	2020
John Holcomb	MAA	2020
Mark Huber	AMS	2019
Patti Lock	MAA	2018
Nate Ritchey	MAA	2018
Alexander Suci	AMS	2019
Bogdan Vernescu	SIAM	2019
Qing Wang	AMS	2020

\* 2016 Annual Survey of the Mathematical Sciences, edited by Amanda L. Golbeck, Thomas H. Barr, and Colleen A. Rose:

- Preliminary Report on the 2014–2015 New Doctoral Recipients, *Notices of the AMS* (2016), Volume 63, Number 1, p. 246.
- Faculty Salary Survey, *Notices of the AMS* (2017), Volume 64, Number 8, pp. 390–396.
- Report on Academic Recruitment and Hiring Survey, *Notices of the AMS* (2017), Volume 64, Number 6, pp. 582–586.
- Report on the 2014–2015 Survey of New Doctoral Recipients and Starting Salary of New Doctoral Recipients, *Notices of the AMS* (2016), Volume 63, Number 7, pp. 754–765.
- Departmental Profile Report: Faculty Profile, Enrollment and Undergraduate Majors Profile and Graduate Student Profile, the *Notices of the AMS* (2016), Volume 63, Number 11, pp. 1262–1271.

Attachment:

AMS-ASA-IMS-MAA-SIAM Surveys of U.S. Mathematical Sciences Departments

## AMS-ASA-IMS-MAA-SIAM Surveys of U.S. Mathematical Sciences Departments

The AMS-ASA-MAA-SIAM Data Committee gives advice to AMS staff about annual data gathering from U.S. departments in the mathematical sciences. This data gathering was started by AMS in 1957 and has continued uninterrupted since that time. The MAA joined this effort in 1989 and in more recent times IMS, ASA and SIAM have become sponsors. AMS staff, under the Associate Executive Director for Meetings and Professional Services, carries out the survey work. The Chair of the Data Committee and appropriate personnel at AMS currently write reports each year which are published in *Notices of the AMS* based on the annual surveys. The current surveys are highlighted below.

**New Doctoral Recipients:** Each calendar year the data gathering begins in April. Doctoral granting departments in the Mathematical Sciences in the U.S. are asked to report a variety of information about their new doctoral recipients from July 1 the previous year through June 30 of the current year. The departments are asked for the names of their new doctoral recipients, dissertation titles, addresses, citizenship, current employment status, etc. A preliminary report on the information gathered by early fall is typically published in the following March issue of the *Notices of the AMS* with a final report published in the August issue of *Notices of the AMS*.

**Academic Recruitment and Hiring:** Each July, departments are asked to report on their efforts to recruit new faculty during the previous year and report on the new faculty hired as a result of their recruiting. The results of this survey are typically published in a spring issue of *Notices of the AMS*.

**Faculty Salaries:** Each September, a questionnaire is sent to Mathematical Sciences departments in all 4-year colleges and universities in the U.S. asking them to provide salary information for all tenured or tenure-track faculty in their department for the upcoming academic year. This information is reported by group (see group definitions below) and by rank. Information gathered for this report is typically published in a spring issue of the *Notices of the AMS*.

**Employment Experiences of New Doctoral Recipients:** Beginning each October, further information is gathered about new doctoral recipients. Using the names and addresses of new doctoral recipients provided earlier on the Survey of New Doctoral Recipients, a questionnaire is sent to each new doctoral recipient asking for his or her current employment status, salary, gender, etc. This information, combined with the final data gathered on the Survey of New Doctoral Recipients, provides a more comprehensive look at the new doctoral recipients as well as giving information about their starting salaries. This information is typically published in the August issue of *Notices of the AMS*.

**Departmental Profile: Faculty Profile, Enrollment and Degrees Awarded Profile, Graduate Student Profile:** In January, another questionnaire is sent to all departments of Mathematical Sciences awarding a doctoral or master's degree and to departments awarding at most a bachelor's degree. It asks them for details about number and type of faculty, enrollments in courses by broad categories, number and type of graduate students in departments with graduate programs, etc. Information from this questionnaire is used to provide a profile of each reporting group of departments. The results are typically published in a fall issue of *Notices of the AMS*.

**Group definitions.** Departments in the U.S. are divided into groups, and results are given for each of these groups in reporting on these surveys. The Data Committee adopted the current grouping scheme in the 2012 cycle of surveys. For more details see <http://www.ams.org/profession/data/annual-survey/groups>.

**Other activities.** The Annual Survey Data Committee also offers guidance to AMS survey staff on the data gathered for presentation as an online resource for prospective students in the Mathematical Sciences. This online resource *Graduate Programs in the Mathematical Sciences*, available at

<http://www.ams.org/programs/students/findgradprograms/findgradprograms> is primarily intended as a convenient source of comparative information on graduate programs in the mathematical sciences. Prior to 2012, this information was published as guidebook titled *Assistantships and Graduate Fellowships in the Mathematical Sciences*.

At times the committee advises other groups contemplating gathering data from departments of Mathematical Sciences. This may include informing them that such data is already available and steering them to it. When asked, the committee makes suggestions on questionnaires that other groups are planning to use to gather data.

From time to time departments ask for salary information for a peer group of their department. The staff at AMS provides this information whenever an appropriate peer group is available and the confidentiality of individual department responses can be assured. The committee currently holds a half-day meeting at the Joint Mathematics Meetings in January each year.

**2017 Annual Report****The AMS-MAA Joint Committee on Teaching Assistants and Part-Time Instructors**

*Members:* Solomon Friedberg (Chair), John D. Boller, David Futer, Angela K. Kubena, Jean Marie Linhart, Edward Lowell Richmond, Tom Roby, Michael J. Weingart.

It is with great sadness that we start this report by noting the passing of Distinguished Professor of Mathematics Jeffrey B. Remmel of the University of California, San Diego. Jeff was a past chair of this committee and a significant contributor to it. He will be missed.

*Activities:* The committee organized a special session entitled “Teaching Assistant Development Programs: Why and How?” at the Joint Math Meetings in Atlanta in January 2017. This special session also had the support of the MAA Committee on Professional Development, which served as co-sponsor. The special session organizers were Solomon Friedberg, Chair of the AMS-MAA Joint Committee, Jeff Remmel (UCSD), the immediate past chair of the AMS-MAA Joint Committee, Jessica Deshler (West Virginia University), a member of the MAA Committee on Professional Development, and Lisa Townsley (University of Georgia). The session showcased both practice and research on TA development. It was very well attended, and many attendees reported that they found it helpful to learn of the range of TA development efforts taking place nationwide.

The Committee has planned two events for the 2018 joint meetings: A panel discussion on Teaching-Focused Faculty at Research Institutions, moderated by Tom Roby, and a panel discussion on The Experiences of Foreign Graduate Students as GTAs, moderated by Solomon Friedberg.

*Committee Meeting:* In the committee’s meeting in January 2017, we raised the following issues for further consideration:

(1) Part-Time Instructors: The role of part timers in math departments may well be changing. We need more data about the range of situations and roles of part time instructors in college and university math departments. The impression of committee members is that part timers often need advocacy. They may be thrown into a classroom with short notice and very little training. Though such actions may occasionally be necessary in view of last second contingencies, it might be helpful to provide the profession with benchmarks for their work conditions or descriptions of programs that make good use of part time instructors.

(2) Full-time teaching-focused (FTTF) faculty: The increased use of full-time teaching-focused faculty, often in non-tenure track but indefinitely renewable positions, has been widely documented. This is a new and growing issue that should, in the Committee’s view, be considered immediately by the math professional organizations. This committee is a good possible place to consider this issue. For example, universities may well be replacing more part timers with FTTF faculty, and there are also institutions where people take part-time positions hoping to work their way up to being hired as a FTTF faculty member. So it is directly related to the charge of the committee.

The committee formulated a data request related to the two issues noted above. Chair Friedberg contacted the AMS and was put in touch with Thomas H. Barr, and Dr. Barr discussed our data requests with Chair Friedberg over 6 months ago. However to date we have not received any information.

*Solomon Friedberg  
November 11, 2017*



10/31/2017 2017 Annual Report of the Representative to the Canadian Mathematical Society

The CMS did not have a summer meeting this year. Instead, the CMS held an information session for new board members. The notice for that session was as follows:

For this meeting, we have combined the CMS meeting and MCA2017. In June, the Board of Directors did an electronic vote for CMS business matters. At the meeting next week, we are having an information session only for new Board members and Chairs. It will not be a regular business meeting. You are welcome to attend, but I'm not sure it would be of much interest to you. We will have teleconferencing available. I can send you the coordinates if you would like to join. The meeting is scheduled for Wednesday, July 26th at 12:30.

Submitted by Jennifer Taback (AMS Representative to the Canadian Mathematical Society)





REPORT of the Mathematical Council of the Americas (MCofA) meeting Sunday July 23, 2017

29 people were recorded as present

#### AGENDA ITEMS

Susan Friedlander, as Chair of the MCofA executive committee opened the meeting.

It was recognized and appreciated that many of the Societies and Institutes of the MCofA made significant financial contributions to MCA2017. In particular, these contributions were essential for funding travel to Montreal by mathematicians without other travel funds.

Marcelo Viana, the MCofA Treasurer presented the financial report. To date the MCofA account has \$19,300. All of these funds come from payment of dues. The funds are held by the AMS.

An MoU between the IMPA and the MCofA under which the IMPA will act as the Treasurers office was presented (see attached MoU) and no objections were raised.

An MoU between the AMS and the MCofA under which the AMS will administer the funds was presented (see attached MoU) and no objections were raised.

An MoU between the CMS and the MCofA which defined the terms and services for the MCA2017 was presented (see attached MoU) and no objections were raised.

Jacques Hurtubise, as the Chair of the organizing committee of the MCA2017 reported on the work involved in the overall organization. No problems were reported. The expectation was that the finances of the Congress would approximately break even.

There was discussion about the dates of the MCA conflicting with annual meetings of the MAA and SIAM. A motion passed recommending that in future the organizers of an MCA choose dates that do not conflict with the annual meetings of any of the 5 "large" societies affiliated with the MCofA unless this is agreed by the large Society.

It was recommended that MCofA approach Nassif Massoud suggesting that BIRS/CMO become a joint Institutional Member of the MCofA. Marcelo Viana and/or Alejandro Adem will do this.

The Council approved the plan of Marcelo Viana that the MCofA apply for affiliate membership of the IMU and authorized Marcelo Viana to contact the IMU with this request. A draft of his message to the IMU is attached.

The MCofA approved the bid of Argentina to host MCA2021 in Buenos Aires. The organizers were strongly recommended to ensure that there will be at least 50 special sessions at MCA2021.

#### GENERAL DISCUSSIONS

Take steps to increase the visibility of activities of the MCofA in a number of ways.

In particular, start a Newsletter. Jose Castillo volunteered to set up the template for such a newsletter. Once it

is set up we need a volunteer for an Editor. The Newsletter might follow the lines of the ICIAM newsletter.

A subcommittee of James Colliander and Marcelo Viana was appointed to link MCofA with the social media, blogs etc.

Possible activities for MCofA outside the MCAs were discussed. These include giving small seed grants to help underfunded workshops for young people in "poorer" parts of the Americas. A mechanism for giving the MCofA "seal of approval" to workshops and summer schools. Both activities will require designing and publicizing an application mechanism. Helping Institutes in different countries co-ordinate joint workshops and possible "virtual" conferences via web connections.

Such activities were also discussed at a meeting of Institute Directors during the MCA.

Set up better ways for members of the MCofA to communicate and stay in touch. Possibly have an additional meeting of members in person at the JMM in the year 2 years after the MCA.

Submitted by Susan Friedlander,  
Chair of the Executive Committee of the MC of A  
August 3, 2017



# The AMS Fellows Program

[I. Program](#)

[II. Initial Implementation](#)

[III. Selection Process](#)

[IV. Footnotes](#)

[Appendix A: Change history](#)

This is a document describing the Fellows program that was approved by the AMS membership in 2011 and subsequent changes approved by the Council. As specified in the member-approved proposal, details of the program may be changed by the AMS Council, keeping in mind the intent of the membership when the initial program was approved.

A change history to this document is available in Appendix A.

## Goals of the Fellows Program

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The goals of the Fellows Program are to:

1. Create an enlarged class of mathematicians recognized by their peers as distinguished for their contributions to the profession.
  2. Honor not only the extraordinary but also the excellent.
  3. Lift the morale of the profession by providing an honor more accessible than those previously available.
  4. Make mathematicians more competitive for awards, promotion and honors when they are being compared with colleagues from other disciplines.
  5. Support the advancement of more mathematicians in leadership positions in their own institutions and in the broader society.
-

## I. Program

- A. The Fellows program of the American Mathematical Society recognizes members who have made outstanding contributions to the creation, exposition, advancement, communication, and utilization of mathematics.
- B. The responsibilities of Fellows are to:
  - 1. Take part in the selection of new Fellows.
  - 2. Present a “public face” of excellence in mathematics.
  - 3. Advise the President and/or the Council on public matters when requested.
- C. The target number of Fellows will be determined by the AMS Council as a percentage of the number of members. [1] The target percentage will be revisited by the Council at least once every ten years and may be increased or decreased in light of the history of the nomination and selection process. The intended size of each year’s class of new Fellows should be set with this target size in mind.
- D. Following a selection process (see below), individuals are invited to become Fellows. They may decline and they may also resign as Fellows at any time.
- E. Fellows receive a certificate and their names are listed on the AMS website. The names of new Fellows are also included in the Notices each year.
- F. If they are not already Fellows, the AMS President and Secretary are made Fellows when they take office.

## II. Initial Implementation

- A. In the initial year of the program, individuals who were AMS members during both the years 2010 and 2011 and who had done one or more of the following were invited to become AMS Fellows: [2]
  - 1. Given an invited AMS address (including at joint meetings). [3]
  - 2. Been awarded an AMS research prize. [4]
  - 3. Given an invited address at an International Congress of Mathematicians (ICM) or an International Congress of Industrial and Applied Mathematicians (ICIAM). [3]
- B. An additional 50 individuals who were AMS members during both the years 2010 and 2011 were selected to become AMS Fellows. These were chosen by a committee appointed by the President with the advice of the Executive

Committee of the Council. Attention was paid to selecting AMS members recognized for their contributions beyond research.

### III. Selection Process

- A. New Fellows are selected each year after a nomination process. The nomination process is carried out under the direction of the Secretary with help from the AMS staff. The procedures for nominating AMS Fellows are available on the AMS website.
- B. The Selection Committee will consist of twelve members of the AMS who are also Fellows, each serving a three-year term, and with four new members appointed each year. The AMS president, in consultation with the Executive Committee of the Council, appoints the new members of the Selection Committee in November of each year. At the same time, the President nominates a continuing member of the Selection Committee to serve as Chair.
- C. The Selection Committee accepts nominations for Fellows between February 1 and March 31 each year. Nominations are made by members of the AMS. A member can nominate no more than 2 nominees a year. Current members of the Selection Committee are not allowed to participate in a Fellows nomination either as a principal nominator or as a supporting member.
- D. To be eligible for nomination to Fellowship, an individual must be an AMS member for the year in which he or she is nominated as well as for the prior year. Self-nominations are not allowed.
- E. A principal nominator must supply a package with the following information on the nominee:
  1. A Curriculum Vitae *of no more than five pages*.
  2. A citation of fifty words or less explaining the person's accomplishments.
  3. A statement of cause of 500 words or less explaining why the individual meets the criteria of Fellowship.
  4. The signatures of the principal nominator and three additional (supporting) AMS members who support the nomination, with at least two of these individuals current Fellows. Each supporting member is asked to explain in a sentence or two why they are supporting the nomination. Their remarks will be very helpful to the selection committee.
- F. Any person who is nominated and is not selected a Fellow will remain an active nominee for a further two years.
- G. Each year the January Council provides a guideline for the number of Fellows to be selected. [5] The Selection Committee chooses Fellows from the

nominations bearing in mind this guideline, diversity of every kind, and the quality and quantity of the external nominations.

- H. Those members who are chosen by the Selection Committee are invited by the President to become new Fellows of the AMS.

## IV. Footnotes

- 1: The original proposal's recommendation to Council was 5% of members. At that time there were about 30,000 members so the number of Fellows would be about 1,500.
- 2: It was anticipated that the the seeding process described in II.A would produce offers of Fellows status to approximately 800 current AMS members.
- 3: An invited address is one given at the invitation of the program committee and delivered before January 1, 2012.
- 4: These are the Birkhoff, Bôcher, Cole, Conant, Doob, Eisenbud, Fulkerson, Moore, Robbins, Satter, Steele, Veblen, Whiteman, and Weiner prizes. Again, the prize must have been awarded before January 1, 2012.
- 5: It is anticipated that during a transition period of approximately 10 years about 75 new Fellows will be appointed each year. In the steady state of 1500, it is anticipated that about 40 new Fellows positions will occur annually due to attrition.

## Appendix A: Change history

Change history for the Fellows program document. Each row represents a Council action.

Date of Council Action	Reference to Minutes	Change required	Location in this document where change is found
		[update table in date-descending order, most recent first]	
Jan 2014	Section 4.10.2, p. 11	Council approved the sentence "Current members of the Selection Committee may not make nominations for Fellows." Council voted to clarify this by replacing this sentence with "Current members of the Selection Committee may not participate in a Fellows nomination either as a principal nominator or as a supporting member."	Item III, C.
Jan 2014	Section 4,10.3, p. 12	Council approved amending the proposed request to supporting nominators to read "Please explain in a sentence or two why you are supporting this nomination. Your remarks will be very helpful to the selection committee".	Item III, E, 4 updated with "Each Supporting AMS Member is asked to explain in a sentence or two why they are supporting the nomination. Their remarks will be very helpful to the selection committee."
Jan 2014	Section 4.10.1, p. 13	Council approved the Fellows Selection Committee recommendation that self-nominations no longer be allowed.	Item III, D.
April 2012	Section 4.6.1, p. 8	In the Selection Committee charge, Council approved removing the sentence "The Selection Committee has the discretion to make nominations to fulfill the general goals of the Fellowship". This document was also updated to reflect the same information as the charge.	Item III, G.





Statistics of Fellows Program (as of 10/06/2017)

Year	Members as of year end	Council Target	Total Nominees (inc. hold-overs)	Selected	Number of First year Nominees selected	Number of Second year Nominees selected	Number of Third year Nominees selected	Living Fellows as of September 2017
2012	29,200			1125	--	--	--	1121
2013	29,226	75	62	50	50	--	--	1158
2014	26,919	60	132	63	60	3	--	1211
2015	28,067	50	178	50	44	6	0	1253
2016	28,104	50-65	194	65	41	15	9	1303
2017	28,459	50-65	153	63	44	4	15	1358



**LAST UPDATED: 12/04/17 @ 9:15 AM by EHH**

**LIST OF SELECTED MEETINGS, HOLIDAYS, AND RELIGIOUS OBSERVANCES  
FOR USE BY AMS STAFF WHEN SCHEDULING AMS MEETINGS**

This is a list of dates and sites of various meetings, holidays, and religious observances that AMS staff has been instructed to avoid conflicting with when scheduling AMS meetings. It includes meetings of AMS Council, ECBT, ABC, Policy Committees, etc. This list is **NOT INTENDED TO BE ALL-INCLUSIVE** and **SHOULD BE USED IN CONJUNCTION WITH** the *Mathematics Calendar*: [www.ams.org/meetings/calendar/mathcal](http://www.ams.org/meetings/calendar/mathcal).

Please notify Sheila Rowland ([sjr@ams.org](mailto:sjr@ams.org)) or Ellen Heiser ([ehh@ams.org](mailto:ehh@ams.org)) of any changes that should be made to this file.

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
December 7, 2017 (Thu)	<a href="#">Conference Board of the Mathematical Sciences (CBMS) Council Meeting</a>	Washington, DC
December 2-4, 2017 (Sat-Mon)	<a href="#">Council of Scientific Society Presidents' (CSSP) Meeting</a>	Washington, DC
December 12-20, 2017 (Tue-Wed)	Hanukkah	---
December 25, 2017 (Mon)	Christmas Day	<i>All AMS Offices Closed</i>
January 1, 2018 (Mon)	New Year's Day	<i>All AMS Offices Closed</i>
January 9, 2018 (Tue)	<a href="#">AMS Council Meeting</a>	San Diego, CA
January 10-13, 2018 (Wed-Sat)	<a href="#">AMS-MAA Joint Mathematics Meetings (JMM)</a>	San Diego, CA
January 15, 2018 (Mon)	Martin Luther King, Jr. Day	<i>All AMS Offices Closed</i>
February 15-19, 2018 (Thu-Mon)	<a href="#">American Association for the Advancement of Science (AAAS) Annual Meeting</a>	Austin, TX
February 18-21, 2018 (Sun-Wed)	<a href="#">Council of Engineering and Scientific Society Executives (CESSE) CEO Meeting</a>	Fort Myers, FL
February 19, 2018 (Mon)	President's Day	<i>AMS DC Office Closed RI &amp; MI Offices Open</i>
March 10-13, 2018	<a href="#">American Council on Education (ACE) Annual Meeting</a>	Washington, DC
March 17-18, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	Ohio State University Columbus, OH
March 23, 2018 (Fri)	AMS Secretariat Meeting	Providence, RI
March 24, 2018 (Sat)	<a href="#">AMS Committee on Meetings &amp; Conferences (COMC)</a>	Providence, RI
March 30, 2018 (Fri)	Good Friday	---
March 30, 2018 (Fri)	Passover begins at sundown	---
March 31, 2018 (Sat)	Passover (first day)	---

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
April 1-7, 2018 (Sun-Sat)	Passover (days 2-8)	---
April 1, 2018 (Sun)	Easter	---
April 6, 2018 (Fri)	Agenda and Budget Committee (ABC) Meeting	Web Conference
April 7-8, 2018 (Sat-Sun)	<a href="#">USA Science &amp; Engineering Festival</a>	Washington, DC
April 10-11, 2018 (Tues-Wed)	<a href="#">AMS Committee on Science Policy (CSP) Meeting</a>	Washington, DC
April 14-15, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a> The <a href="#">Erdős Memorial Lecture</a> will be given by Andrea Bertozzi (date and time TBA)	Vanderbilt University Nashville, TN
April 14-15, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	Portland State University Portland, OR
April 21-22, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a> The <a href="#">Einstein Public Lecture in Mathematics</a> will be given by Edward Frenkel on April 21 (time TBA)	Northeastern University Boston, MA
April 25-28, 2018 (Wed-Sat)	<a href="#">National Council of Teachers of Mathematics (NCTM) Annual Meeting</a>	Washington, DC
April 28, 2018 (Sat)	<a href="#">AMS Council Meeting</a>	Chicago, IL
April 30, 2018 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 10, 2018 (Thu)	AMS Committee on Committees Meeting	Providence, RI
May 11-12, 2018 (Fri-Sat)	<a href="#">AMS Executive Committee and Board of Trustees (ECBT) Meeting</a>	Providence, RI
May 28, 2018 (Mon)	Memorial Day	<i>All AMS Offices Closed</i>
June 11-14, 2018 (Mon-Thu)	<a href="#">AMS Joint International Meeting with the Chinese Mathematical Society</a>	Fudan University Shanghai, China
July 4, 2018 (Wed)	Independence Day	<i>All AMS Offices Closed</i>
July 9-13, 2018 (Mon-Fri)	<a href="#">Society for Industrial and Applied Mathematics (SIAM) Annual Meeting</a>	Portland, OR
July 28-August 2, 2018 (Sat-Thu)	<a href="#">Joint Statistical Meetings (JSM)</a>	Vancouver, BC, Canada
July 29-30, 2018 (Sun-Mon)	<a href="#">International Mathematical Union (IMU) General Assembly</a>	São Paulo, Brazil
August 1-9, 2018 (Wed-Thu)	<a href="#">International Congress of Mathematicians (ICM 2018)</a>	Rio de Janeiro, Brazil
August 1-4, 2018 (Wed-Sat)	<a href="#">Mathematical Association of America (MAA) MathFest</a>	Denver, CO
August 13, 2018 (Mon)	Victory Day	<i>AMS RI Office Closed DC &amp; MI Offices Open</i>

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
September 3, 2018 (Mon)	Labor Day	<i>All AMS Offices Closed</i>
September 9-11, 2018 (Sun-Tue)	Rosh Hashanah	---
September 14-15, 2018 (Fri-Sat)	<a href="#">AMS Committee on Publications (CPUB) Meeting</a>	Chicago, IL
September 15-16, 2018 (Sat-Sun)	<a href="#">AMS Committee on the Profession (CoProf) Meeting</a>	Chicago, IL
September 23-25, 2018 (Sun-Sun)	Sukkot	---
September 29-30, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	University of Delaware Newark, DE
October 5, 2018 (Fri)	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 8, 2018 (Mon) <b>TENTATIVE</b>	AMS Mathematical Reviews Editorial Committee (MREC) Meeting	Ann Arbor, MI
October 8, 2018 (Mon)	Columbus Day	<i>AMS RI &amp; DC Offices Closed MI Office Open</i>
October 11-13, 2018 (Thu-Sat)	<a href="#">AMS Committee on Education (COE) Meeting</a>	Washington, DC
October 20-21, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	University of Michigan, Ann Arbor, MI
October 27-28, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	San Francisco State University San Francisco, CA.
October 29, 2018 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
November 3-4, 2018 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	University of Arkansas, Fayetteville, AR
November 11, 2018 (Sun)	Veterans' Day	---
November 12, 2018 (Mon)	Veterans' Day observed	<i>AMS RI Office Closed DC &amp; MI Offices Open</i>
November 16-17, 2018 (Fri-Sat)	<a href="#">AMS Executive Committee and Board of Trustees (ECBT) Meeting</a>	Providence, RI
November 22, 2018 (Thu)	Thanksgiving Day	<i>All AMS Offices Closed</i>
November 23, 2018 (Fri)	Day after Thanksgiving	<i>AMS RI &amp; DC Offices Closed MI Office Open</i>
December 2-10, 2018 (Sun-Mon)	Hanukkah	---
December 25, 2018 (Tue)	Christmas Day	<i>All AMS Offices Closed</i>

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
January 1, 2019 (Tue)	New Year's Day	<i>All AMS Offices Closed</i>
January 15, 2019 (Tue)	<a href="#">AMS Council Meeting</a>	Baltimore, MD
January 16-19, 2019 (Wed-Sat)	<a href="#">AMS-MAA Joint Mathematics Meetings (JMM)</a>	Baltimore, MD
January 21, 2019 (Mon)	Martin Luther King, Jr. Day	<i>All AMS Offices Closed</i>
February 14-18, 2019 (Thu-Mon)	<a href="#">American Association for the Advancement of Science (AAAS) Annual Meeting</a>	Washington, DC
February 18, 2019 (Mon)	President's Day	<i>AMS DC Office Closed RI &amp; MI Offices Open</i>
March 15-17, 2019 (Fri-Sun)	<a href="#">AMS Sectional Meeting</a>	Auburn University Auburn, AL
March 22-24, 2019 (Fri-Sun)	<a href="#">AMS Sectional Meeting</a> The <a href="#">Einstein Public Lecture in Mathematics</a> will be given by Barry Mazur on March 23	University of Hawaii at Manoa Honolulu, HI
April 3-6, 2019	<a href="#">National Council for Teachers of Mathematics (NCTM) Annual Meeting</a>	San Diego, CA
April 5, 2019 (Fri) <b>TENTATIVE</b>	Agenda and Budget Committee (ABC) Meeting	Web Conference
April 6, 2019 (Sat) <b>TENTATIVE</b>	<a href="#">AMS Council Meeting</a>	Chicago, IL
April 13-14, 2019 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	University of Connecticut Hartford Hartford, CT
April 19-27, 2019 (Fri-Sat)	Passover	---
April 19, 2019 (Fri)	Good Friday	---
April 21, 2019 (Sun)	Easter	---
April 29, 2019 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 16, 2019 (Thu) <b>TENTATIVE</b>	AMS Committee on Committees Meeting	TBD
May 17-18, 2019 (Fri-Sat) <b>TENTATIVE</b>	<a href="#">AMS Executive Committee and Board of Trustees (ECBT) Meeting</a>	TBD
May 27, 2019 (Mon)	Memorial Day	<i>All AMS Offices Closed</i>
June 10-13, 2019	<a href="#">AMS Joint International Meeting with the Vietnamese Mathematical Society</a>	Quy Nhon University Quy Nhon City, Vietnam
July 4, 2019 (Thu)	Independence Day	<i>All AMS Offices Closed</i>
July 15-19, 2019 (Mon-Fri)	<a href="#">International Congress on Industrial and Applied Mathematics (ICIAM)</a>	Valencia, Spain
July 27-August 1, 2019 (Sat-Thu)	<a href="#">Joint Statistical Meetings (JSM)</a>	Denver, CO

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
July 31-August 3, 2019 (Wed-Sat)	<a href="#">Mathematical Association of America (MAA) MathFest</a>	Cincinnati, OH
August 12, 2019 (Mon)	Victory Day	<i>AMS RI Office Closed DC &amp; MI Offices Open</i>
September 2, 2019 (Mon)	Labor Day	<i>All AMS Offices Closed</i>
September 29-October 1, 2019 (Sun-Tue)	Rosh Hashanah	---
October 1, 2019 (Tue)	last day of Rosh Hashanah	---
October 8-9, 2019 (Tue-Wed)	Yom Kippur	---
October 11, 2019 (Fri) <b>TENTATIVE</b>	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 12-13, 2019 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	Binghamton University, Binghamton, NY
October 13-20, 2019 (Sun-Sun)	Sukkot	---
October 14, 2019 (Mon) <b>TENTATIVE</b>	AMS Mathematical Reviews Editorial Committee (MREC) Meeting	Ann Arbor, MI
October 14, 2019 (Mon)	Columbus Day	<i>AMS RI &amp; DC Offices Closed MI Office Open</i>
October 28, 2019 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
November 2-3, 2019 (Sat-Sun)	<a href="#">AMS Sectional Meeting</a>	University of Florida, Gainesville, FL
November 11, 2019 (Mon)	Veterans' Day	---
November 22-23, 2019 (Fri-Sat) <b>TENTATIVE</b>	<a href="#">AMS Executive Committee and Board of Trustees (ECBT) Meeting</a>	Providence, RI
November 28, 2019 (Thu)	Thanksgiving Day	<i>All AMS Offices Closed</i>
November 29, 2019 (Fri)	Day after Thanksgiving	<i>AMS RI &amp; DC Offices Closed MI Office Open</i>
December 22-30, 2019 (Sun-Mon)	Hanukkah	---
December 25, 2019 (Wed)	Christmas Day	<i>All AMS Offices Closed</i>
January 1, 2020 (Wed)	New Year's Day	<i>All AMS Offices Closed</i>
January 14, 2020 (Tue)	<a href="#">AMS Council Meeting</a>	Denver, CO
January 15-18, 2020 (Wed-Sat)	<a href="#">AMS-MAA Joint Mathematics Meetings (JMM)</a>	Denver, CO
January 20, 2020 (Mon)	Martin Luther King, Jr. Day	<i>All AMS Offices Closed</i>

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
February 13-17, 2020 (Thu-Mon)	<a href="#">American Association for the Advancement of Science (AAAS) Annual Meeting</a>	Seattle, WA
February 17, 2020 (Mon)	President's Day	AMS DC Office Closed RI & MI Offices Open
April 3, 2020 (Fri) <b>TENTATIVE</b>	Agenda and Budget Committee (ABC) Meeting	Web Conference
April 8-16, 2020 (Wed-Thu)	Passover	---
April 10, 2020 (Fri)	Good Friday	---
April 12, 2020 (Sun)	Easter	---
April 27, 2020 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 14, 2020 (Thu) <b>TENTATIVE</b>	AMS Committee on Committees Meeting	Providence, RI
May 15-16, 2020 (Fri-Sat) <b>TENTATIVE</b>	<a href="#">AMS Executive Committee and Board of Trustees (ECBT) Meeting</a>	Providence, RI
May 25, 2020 (Mon)	Memorial Day	All AMS Offices Closed
July 4, 2020 (Sat)	Independence Day	---
July 5-11, 2020	<a href="#">8<sup>th</sup> European Congress of Mathematicians (8ECM)</a>	Portoroz, Slovenia
July 29-August 1, 2020	<a href="#">Mathematical Association of America (MAA) MathFest</a>	Philadelphia, PA
August 1-6, 2020 (Sat-Thu)	<a href="#">Joint Statistical Meetings (JSM)</a>	Philadelphia, PA
August 10, 2020 (Mon)	Victory Day	AMS RI Office Closed DC & MI Offices Open
September 7, 2020 (Mon)	Labor Day	All AMS Offices Closed
September 18-20, 2020 (Fri-Sun)	Rosh Hashanah	---
September 27-28, 2020 (Sun-Mon)	Yom Kippur	---
October 2-9, 2020 (Fri-Fri)	Sukkot	---
October 9, 2020 (Fri) <b>TENTATIVE</b>	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 12, 2020 (Mon) <b>TENTATIVE</b>	AMS Mathematical Reviews Editorial Committee (MREC) Meeting	Ann Arbor, MI
October 12, 2020 (Mon)	Columbus Day	AMS RI & DC Offices Closed MI Office Open
October 14, 2020 (Wed) <b>TENTATIVE</b>	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 21-24, 2020	<a href="#">National Council for Teachers of Mathematics (NCTM) Annual Meeting</a>	St. Louis, MO



DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
October 26, 2020 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
November 11, 2020 (Wed)	Veterans' Day	---
November 20-21, 2020 (Fri-Sat) <b>TENTATIVE</b>	<a href="#">AMS Executive Committee and Board of Trustees (ECBT) Meeting</a>	Providence, RI
November 26, 2020 (Thu)	Thanksgiving Day	<i>All AMS Offices Closed</i>
November 27, 2020 (Fri)	Day after Thanksgiving	<i>AMS RI &amp; DC Offices Closed MI Office Open</i>
December 10-18, 2020 (Thu-Fri)	Hanukkah	---
December 25, 2020 (Fri)	Christmas Day	<i>All AMS Offices Closed</i>
January 1, 2021 (Fri)	New Year's Day	<i>All AMS Offices Closed</i>
January 5, 2021 (Tue)	<a href="#">AMS Council Meeting</a>	Washington, DC
January 6-9, 2021 (Wed-Sat)	<a href="#">AMS-MAA Joint Mathematics Meetings (JMM)</a>	Washington, DC
July 19-23, 2021 (Mon-Fri)	<a href="#">Mathematical Congress of the Americas (MCA 2021)</a>	Buenos Aires, Argentina
January 5-8, 2022, (Wed-Sat)	<a href="#">AMS-MAA Joint Mathematics Meetings (JMM)</a>	Seattle, WA
January 4-7, 2023 (Wed-Sat)	<a href="#">AMS-MAA Joint Mathematics Meetings (JMM)</a>	Boston, MA