



COUNCIL MINUTES

Denver, Colorado

14 January 2020 at 1:30 p.m.

Prepared March 10, 2020



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The Council of the Society met at 1:30 p.m. (MST) on Tuesday, January 14, 2020 at the **Hyatt Regency Denver at Colorado Convention Center, 650 15th Street, Denver, Colorado**. There was a refreshment break at 3:45. A Council dinner was served at 7:30 p.m. in Capital Ballroom 7 on the 4th floor of the Hyatt Regency, followed by a post-dinner discussion.

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 approximately 1:50 p.m. and ended at 3:45 p.m.

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 and modified by the January 2019 AMS 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, veteran status, or immigration 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 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.

Society Governance

The American Mathematical Society has a bicameral governance structure consisting of the [Council](#) (created when the Society's constitution was ratified in December 1889) and the [Board of Trustees](#) (created when the Society was incorporated in May 1923). These bodies have the ultimate responsibility and authority for representing the AMS membership and the broader mathematical community, determining how the AMS can best serve their collective needs, and formulating and approving policies to address these needs. The governing bodies determine what the Society does and the general framework for how it utilizes its volunteer, staff, and financial resources.

The **Governance Leadership** consists of the [Officers](#) (President, President Elect or Immediate Past President, three Vice Presidents, Secretary, four Associate Secretaries, Treasurer, and Associate Treasurer), the [Council](#), [Executive Committee of the Council](#), and [Board of Trustees](#).

The [Council](#) formulates and administers the scientific policies of the Society and acts in an advisory capacity to the Board of Trustees. [Council Meetings](#) are held twice a year (January and the spring).

The [Board of Trustees](#) receives and administers the funds of the Society, has full legal control of its investments and properties, and conducts all business affairs of the Society. The Trustees meet jointly with the [Executive Committee of the Council](#) twice a year (May and November) at [ECBT Meetings](#).

The Council and Board of Trustees are advised by nearly 100 [Committees](#), including five **Policy Committees** ([Education](#), [Meetings and Conferences](#), [Profession](#), [Publications](#), and [Science Policy](#)) and over 20 [Editorial Committees](#) for the various [Journals](#) and [Books](#) it publishes.

The Council and Board of Trustees are also advised by the [Executive Director and the Executive Staff](#), who are responsible for seeing that governance decisions are implemented by the Society's 210 staff members.

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1 Call to Order

1.1 Opening of the Meeting and Introductions

The meeting was called to order at 1:30 p.m. (MST). President Jill Pipher, who presided throughout, called on members and guests to introduce themselves. Members present in addition to Pipher were Alejandro Adem, Georgia Benkart, Brian Boe, Susanne Brenner, Erika Camacho, Henry Cohn, Nathan Dunfield, Sergey Fomin, Daniel Freed, Susan Friedlander, Jane Hawkins, Michel Lapidus, Gregory Lawler, Susan Loepp, Irina Mitrea, Kasso Okoudjou, Matthew Papanikolas, Maria Cristina Pereyra, Victor Reiner, Kenneth Ribet, Carla Savage, Gigliola Staffilani, Abigail Thompson, Anthony Várilly-Alvarado, Talitha Washington, Steven Weintraub, Brooke Shipley, and Ravi Vakil. Members not in attendance were Danny Calegari, Robert Guralnick, David Jerison, Zbigniew Nitecki, Ken Ono, Peter Sarnak, and Melanie Matchett Wood.

Newly elected Council members in attendance were Francis Su, Dylan Thurston, and Bianca Viray. Among the guests present were Shayne Amaral (AMS Development Assistant) Sami Assaf (Nominating Committee Chair), Thomas Barr (AMS Special Projects Officer), Edward Dunne (AMS Mathematical Reviews Executive Editor), Erica Flapan (*Notices* Chief Editor), Sergei Gelfand (AMS Publisher), Robert Harington (AMS Associate Executive Director for Publishing), Abbe Herzog (AMS Director of Education), Louise Jakobson (AMS Development Officer), Bryna Kra (Chair, AMS Board of Trustees), Darla Kremer (Office of the AMS Secretary), Robin Marek (AMS Development Director), Kelly McKinnie (Committee on Meetings and Conferences Chair), Monica Nevins (Canadian Mathematical Society Vice President), Nicola Poser (AMS Director of Sales and Marketing), Catherine Roberts (AMS Executive Director), Karen Saxe (AMS Associate Executive Director for Government Relations), Joseph Silverman (AMS Trustee), T. Christine Stevens (AMS Associate Executive Director for Meetings and Professional Services), Katherine Stevenson (Committee on Education Chair), Megan Turcotte (AMS Director of Membership).

1.2 Conflict of Interest Policy

The *Conflict of Interest Policy for Officers and Committee Members* was included as front-matter in the agenda (Page v). Council members were asked to alert the President and the Secretary to any agenda items with which they may have a conflict of interest. No conflicts were reported.

1.3 2019 AMS Elections

The Society conducted its annual elections in the fall of 2019. Except for the new members of the Nominating Committee, those elected will take office on February 1, 2020. 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, with the outcome on a proposed bylaws change.

1.4 List of Council Members

A list of Council members for this meeting is in Attachment A and a list of Council members effective February 1, 2020 is in Attachment B.

The Secretary recommended that the newly elected Council members present be granted privileges of the floor (but without voting privileges) at this Council meeting. The Council approved.

1.5 Retiring Members

The following terms will end on January 31, 2020: Kenneth Ribet as Immediate Past President; David Jerison as Vice President; Nathan Dunfield, Gregory Lawler, Irina Mitrea, Ravi Vakil¹, and Talitha Washington as Council Members at Large. Alejandro Adem's term as Chair of the *Transactions* and *Memoirs* Editorial Committee will end on January 31 and his term on the Executive Committee ended on November 25, 2019. This was their final Council meeting in their current positions.

The Secretary requested 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. The Council approved.

2 Minutes

2.1 April 2019 Council Meeting

The April 2019 Council Minutes were distributed on April 30, 2019. The Council approved those minutes with the following corrections:

1. On page 8, the period and the right parenthesis in the last sentence of the first bullet should be transposed.
2. On page 8, "Principal" is misspelled in the last paragraph.
3. On page 10, paragraph 3, the "I" in "Items" should be lower case.

The minutes are posted here: www.ams.org/about-us/governance/council/council-minutes0419.pdf.

2.2 2019 Executive Committee and Board of Trustees Meetings

The ECBT met in May and again in November in Providence, Rhode Island. The minutes of those meetings have been distributed and are considered part of the minutes of the Council. They are available at: www.ams.org/about-us/governance/ecbt-meetings/sec-ecbt-minutes.

¹Vakil will remain on the Council as a member of the Executive Committee

3 Consent Agenda

There were no items on the consent agenda.

4 Reports of Boards and Standing Committees

4.1 Tellers' Report on the 2019 Elections [Executive Session]

The Society conducted its annual elections in the fall of 2019. Results of that election are included below. The Report of the Tellers is included in these minutes as Attachment AB.

The Council accepted the Tellers' Report on the 2019 AMS Election.

4.1.1 Tellers' Report on the 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. In 2019, members were asked to vote on a proposed amendment to add the following provision to Article IV, Section 8 of the AMS Bylaws:

If the president and the secretary agree that a statement in the name of the Society is urgently needed and waiting for the next meeting of the Council would greatly reduce the impact of the statement, then the secretary shall communicate the proposed statement to the Council (making a good-faith effort to reach all members) and hold a vote, allowing at least one day for votes to be received after the communication. If favorable votes are received from at least two-thirds of the entire membership of the Council, and no more than two votes against it are received, then the statement will be made in the name of the Society. Actions taken under this procedure shall be reviewed by the Council at its next meeting, where a favorable vote of two-thirds of the entire membership of the Council shall be necessary to keep such a statement in place.

The proposed amendment was adopted on a vote of 2,342 in favor and 359 opposed, with 12.38% of eligible voters returning ballots in this election. Article IV, Section 8 of the amended bylaws is attached (Attachment C). The complete AMS Bylaws are posted at <https://www.ams.org/about-us/governance/bylaws/bylaws>.

4.1.2 Tellers' Report on the Election of Officers

Those elected will take office on February 1, 2020. 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	Ruth Charney , Brandeis University
Vice President	Francis Su , Harvey Mudd College
Members at Large	Stephan Ramon Garcia , Pomona College Helen Moore ² , AstraZeneca (now at Applied BioMath) Rosa C. Orellana , Dartmouth College Dylan P. Thurston , Indiana University Bianca Viray , University of Washington
Trustee	Joseph H. Silverman , Brown University

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, 2020 - December 31, 2022.

Nominating Committee	Kristin E. Lauter , Microsoft Research Tatiana Toro , University of Washington Talithia Williams , Harvey Mudd College
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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, 2020 - January 31, 2023.

Editorial Boards Committee	Charles L. Epstein , University of Pennsylvania Tamar Ziegler , Hebrew University
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4.2 Executive Committee and Board of Trustees

4.2.1 Creation of a new AMS Primary Journal [Executive Session]

The AMS Strategic Plan 2016-2020 includes a Publishing Initiative to “Publish More Mathematics Content” (see Attachment AC). For several years, the AMS has considered whether the timing was right to expand our journal publications. The Committee on Publications established a subcommittee to explore this question and their report recommended expansion of the AMS journal publication program and gave specific recommendations on how to accomplish this. At their September 2019

²Helen Moore received a plurality of votes, but declined to serve. The Council appointed Maggy Tomova as a Member at Large (see item 6.4).

meeting, CPub accepted the report and approved recommending that the Council establish a new primary journal. Specifically, CPub recommended that the Council approve a new primary journal with two managing editors (one pure and one applied) who will work together and carefully design an editorial process to ensure publication of a broad swath of high-quality mathematics. This online-only journal will have no article length limitations and will preferably be Diamond Open Access (no charges to authors or readers).

CPub also established a quick-acting subcommittee to find two appropriate managing editors. This subcommittee, co-chaired by Amie Wilkinson and Douglas Arnold, also includes Ingrid Daubechies, Peter Sarnak, Robert Harington, and Sergei Gelfand. Currently, the subcommittee is working to identify possible editors-in-chief and will bring their recommendations to the Editorial Boards Committee, who will then bring any recommendations to Council.

The November 2019 ECBT discussed the CPub proposal.

The ECBT recommended to the January 2020 Council the establishment, in principle, of a new broad-based primary journal that encompasses both pure and applied mathematics, with the following framework:

- two editors-in-chief (one pure and one applied mathematician) who must be able to work together,
- no article length limitations,
- preferably Diamond Open Access,
- the editors-in-chief will work out a carefully designed editorial process to ensure publication of a broad swath of high-quality mathematics.

It is noted that the Board of Trustees approved finances in anticipation of Council approval.

Executive Director Roberts, Publisher Gelfand, Associate Executive Director Harington, and Trustees Silverman and Kra were invited to participate in the discussion of this item. Roberts presented some background information. A discussion of the nature and merits of the proposed journal and concerns about its impact on other AMS journals and programs ensued. The discussion turned to the risks involved in starting a diamond open access journal. Trustee Silverman addressed some of these concerns.

A motion to amend the journal description by replacing the third bullet “preferably Diamond Open Access” with “subscription-based” was made and seconded. The proposed amendment was discussed until the question of the amendment was called. On a two-thirds majority, the Council voted to end the discussion. The proposed amendment failed.

Discussion about the details of the proposed journal resumed. Trustee Kra clarified that the proposed journal will be electronic-only. A call to end the discussion passed with a two-thirds majority.

The Council approved the establishment of a new broad-based AMS primary journal with the initial framework as recommended by the ECBT and CPub.

4.2.2 Appointments of AMS Officers [Executive Session]

Ravi Vakil, Executive Committee representative to the ECBT Nominating Committee reported to the Council on the substance of the reviews and the actions of the ECBT pertaining to the re-appointments of two Associate Secretaries (Items 4.2.2.1 and 4.2.2.2).

4.2.2.1 Associate Secretary of the Southeastern Section

The fourth term of **Brian D. Boe** as Associate Secretary of the Southeastern Section expires 31 January 2021. The ECBT recommended reappointment for another two-year term (01 February 2021 – 31 January 2023).

The Council appointed Boe for a fifth term, 01 February 2021 – 31 January 2023, as Associate Secretary of the Southeastern Section.

4.2.2.2 Associate Secretary of the Eastern Section

The sixth term of **Steven H. Weintraub** as Associate Secretary of the Eastern Section expires 31 January 2021. The ECBT recommended reappointment for another two-year term (01 February 2021 – 31 January 2023).

The Council appointed Weintraub for a seventh term, 01 February 2021 – 31 January 2023, as Associate Secretary of the Eastern Section.

4.2.2.3 Secretary

In November 2018 Secretary Carla D. Savage indicated that her fourth term, ending on January 31, 2021, would be her final one. Acting upon the advice of its *ad hoc* Search Committee (consisting of Henry Cohn, Tara Holm (Chair), Bryna Kra, Kenneth Ribet, and Carla Savage, with consultants Georgia Benkart and Robert Daverman) the ECBT recommended the appointment of **Boris Hasselblatt** (Tufts University) as Secretary of the AMS for a two-year term, 01 February 2021 – 31 January 2023. The Council received a report from the Search Committee along with Hasselblatt's dossier.

The Council appointed Hasselblatt as AMS Secretary for a two-year term, 01 February 2021 – 31 January 2023.

4.2.2.4 Treasurer

In November 2018 Treasurer Jane Hawkins indicated that her fifth term, ending on January 31, 2021 would be her last. After considering the report of its *ad hoc* Search Committee (consisting of Alejandro Adem (Chair), Matthew Ando, Ruth Charney, Jane Hawkins, and Joseph Silverman, with consultant Zbigniew Nitecki) the ECBT recommended that **Douglas L. Ulmer** (The University of Arizona) be appointed as Treasurer of the AMS for a two-year term, 01 February 2021 –

31 January 2023. The Council received an excerpt from the report of the Search Committee along with Ulmer's dossier.

The Council appointed Ulmer as AMS Treasurer for a two-year term, 01 February 2021 – 31 January 2023.

4.2.3 Dues Level for the 2021 Membership Year [Executive Session]

The ECBT made the following recommendations regarding individual member dues in 2021:

1. that the salary cutoff for regular high/low rates remain at \$90,000 for 2021;
2. that the dues for regular members in the high income category be raised by \$4 to \$208 for 2021 (Dues for most other categories follow a formula, a percentage of the Regular individual member dues.)

The information used in formulating this recommendation, as well as a complete description of the procedure and principles, was presented to the Council.

The Council approved the ECBT recommendations.

4.2.4 Check-Off Designation For Future Dues Renewals

From time to time, the ECBT has recommended modifications to suggested gift levels and/or the designations of contributions on the annual dues renewal forms.

The checkoff boxes for 2020 dues renewal are:

- \$40 Area of Greatest Need (unrestricted) [added in 2019 as a new category];
- \$40 Epsilon Fund for Young Scholars [last increased in 2014];
- \$40 Centennial Fellowship [last increased in 2014]; and
- \$8 Friends of the International Mathematical Union [last modified in 2011].

The AMS has been collecting donations for the Friends of the IMU (FIMU) since 1989. These donations are channeled directly to FIMU accounts and contributors receive a letter from the AMS thanking them separately for donations to the AMS and to FIMU, which are separate nonprofit entities. In October 2020, the AMS received a request from the Secretary General of the IMU asking the AMS to increase the proposed voluntary donation to FIMU.

The ECBT approved increasing the suggested amount for voluntary donations to FIMU to \$10, starting in 2021, and recommended that Council do the same. The Council approved.

4.2.5 Campaign for The Next Generation

Kenneth Ribet, Co-chair of the Campaign for the Next Generation, reported that it has achieved its \$3 million endowment goal, raising \$1.5 million in donations that were matched dollar-for-dollar

by a generous benefactor. The endowment phase ended on “AMS Day,” October 16th, 2019, but the campaign is ongoing. The income from the endowment will be used to fund small grants for early career mathematicians, postdocs and graduate students. Ribet also mentioned the following campaign milestones: New donors to the AMS comprised 30% of the donors; all ECBT members, AMS executive staff and 80% of Council members gave; to honor gifts of more than \$25,000, named sub-funds have been established. More information about this fund can be found on the webpage <http://www.ams.org/giving/nextgen>.

4.3 Long Range Planning Committee

The Long Range Planning Committee (LRPC) met in Providence on May 17, 2019. At the request of Secretary Savage, the LRPC considered the committee portfolio of the Secretary, which currently includes membership on 29 committees. The LRPC recommended the following two changes:

4.3.1 AMS Representatives to the Joint Policy Board for Mathematics (JPBM)

JPBM is composed of 12 members consisting of three representatives from each of the following organizations: American Mathematical Society, American Statistical Association, Mathematical Association of America, and Society for Industrial and Applied Mathematics. Currently the AMS members are the Secretary, the President and the Executive Director.

The Council approved the LRPC recommendation that the Secretary no longer be an *ex officio* member of JPBM and that, instead, the third representative to JPBM be appointed by the President. The Council approved.

4.3.2 Composition of the Committee on National Awards and Public Representation

The Committee on National Awards and Public Representation has as its charge: (i) To anticipate regularly awarded prizes, such as the President’s Medal of Science and the Waterman Award, with strong candidates capably presented and (ii) To be aware of advisory positions of significance and influence, for example on the National Science Board or on the President’s Science Advisory Committee, and to seek ways to promote candidates who would serve both the country and the profession.

Currently the Committee has five members. According to the charge: “The President, the President Elect or Past President, and the Secretary are *ex officio* members, the first by recommendation of the Council and the other two by tradition. One or more others are appointed at the convenience of the President. . . .” Recently, staff support for the Committee was transitioned to Karen Saxe, Associate Executive Director for Government Relations, and it is anticipated that the Committee will become more active.

The Council approved the LRPC recommendation that the Secretary no longer be an *ex officio* member of the Committee on National Awards and Public Representation and that, instead, the

Committee consist of the President, the President Elect or Immediate Past President, and others appointed by the President.

4.4 Editorial Boards Committee [Executive Session]

4.4.1 Appointments of Managing Editors

Recommendations by the Editorial Boards Committee (EBC) concerning the appointments of two Managing Editors were brought to the Council by Publisher Gelfand on behalf of the EBC Chair, Akshay Venkatesh.

4.4.2 Managing Editor, Journal of the AMS

Sergey Fomin's second four-year term as Managing Editor of the *Journal of the AMS* ends on 31 January 2021. The Editorial Boards Committee recommended that **Pavel Etingof** (Massachusetts Institute of Technology) be appointed for a term of four years, beginning on 01 February 2021 and ending on 31 January 2025.

The Council appointed Etingof as Managing Editor of the *Journal of the AMS* for a four-year term commencing on 01 February 2021.

4.4.3 Managing Editor, Transactions of the AMS

Alejandro Adem has announced his intention to step down as Managing Editor of *Transactions* and *Memoirs of the AMS*, effective on 31 January 2020. The Editorial Boards Committee recommended that **Henri Darmon** (McGill University) be appointed as Interim Managing Editor for a term of one year, beginning on 01 February 2020 and ending on 31 January 2021 and that **Dan Abramovich** (Brown University) be appointed as Managing Editor for four years, beginning on 01 February 2021 and ending on 31 January 2025.

The Council appointed Darmon for one year, beginning on 01 February 2020 and Abramovich for the subsequent four years, 01 February 2021 through 31 January 2025, as Managing Editors of *Transactions* and *Memoirs of the AMS*.

4.5 Committee on Publications

The Committee on Publications (CPub) met in Providence on September 20 - 21, 2019. The CPub annual report is attached (Attachment D) and has been filed in the AMS Committee Report Book as Report Number 191211-018. Sergei Gelfand provided a brief oral report on behalf of CPub Chair, Claudia Polini, with time for discussion.

In addition, CPub had the following items for Council consideration.

4.5.1 Collected Works Editorial Committee Charge

At the request of the Collected Works Editorial Committee, CPub recommended a modification to the Principal Activities Section of the Committee Charge. Specifically, they recommended the addition of the sentence “Publications in the series will often include expository articles. These are articles that explain the major ideas and themes and place them in historical and/or current mathematical perspective making these ideas and papers and their significance available to a wider audience,” and the addition of the word “selected” as indicated on Attachment (E).

The Council approved the changes to Collected Works Editorial Committee Charge.

4.5.2 CPub Representative on the Web Advisory Group

Following CPub’s recommendation, the Web Editorial Group was disbanded by the January 2018 Council (see Item 4.8.1 of those minutes) and Nathan Dunfield was appointed to the AMS Web Advisory Group (WAG) to act as a liaison and advise CPub on matters concerning AMS website content. After serving for a year, Dunfield reported that he does not consider it necessary or appropriate for a CPub representative to continue to serve on the WAG because WAG is an AMS staff committee that does not make mathematical decisions.

The Council approved CPub’s recommendation to stop sending a CPub representative to WAG.

4.6 Committee on the Profession

The Committee on the Profession (CoProf) met in Providence on September 21 - 22, 2019. The CoProf annual report is attached (Attachment F) and has been filed in the AMS Committee Report Book as Report Number 191113-011. T. Christine Stevens provided an oral report on behalf of CoProf Chair, Wilfrid Gangbo, with time for discussion. She mentioned the implementation of a new demographic module on the AMS membership profile, a review of the AMS Bylaws as they pertain to membership categories and an update on a proposed site visit program. CoProf sponsored a panel at the JMM on Mathematics and Ethics.

In addition, CoProf had the following items for Council consideration.

4.6.1 Policy Committee on Equity, Diversity and Inclusion

At its September 2018 meeting, CoProf voted to recommend that the Council create an AMS Committee on Diversity and Inclusion, subsuming CoWIM, with the eventual goal of considering whether this committee should be a policy committee. A subcommittee comprising Peter Ebenfelt, Wilfrid Gangbo (Chair), Elena Mantovan, and Jill Pipher was formed to draft a charge for the proposed committee, and an update on the subcommittee’s deliberations was given to the Council in April 2019 (See item 4.7 in the Council minutes).

At its September 2019 meeting, CoProf considered the subcommittee’s report. CoProf recommended that the Council create a new policy committee concerned with Equity, Diversity and

Inclusion (EDI), with the following Principle Activities and Membership. The status of a policy committee signals the importance of these issues to the AMS. The staff support given to policy committees is necessary for it to be effective. The new committee would subsume the AMS Committee on Women in Mathematics (CoWIM) and have a much broader charge. In particular, the committee will take a nuanced approach to diversity issues that affect different groups in different ways.

Principal Activities:

1. Monitor and provide advice about the Society's collection and dissemination of data relevant to Equity, Diversity, and Inclusion (EDI) concerns. The data should be used by the committee in bench-marking and in formulating goals. Dissemination should include periodic reports published in the *Notices*.
2. Recommend and provide advice about self-assessment tools. As an example, this new committee should consider the creation and management of a program to assess "departmental climate" upon request of the department chair via external evaluation visits, modeled on the APS program.
3. Identify and develop programs to build diversity within the profession. Identify and organize activities to promote awareness of and education about EDI issues, such as panels or special sessions at JMM.
4. Ensure that EDI issues are considered systemically throughout AMS; identify processes that support this, such as appropriate mechanisms for interacting with other committees on issues related to diversity.
5. Review the committee's charge after five years and recommend any necessary changes.

Membership:

- Three Council members, appointed by the President from among the Vice Presidents and Members at Large of the Council;
- The President of the Society;
- The Executive Director of the Society;
- The Secretary of the Society (non-voting) and
- Three to six at large members, appointed by the President.

The term of appointment is three years.

It was noted that other policy committees include a Trustee as a member. An amendment was made and seconded that the membership of the new EDI committee include one member of the Board of Trustees. The amendment passed.

An amendment was proposed and seconded that the second sentence in Item 2 of the charge be removed on the grounds that it is the only example given and the Council would want to approve

such a program before implementation. The amendment passed. Discussion of the main motion resumed.

The Council created the Policy Committee on Equity, Diversity and Inclusion with inaugural charge as recommended by CoProf with the addition of a Trustee to the membership and the deletion of the example from Item 2.

4.6.2 Review of the AMS-MAA-SIAM Morgan Prize

In September 2018 CoProf approved a review of the Morgan Prize that would be conducted jointly with MAA and SIAM. AMS Secretary Carla Savage agreed to serve as the AMS representative on the joint review committee, which suggested some minor changes. These include changing the length of the review cycle from every five years to every seven years, along with revisions that take into account upcoming changes in the management of the Joint Mathematics Meetings. Both the MAA and SIAM have approved these changes.

The Council adopted the changes to the Morgan Prize guidelines as detailed in Attachment G.

4.6.3 Review of the Centennial Fellowship

The May 2018 ECBT requested that CoProf review the underlying principles involved in how the Centennial Fellowship is structured. A subcommittee of CoProf conducted a review and reported to CoProf at its September 2019 meeting. In November, CoProf made the following recommendations to the ECBT:

1. That the amount of the Centennial Fellowship be approximately equivalent to that of the Birman Fellowship (which is \$50,000 for the 2020-2021 academic year);
2. That two Centennial Fellowships be awarded every two years (i.e., every other year); and
3. That the recipients be allowed flexibility in how the fellowship amount is spent, as is the case with the Birman Fellowship.

The ECBT, which has responsibility for the amount and frequency of the fellowship, approved 1 and 3, but not 2. Instead, the ECBT approved a single Centennial Fellowship of \$50,000 to be awarded annually.

The Council endorsed the changes approved by the ECBT and charged CoProf with reviewing and modifying the prize description as necessary.

4.6.4 The AMS-EMS Mikhail Gordin Prize

The May 2016 BT accepted a gift of \$25,000 in endowment from Masha Gordina and Alexander Teplyaev for an award in memory of Mikhail Gordin, with final details of the award to be discussed by the Committee on the Profession (CoProf) and approved by Council. See Attachment H for

further details. At its November Meeting, the BT approved a prize amount of \$4,000 to be awarded every four years beginning in 2022.

CoProf recommended that the Council create this prize, joint with the European Mathematical Society (EMS) and approve the following prize description:

The AMS-EMS Mikhail Gordin Prize is established to honor the memory of Mikhail Gordin. It is awarded to a junior mathematician from an Eastern European country working in probability or dynamical systems. The recipient is chosen by a committee appointed by the EMS with AMS representation on the committee.

The Mikhail Gordin Prize is awarded every four years. It consists of a cash prize of US \$4,000 and funds of \$1,000 to cover travel costs to the awards ceremony.

The Council discussed this proposal at length. Concern was expressed that the prize parameters were too restrictive mathematically and geographically; in particular, some Council members were uncertain about having an AMS Prize that would not be open to Americans. At the same time, support was expressed for strengthening international ties and the relationship between the AMS and the EMS. A motion was made and seconded to table consideration of the Gordin Prize. The motion failed and the discussion of the prize proposal continued. A motion was made and seconded to call the question. The motion passed and a vote was taken.

The motion to create the Mikhail Gordin Prize failed.

4.7 Committee on Education

The Committee on Education (CoE) met in Washington, D.C. on October 24 - 26, 2019. The CoE annual report is attached (Attachment I) and has been filed in the AMS Committee Report Book as Report Number 191101-008. Katherine Stevenson, CoE Chair, provided an oral report, with time for discussion. She highlighted the mini-conference on “mathematics departments and the explosive growth of computational and quantitative offerings in higher education” and the related panel at JMM 2020. She then discussed some items currently under consideration by CoE, including a proposal for a new JMM lecture focused on education and a proposal to transition the Award for Impact on the Teaching and Learning of Mathematics to a Council award and have it presented at the JMM. Stevenson also introduced the newly-hired AMS Director of Education, Abbe Herzig.

4.8 Committee on Science Policy

The Committee on Science Policy (CSP) met in Washington, D.C. on April 15 - 16, 2019. The CSP annual report is attached (Attachment J) and has been filed in the AMS Committee Report Book as Report Number 191101-009. Karen Saxe provided an oral report on behalf of CSP Chair, Michael Vogelius, with time for discussion. She mentioned that CSP will be reviewing the AMS National Policy Statement and that the CSP will sponsor a panel at JMM 2020, “A Call to Action—Grassroots Advocacy for Our Profession.”

In addition, CSP had the following item for Council consideration.

4.8.1 AMS-AAAS Fellowships

During 2019, a CSP subcommittee reviewed AMS's participation in the AAAS Congressional Fellows program and discussed the other two AAAS fellowships in which the AMS participates: the Mass Media Fellowship and the CASE Fellowship. CSP passed a motion to continue AMS's participation in the Congressional Fellowship. Additionally, the CSP agreed that AMS's participation in the CASE and Mass Media Fellowships are worthwhile and recommended continuation of each activity under the same procedures used for 2019. A description of the three fellowships is included as Attachment K.

At the recommendation of the Secretary, the Council unanimously endorsed continuing AMS's participation in all three programs and charged CSP with reviewing them periodically and reporting to Council.

4.9 Committee on Meetings and Conferences

The Committee on Meetings and Conferences (CoMC) met in Chicago, Illinois on March 09, 2019. The CoMC annual report is attached (Attachment L) and has been filed in the AMS Committee Report Book as Report Number 191120-012. Kelly McKinnie, CoMC Chair, provided an oral report, with time for discussion. The primary focus of CoMC has been the re-imagining of the Joint Mathematics Meetings (JMM). There is a subcommittee looking into offering lectures joint with other societies at the JMM and CoMC sponsored a "town hall" meeting at JMM 2020 with Executive Director Roberts about the future of the JMM. CoMC also formed a subcommittee to investigate issues around holding meetings in states with discriminatory laws.

4.10 Mathematical Reviews Editorial Committee

The *Mathematical Reviews* Editorial Committee (MREC) met in Ann Arbor, Michigan on October 14, 2019. The MREC annual report is attached (Attachment M) and has been filed in the AMS Committee Report Book as Report Number 191205-013. Edward Dunne reported on behalf of MREC Chair, Danny Calegari, with time for discussion. MREC adopted a policy on indexing new journals to replace the 2005 policy on indexing electronic journals (posted here: <https://www.ams.org/publications/math-reviews/mrpolidxjl>) and voted to make changes to the MR Editorial Statement emphasizing that the database is produced by the American Mathematical Society and curated by mathematicians.

4.11 Joint Meetings Planning Committee

The April 2019 Council created the Joint Meetings Planning Committee (JMPC), charged with overseeing the planning for and conduct of the annual January Mathematics Meetings, including the overall structure of the program, the overall schedule, and the inclusion of sessions and events

sponsored by other organizations. Carla Savage, as Chair of the JMPC, provided an oral report, with time for discussion. She noted that input is currently being solicited from the mathematics community, AMS governance committees, other societies, SIGMAAs (Special Interest Groups of the MAA) and various funding agencies. The JMPC has approved a plan for incorporating traditional MAA talks and special sessions into AMS talks and sessions, approved holding the 2022 Erdős Lecture at the JMM, and is looking for ways to incorporate professional development opportunities. The Committee of Presidents of Statistical Societies (COPSS) has proposed a new lecture on statistics and this lecture was approved by the JMPC. MAA has committed to continuing to hold the Porter Lecture, Project NeXT activities, and one of the joint MAA-AMS Lectures at the JMM in 2022. The undergraduate poster session will continue under the management of Pi Mu Epsilon. Revisions of the block schedule are being considered and may include an opening night reception. Collaboration space has already been incorporated into the meeting space.

4.12 Prize Oversight Committee

The April 2019 Council created the Prize Oversight Committee (POC), charged with providing high-level guidance on and oversight of AMS prizes, awards and fellowships. The 2019 annual report of the committee is attached (Attachment N) and has been filed in the AMS Committee Report Book as Report Number 191025-006. Jill Pipher, a member of the POC, provided an update. Two subcommittees have been formed: 1) to develop and implement an approach to recruit more diverse pools of nominees and to develop data-driven processes to measure the success of these efforts; and 2) to recommend policies and procedures for the revocation of a prize or fellowship consistent with best practices of other societies and academic institutions.

4.13 Report from the Committee on Professional Ethics

The 2019 annual report of this committee is attached (Attachment O) and has been filed in the AMS Committee Report Book as Report Number 190919-003. In Section 3 of the attachment, the committee makes some recommendations for Council consideration.

Consideration of COPE's report was postponed to a future Council meeting.

4.14 Report from the Mathematics Research Communities Advisory Board

The 2019 annual report of this committee is attached (Attachment P) and has been filed in the AMS Committee Report Book as Report Number 191216-016.

4.15 Report from the Library Committee

The 2019 annual report of this committee is attached (Attachment Q) and has been filed in the AMS Committee Report Book as Report Number 191107-010.

4.16 Report from the Young Scholars Awards Committee

The 2019 annual report of this committee is attached (Attachment R) and has been filed in the AMS Committee Report Book as Report Number 191018-005.

4.17 Report from the Arnold Ross Lecture Series Committee

The 2019 annual report of this committee is attached (Attachment S) and has been filed in the AMS Committee Report Book as Report Number 191017-004.

4.18 Report from the Short Course Subcommittee

The 2019 annual report of this committee is attached (Attachment T) and has been filed in the AMS Committee Report Book as Report Number 190205-001.

4.19 Report from the AMS-ASA-MAA-SIAM Data Committee

The 2019 annual report of this committee is attached (Attachment U) and has been filed in the AMS Committee Report Book as Report Number 191216-014.

4.20 Report from the AMS-MAA Committee on Teaching Assistants and Part-Time Instructors

The 2019 annual report of this committee is attached (Attachment V) and has been filed in the AMS Committee Report Book as Report Number 191025-007.

4.21 Report from the AMS Fellows Selection Committee

The 2019 annual report from this committee is attached (Attachment W) and has been filed in the AMS Committee Report Book as Report Number 190809-002.

5 Old Business

5.1 Policy Statement on Equity, Diversity and Inclusion

The April 2019 Council approved the following Policy Statement on Equity, Diversity and Inclusion

Policy Statement on Equity, Diversity and Inclusion

The American Mathematical Society is committed to promoting and facilitating equity, diversity and inclusion throughout the mathematical sciences. For its own long-term

prosperity as well as that of the public at large, our discipline must connect with and appropriately incorporate all sectors of society.

We reaffirm the pledge in the AMS Mission Statement to “advance the status of the profession of mathematics, encouraging and facilitating full participation of all individuals,” and urge all members to conduct their professional activities with this goal in mind.

The Council was asked to consider whether to adopt the policy statement **so as to speak in the name of the Society**, as described in Article IV, Section 8 of the *Bylaws of the American Mathematical Society* (Attachment C). A favorable vote of two-thirds of the entire membership of the Council is required to so adopt the statement (24 favorable votes).

The motion for the Council to adopt the Policy Statement on Equity, Diversity and Inclusion so as to speak in the name of the Society failed on a vote of 21 in favor, 4 opposed, and 3 abstentions.

6 New Business

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

The Fellows Selection Committee completed its work of selecting the AMS Fellows for 2020. The committee’s annual report is attached (Attachment W).

Each year the January Council must provide a guideline for the number of Fellows to be selected that year. Attachment X 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 Y 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.

At the end of 2018, there were 28,110 members, 1432 of whom are now 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 2020, the eighth year of the transition period.

At the recommendation of the EC, Council set the target number of Fellows selected in 2020 for the Class of 2021 at 40-55.

6.2 Statements Made in the Name of the AAAS Coalition on Science and Human Rights

Arthur Ogus and Ilya Kapovich, AMS representatives to the AAAS Science and Human Rights Coalition, wrote to Secretary Savage and Executive Director Roberts in late September with a request that the AMS leadership consider and adopt a specific process by which the AMS could sign on to public statements made in the name of the AAAS Coalition.

The AAAS had just adopted a new policy allowing the Coalition to issue, in exceptional circumstances, public statements in the name of the AAAS Coalition of Science and Human Rights. Attachment Z includes the original request from Ogus and Kapovich along with the newly adopted AAAS Policy.

Ogus and Kapovich proposed the following practicable mechanisms for approving the signing on to specific Coalition statements:

1. Give the AMS President the authority to approve the AMS signing on to a statement in the name of AAAS Science and Human Rights Coalition.
2. Have the AMS Council, presumably through an e-mail discussion and vote, approve the AMS signing on to a statement in the name of AAAS Science and Human Rights Coalition.
3. Give the AMS Committee on Human Rights of Mathematicians the authority to approve the AMS signing on to a statement in the name of AAAS Science and Human Rights Coalition.
4. A combination of some of the above options; and maybe something else that we have not thought of.

Karen Saxe reported on behalf of Ogus and Kapovich. There was some discussion about the implications of signing such letters.

Secretary Savage proposed that the AMS Associate Executive Director for Government Relations, in consultation with the AMS Committee on Human Rights of Mathematicians, be granted the authority to approve AMS signing on to a statement made in the name of the AAAS Coalition on Science and Human Rights.

Savage accepted a friendly amendment to replace “in consultation with” by “with the approval of” and later accepted a second friendly amendment requesting a timely report to the Council on any such action.

Finally, the Council approved the following:

that the AMS Associate Executive Director for Government Relations, with the approval of the AMS Committee on Human Rights of Mathematicians, be granted the authority to approve AMS signing on to a statement made in the name of the AAAS Coalition on Science and Human Rights, with a timely report to the Council on any such action.

6.3 Protected Classes at the AMS

The January 2018 AMS Council approved adding “immigration status” to the list of protected classes in the AMS Welcoming Environment Policy (see Page ix of these minutes).

This list of protected classes, which reads “... 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” appears in several other AMS documents. Executive Director Roberts has asked that the Council clarify whether the addition of “immigration status” is limited to the AMS Welcoming Environment Policy.

The Secretary recommended that Council approve the addition of “immigration status” to all AMS documents in which a list of protected classes appears. The Council approved.

6.4 Filling a Vacated Council Seat [Executive Session]

On November 10, 2019, Helen Moore, one of the five newly elected Council Members at Large, informed Secretary Savage that, due to personal circumstances, she is unable to serve.

The Secretary, in consultation with the President, recommended that the candidate receiving the sixth largest number of votes, **Maggy Tomova**, be appointed as the fifth new Member at Large of the Council.

The Council appointed Tomova as a Member at Large of the Council for the term 01 February 2020 through 31 January 2023.

6.5 Chief Editor of the Bulletin of the AMS [Executive Session]

Susan Friedlander’s fifth term as Chief Editor of the *Bulletin of the American Mathematical Society* ends on January 31, 2021.

In the spring of 2018, a committee composed of Executive Director Roberts, Secretary Savage, President Ribet, Council Member Richard M. Schoen, and Council Member Gigliola Staffilani was established. A summary of the search process and a brief rationale for the following two recommendations is contained in Attachment AD.

The 2018 *Bulletin* Chief Editor Search Committee unanimously recommended that **Susan Friedlander** be reappointed as Chief Editor of the *Bulletin* for the term 01 February 2021 - 31 January 2024.

The Council appointed Friedlander as Chief Editor of the *Bulletin* for the term 01 February 2021 - 31 January 2024.

In addition, the Committee unanimously recommended that a new Chief Editor of the *Bulletin* be selected in 2021 and that the new editor-designee be appointed as an Associate Editor for the *Bulletin* starting 01 February 2022 and as Chief Editor of the *Bulletin* for the term 01 February 2024 through 31 January 2027.

A motion to amend the recommendation to allow for an existing Associate Editor to be appointed as Chief Editor was made a seconded. After some discussion, a call for the question passed with a two-thirds majority and a vote was taken. The amendment passed and the Council resumed discussion of the Search Committee's recommendation.

The Council recommended that a new Chief Editor of the *Bulletin* be selected in 2021 and that the new editor-designee be appointed as an Associate Editor (if not already serving as an Associate Editor) for the *Bulletin* starting 01 February 2022 and as Chief Editor of the *Bulletin* for the term 01 February 2024 through 31 January 2027.

6.6 Executive Director Report

AMS Executive Director Catherine Roberts reported to the Council. She spoke about progress towards achieving the objectives of the five-year strategic plan including new activities in the areas of diversity and inclusion; advocacy, awareness, and visibility; membership development; portfolio coherence; and research and publishing. She also reported on some upcoming challenges facing the publishing division and, in particular, MathSciNet. Her report is included in these minutes as Attachment AA.

6.7 Comments from a Representative of the Canadian Mathematical Society

Monica Nevins, Vice President of the Canadian Mathematical Society (CMS) and CMS Representative to this Council, gave an overview of activities at the CMS, paying special attention to events in celebration of the 75th Anniversary of the Canadian Mathematical Society that will happen June 5 - 8 in Ottawa. She also mentioned CMS involvement in competitions such as the European Girls' Mathematical Olympiad.

6.8 Terms for Council Appointments

Council member Brooke Shipley requested the attention of the Council to consider a motion concerning the definition of a standard number of terms for Council appointments, such as the Secretary, Associate Secretaries, Treasurer, Associate Treasurer and Editorial Appointments specified in the AMS Bylaws.

After a brief discussion, a motion was made and seconded to set aside time at a future Council meeting to discuss the various issues around terms for appointments made by the Council. The Council approved on a majority vote.

6.9 The case of Azat Miftakhov

The Committee on Human Rights of Mathematicians requested that Secretary Savage bring a matter of some urgency to the Council concerning the human rights of a mathematics graduate student

in Russia. Dylan Thurston presented this topic on behalf of the Committee. Thurston began by reading the following statement from the Committee on Human Rights of Mathematicians:

Azat is a finishing graduate student in Mathematics at Moscow State University, and is a political activist. In February 2019 he was arrested and charged with terrorist activity and the production of explosives. These charges were quickly dropped, but he is nevertheless still in pre-trial detention, now under the charge of having participated in a group act of vandalism on a building belonging to the United Russia party which resulted in a broken window.

Many disturbing signs of violation of the due legal process have been reported by the press and by human rights activists. These include application of torture, harassment of his relatives by local police, and a smear campaign involving homophobic slurs in the far right media. He has also been denied access to his scientific work. It is difficult to see how the charge of minor vandalism could warrant a year of pre-trial detention and this mistreatment. It seems that Miftakhov is being treated as a political prisoner, and in fact “Memorial”, the oldest Russian human right organization, lists Azat Miftahov as such.

We urge that Mr. Miftakhov be given a fair and transparent trial and that he receive humane treatment while in detention. We will continue to closely monitor this case as well as the general situation with regard to the human rights of fellow mathematicians.

Noting that this statement is preliminary, the Committee on the Human Rights of Mathematicians asked *whether* the Council would issue a statement concerning the arrest of Azat Miftakhov.

There was some discussion about this particular case as well as about the efficacy of issuing such statements. The Council was unwilling to vote without having time to educate themselves.

In light of the recent change to the AMS Bylaws relaxing the standard for speaking in the name of the Society, Thurston requested permission to withdraw the motion that Council commit to issuing a statement and instead pursue that avenue for action. There were no objections, so the motion was withdrawn.

7 Announcements, Information and Record

7.1 Budget

The Board of Trustees adopted the 2020 budget as presented at its November 22–23, 2019 meeting.

7.2 Executive Committee Actions

Members of the Editorial Boards of the *Bulletin of the AMS* and the *Notices of the AMS* are nominated by the Chief Editors or Chief Editor-elect. Those nominations are

then approved by the Council or, when appointments are made between meetings, by the Executive Committee of the Council. Members of the Editorial Board serve terms that end with the term of the Chief Editor nominating them.

The following EC actions were taken:

7.2.1 Bulletin of the AMS

Peter Kuchment is stepping down as Editor of Book Reviews for the *Bulletin*, effective January 31, 2020. Following the recommendation of Chief Editor Susan Friedlander, the Executive Committee, on July 16, 2019, made the following appointments to the *Bulletin* Editorial Board:

- **Volodymyr Nekrashevych**, Texas A&M University, was appointed to the *Bulletin* Editorial Board as Editor of Book Reviews from February 1, 2020 through January 31, 2021; and
- **Peter Kuchment**, Texas A&M University, was appointed as an Associate Editor for Book Reviews until his term ends on January 31, 2021.

7.2.2 Notices of the AMS

Bryna Kra resigned from the *Notices* Editorial Board effective on July 31, 2019 and Susan Wei resigned on October 1, 2019. Following recommendations from Chief Editor Erica Flapan, the Executive Committee made the following two appointments to the *Notices* Editorial Board:

- **Antonio Montalban**, University of California at Berkeley, was appointed on June 11, 2019, for the term August 1, 2019 through December 31, 2021; and
- **Richard Levine**, San Diego State University, was appointed on October 5, 2019, for the term November 1, 2019 through December 31, 2021.

7.3 Next Council Meeting

The next AMS Council Meeting will be held Saturday, April 25, 2020, in **Detroit, Michigan** (note the change of venue), starting at noon with a working lunch. As usual, a significant component of the Council meeting will be the actual nomination of candidates for the fall 2020 election to AMS offices, as proposed by the Nominating Committee.

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

Long-range Planning for MathSciNet

The Council discussions were started in 2002. Recent discussion topics have been: AMS Membership: Is it still relevant for mathematicians? (2015); One of the initiatives in the AMS Strategic Plan is to publish more mathematics content. What form might this take and how might it be implemented? (2016); What is the AMS doing about education? What should the AMS be doing

about education? (2017); The composition of AMS editorial boards and the role of the Editorial Boards Committee (EBC) (2018). Re-imagining the Joint Mathematics Meetings (2019).

7.4 Future Scientific and Governance Meetings

See the listing of future meetings in Attachment AE.

8 Adjournment

The meeting adjourned at 7:09 pm.

For approval.

ATTACHMENTS

2019 AMS GOVERNANCE**2019 COUNCIL***Officers*

President	Jill C. Pipher	Brown University	31 Jan 2021
Immediate Past President	Kenneth A. Ribet	UC- Berkeley	31 Jan 2020
Vice Presidents	David Jerison	MIT	31 Jan 2020
	Ken Ono	Emory University	31 Jan 2021
	Abigail Thompson	UC-Davis	31 Jan 2022
	Carla D. Savage	North Carolina State University	31 Jan 2021
Secretary	Georgia Benkart	University of Wisconsin	31 Jan 2022
Associate Secretaries	Brian D. Boe	University of Georgia	31 Jan 2021
	Michel Lapidus	UC-Riverside	31 Jan 2022
	Steven H. Weintraub	Lehigh University	31 Jan 2021
	Jane M. Hawkins	University of North Carolina	31 Jan 2021
Treasurer	Zbigniew Nitecki	Tufts University	31 Jan 2022
Associate Treasurer			

Representatives of Committees

Bulletin of the AMS	Susan J. Friedlander	USC	31 Jan 2021
Colloquium Editorial	Peter Sarnak	Princeton University	31 Jan 2021
Executive Committee	Alejandro Adem	UBC	25 Nov 2019
Executive Committee	Henry Cohn	Microsoft Research	28 Feb 2022
Executive Committee	Gigliola Staffilani	MIT	28 Feb 2023
Journal of the AMS	Sergey Fomin	University of Michigan	31 Jan 2021
Math Reviews Editorial	Danny C. Calegari	University of Chicago	31 Jan 2024
Math Surveys & Monographs	Robert M. Guralnick	USC	31 Jan 2022
Mathematics of Computation	Susanne C. Brenner	Louisiana State University	31 Jan 2024
Proceedings of the AMS	Matthew A. Papanikolas	Texas A & M University	31 Jan 2022
Transactions and Memoirs	Alejandro Adem	UBC	31 Jan 2020

Members at Large

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
Daniel S. Freed	University of Texas at Austin	31 Jan 2022
Susan Loepf	Williams College	31 Jan 2022
Kasso A. Okoudjou	University of Maryland & MIT	31 Jan 2022
Maria Cristina Pereyra	University of New Mexico	31 Jan 2022
Melanie Matchett Wood	University of Wisconsin	31 Jan 2022

2019 EXECUTIVE COMMITTEE

Alejandro Adem	University of British Columbia	25 Nov 2019
Ravi D. Vakil	Stanford University	28 Feb 2021
Henry L. Cohn	Microsoft Research New England	28 Feb 2022
Gigliola Staffilani	Massachusetts Institute of Technology	28 Feb 2023
Jill C. Pipher	Brown 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>

2019 TRUSTEES

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
Matthew Ando	University of Illinois at Urbana-Champaign	31 Jan 2024
Jane M. Hawkins	University of North Carolina	<i>ex officio</i>
Zbigniew Nitecki	Tufts University	<i>ex officio</i>
Jill C. Pipher	Brown University	<i>ex officio</i>

2019 EDITORIAL BOARDS COMMITTEE

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
Ian Agol	University of California at Berkeley	31 Jan 2022
Terence Tao	University of California at Los Angeles	31 Jan 2022
Sergei Gelfand	AMS	<i>ex officio</i>
Carla D. Savage	North Carolina State University	<i>ex officio</i>

2019 NOMINATING COMMITTEE

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	Massachusetts Institute of Technology	31 Dec 2019
Tara S. Holm	Cornell University	31 Dec 2020
Alice Silverberg	University of California at Irvine	31 Dec 2020
Shmuel Weinberger	University of Chicago	31 Dec 2020
Sami H. Assaf	University of Southern California	31 Dec 2021
Rebecca Garcia	Sam Houston State University	31 Dec 2021
Deane Yang	Courant Institute, NYU	31 Dec 2021

2020 AMS GOVERNANCE**2020 COUNCIL***Officers*

President	Jill C. Pipher	Brown University	31 Jan 2021
President Elect	Ruth Charney	Brandeis University	31 Jan 2021
Vice Presidents	Ken Ono	University of Virginia	31 Jan 2021
	Abigail Thompson	UC-Davis	31 Jan 2022
	Francis Su	Harvey Mudd College	31 Jan 2023
Secretary	Carla D. Savage	North Carolina State University	31 Jan 2021
Associate Secretaries	Georgia Benkart	University of Wisconsin	31 Jan 2022
	Brian D. Boe	University of Georgia	31 Jan 2023
	Michel Lapidus	UC-Riverside	31 Jan 2022
	Steven H. Weintraub	Lehigh University	31 Jan 2023
Treasurer	Jane M. Hawkins	University of North Carolina	31 Jan 2021
Associate Treasurer	Zbigniew Nitecki	Tufts University	31 Jan 2022

Representatives of Committees

Bulletin of the AMS	Susan J. Friedlander	USC	31 Jan 2024
Colloquium Editorial	Peter Sarnak	Princeton University	31 Jan 2021
Executive Committee	Ravi Vakil	Stanford University	28 Feb 2021
Executive Committee	Henry Cohn	Microsoft Research	28 Feb 2022
Executive Committee	Gigliola Staffilani	MIT	28 Feb 2023
Executive Committee	Kasso A. Okoudjou	University of Maryland & MIT	28 Feb 2024
Journal of the AMS	Sergey Fomin	University of Michigan	31 Jan 2021
Math Reviews Editorial	Danny C. Calegari	University of Chicago	31 Jan 2024
Math Surveys & Monographs	Robert M. Guralnick	USC	31 Jan 2022
Mathematics of Computation	Susanne C. Brenner	Louisiana State University	31 Jan 2024
Proceedings of the AMS	Matthew A. Papanikolas	Texas A & M University	31 Jan 2022
Transactions and Memoirs	Henri Darmon	McGill University	31 Jan 2021

Members at Large

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
Daniel S. Freed	University of Texas at Austin	31 Jan 2022
Susan Loepf	Williams College	31 Jan 2022
Kasso A. Okoudjou	University of Maryland & MIT	31 Jan 2022
Maria Cristina Pereyra	University of New Mexico	31 Jan 2022
Melanie Matchett Wood	UC-Berkeley	31 Jan 2022
Stephan Ramon Garcia	Pomona College	31 Jan 2023
Rosa C. Orellana	Dartmouth College	31 Jan 2023
Maggy Tomova	University of Iowa	31 Jan 2023
Dylan P. Thurston	Indiana University	31 Jan 2023
Bianca Viray	University of Washington	31 Jan 2023

2020 EXECUTIVE COMMITTEE

Ravi D. Vakil	Stanford University	28 Feb 2021
Henry L. Cohn	Microsoft Research New England	28 Feb 2022
Gigliola Staffilani	Massachusetts Institute of Technology	28 Feb 2023
Kasso A. Okoudjou	University of Maryland & MIT	28 Feb 2024
Jill C. Pipher	Brown University	<i>ex officio</i>
Ruth Charney	Brandeis University	<i>ex officio</i>
Carla D. Savage	North Carolina State University	<i>ex officio</i>

2020 TRUSTEES

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
Matthew Ando	University of Illinois at Urbana-Champaign	31 Jan 2024
Joseph H. Silverman	Brown University	31 Jan 2025
Jane M. Hawkins	University of North Carolina	<i>ex officio</i>
Zbigniew Nitecki	Tufts University	<i>ex officio</i>
Jill C. Pipher	Brown University	<i>ex officio</i>

2020 EDITORIAL BOARDS COMMITTEE

Akshay Venkatesh	Stanford University	31 Jan 2021
Amie Wilkinson	University of Chicago	31 Jan 2021
Ian Agol	University of California at Berkeley	31 Jan 2022
Terence Tao	University of California at Los Angeles	31 Jan 2022
Charles L. Epstein	University of Pennsylvania	31 Jan 2023
Tamar Ziegler	Hebrew University	31 Jan 2023
Sergei Gelfand	AMS	<i>ex officio</i>
Carla D. Savage	North Carolina State University	<i>ex officio</i>

2020 NOMINATING COMMITTEE

Tara S. Holm	Cornell University	31 Dec 2020
Alice Silverberg	University of California at Irvine	31 Dec 2020
Shmuel Weinberger	University of Chicago	31 Dec 2020
Sami H. Assaf	University of Southern California	31 Dec 2021
Rebecca Garcia	Sam Houston State University	31 Dec 2021
Deane Yang	Courant Institute, NYU	31 Dec 2021
Kristin E. Lauter	Microsoft Research	31 Dec 2022
Tatiana Toro	University of Washington	31 Dec 2022
Talithia Williams	Harvey Mudd College	31 Dec 2022

Amendment to 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 *two paragraphs*, 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.

If the president and the secretary agree that a statement in the name of the Society is urgently needed and waiting for the next meeting of the Council would greatly reduce the impact of the statement, then the secretary shall communicate the proposed statement to the Council (making a good-faith effort to reach all members) and hold a vote, allowing at least one day for votes to be received after the communication. If favorable votes are received from at least two-thirds of the entire membership of the Council, and no more than two votes against it are received, then the statement will be made in the name of the Society. Actions taken under this procedure shall be reviewed by the Council at its next meeting, where a favorable vote of two-thirds of the entire membership of the Council shall be necessary to keep such a statement in place.

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 Publications
2019 Annual Report

A meeting of the AMS Committee on Publications (CPub) was held on Friday and Saturday, September 20-21 2019 at AMS Headquarters in Providence, Rhode Island. Claudia Polini, chair, presided.

Actions taken by CPub include the following:

- **Minutes of Business by Mail**

The November 27, 2018 minutes of business by mail were approved. The business conducted was to approve the minutes of the September 14-15, 2018 CPub meeting.

- **Collected Works Editorial Committee Charge**

The Editorial Committee of the Collected Works series of the AMS asked CPub to consider a revision to the Principal Activities section of its charge to better define current practices.

The Committee's proposal was approved with slight modifications and will be included in the January 2020 Council agenda with CPub's recommendation for approval.

- **2019 Annual Review – Review of Primary Journals**

Claudia Polini, chair of the CPub subcommittee that conducted the 2019 review of the AMS Primary Journals (*Journal of the AMS*, *Mathematics of Computation*, *Proceedings of the AMS*, and *Transactions of the AMS*), presented the report prepared by the subcommittee.

CPub discussed the following items:

- Journal backlogs and AMS's method for calculation of backlog data,
- The variability in acceptance rates by editor and the suggestion that managing editors periodically share this data with individual editors for the purpose of corrective action, and
- Appropriateness of coverage, specifically regarding the lack of papers in applied mathematics published in *Journal of the AMS* (JAMS).

Based on the subcommittee's report, CPub moved to approve the following recommendations:

- *AMS should develop a means to collect gender, race and geographic data for authors by the time of the next review of the primary journals in 2022.*
- *The managing editors of Transactions of the AMS and Proceedings of the AMS should communicate acceptance/rejection rates to editors.*
- *The JAMS journal description, "this journal is devoted to research articles of the highest quality in all areas of pure and applied mathematics," should better reflect the journal's current scope.*
- *Subcommittee reports regarding the review of AMS journals should be shared with managing editors prior to being presented to CPub.*

- **Report of CPub Subcommittee Investigating Additional Research Publications (CPub-ARP)**

The CPub Subcommittee to Investigate Additional Research Publications (CPub-ARP) presented an updated report, and CPub discussed options outlined in the Subcommittee's report. It was agreed that the AMS would aid the mathematics community by creating a new, high-quality, broad-based journal that encompasses both pure and applied mathematics.

CPub voted to approve the following framework and actions and forwarded its proposal for establishment of the new journal to the November 2019 Executive Committee and Board of Trustees (ECBT) for consideration:

- *The establishment of a new primary journal with two editors-in-chief (one pure and one applied mathematician), who must be able to work together;*
- *there will be no article length limitations;*
- *preferably, this will be a Diamond Open Access journal;*
- *the new editors-in-chief will work out a carefully designed editorial process to ensure publication of a broad swath of high-quality mathematics; and*
- *the establishment of a quick-acting subcommittee (consisting of two pure mathematicians, two applied mathematicians, and two non-voting ex officio members to serve as advisors) to find the appropriate two editors-in-chief.*

The ECBT acted to recommend the establishment of the new journal, in principle, to the January 2020 Council, following the framework proposed by CPub. The financial implications for the new journal were approved separately by the Board of Trustees.

- **Subcommittee Investigating Double-Blind Refereeing**

At its 2018 meeting, upon the recommendation of President Elect Jill Pipher, CPub moved to form a subcommittee charged with considering whether double-blind refereeing should be instituted for some or all AMS journals. The subcommittee was asked to focus solely on the matter of policy (i.e., whether double-blind refereeing is a policy that reflects AMS's standards and goals), exclusive of implementation.

CPub was informed that more work needs to be done by the subcommittee, and it was suggested that the subcommittee should have better findings with a well-planned strategy, AMS staff support, and the collection of data. It was reiterated that issues around bias are real and need to be addressed.

The subcommittee will continue its investigation of double-blind refereeing with David Morrison as chair.

- **Web Advisory Group (WAG)**

Following CPub's recommendation, the Web Editorial Group was disbanded by Council decision in January 2018, and Nathan Dunfield was appointed to the AMS Web Advisory Group (WAG) to act as a liaison and advise CPub on matters concerning AMS website content. Professor Dunfield reported that because WAG is an AMS staff committee that does not make mathematical decisions, he does not consider it necessary or appropriate to continue to serve on the WAG.

CPub voted unanimously to recommend removal CPub's liaison position from the Web Advisory Group. CPub's recommendation will go forward to Council for approval.

- **Upcoming Subcommittees - Chair and Member Selection**

- The Subcommittee Investigating Double-Blind Refereeing will be chaired by David Morrison.
- CPub Chair Claudia Polini (in consultation with CPub members Douglas Arnold and Amie Wilkinson) will appoint the members of the subcommittee to find two editors-in-chief (one pure and one applied mathematician) for the proposed new journal.

The following informational reports were provided by staff:

- 2016-2020 Strategic Plan Update
- Report from the AMS Publisher
- eBook Program Update
- Report on Journal Backlogs
- Report on *Mathematical Reviews*/MathSciNet®
- Primer on Open Access

Other Business:

2020 Annual Review

CPub's charge calls for reviews according to the following schedule:

- Year 1: AMS Book Program
- 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)

In keeping with its review cycle, an evaluation of the Member and "All Other" journals will be conducted, and the member journal managing editors will be invited guests of CPub's 2020 meeting.

Next Meeting

The next CPub meeting will be held **October 16-17, 2020** at the Westin Detroit Metropolitan Airport, located at 2501 Worldgateway Place, Detroit, MI 48242.

*Sergei Gelfand
Publisher
December 11, 2019*

2019 Members: Douglas N. Arnold, Nathan Dunfield, Daniel S. Freed, S. I. Gelfand, Bryna Kra, Javad Mashreghi, David R Morrison, Ken Ono, Jill Catherine Pipher, Claudia Polini (Chair), Victor Reiner, Catherine A Roberts, Carla D Savage, Brooke E Shipley, Michael F Singer, Amie Wilkinson

Collected Works Editorial Committee

General Description

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

Principal Activities

The Committee is responsible for the selection of collected or selected works of eminent mathematicians for publication. Selection is not limited to the works of those who have died. The Committee is encouraged to be active in soliciting collections and in identifying appropriate editors for these collections for publication.

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.

Publishing the collected works (or selecta) of an eminent scholar honors that individual, while at the same time making that person's work conveniently available in printed form. Publications in the series will often include expository articles. These are articles that explain the major ideas and themes and place them in historical and/or current mathematical perspective making these ideas and papers and their significance available to a wider audience. In this sense, a collected/selected works constitutes a prize, but a prize that has value to the community at large in addition to the honoree - a prize that may last for centuries rather than just for a few years.

Other Activities

Miscellaneous Information

The chair will be appointed by the President, upon nomination by the Editorial Boards Committee. 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**.

**Committee on the Profession
Annual Report
2019**

The Committee on the Profession (CoProf) held its annual meeting on September 21-22, 2019, at AMS Headquarters in Providence, Rhode Island. Wilfrid Gangbo (University of California, Los Angeles) chaired the meeting. There was a 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:

- **AMS-MAA-SIAM Frank and Brennie Morgan Prize for Outstanding Research in Mathematics by an Undergraduate:** CoProf recommended some minor changes to the guidelines for this joint prize, including revisions that take into account upcoming changes in the management of the Joint Mathematics Meetings. The recommended changes also require the approval by the other two sponsoring organizations.
- **Centennial Fellowship:** At the request of the ECBT, CoProf reviewed the underlying principles involved in how the Centennial Fellowship is structured. It recommended changing the amount and frequency of this fellowship, so that two awards of approximately \$50,000 each would be made every other year, with the recipients given flexibility in how the fellowship amount is used.
- **Committee on Equity, Diversity and Inclusion:** CoProf recommended creating a new policy committee devoted to this topic. The new committee would subsume the Committee on Women in Mathematics (CoWiM) and have a much broader charge.
- **Mikhail Gordin Prize:** CoProf recommended creating this new prize, which would be jointly awarded with the European Mathematical Society to a junior mathematician from an Eastern European country working in probability or dynamical systems.

In addition, in response to a recommendation from CoProf, the April 2019 Council approved a Policy Statement on Equity, Diversity, and Inclusion. The January 2020 Council will be asked to decide whether that statement should be adopted “so as to speak in the name of the Society.”

CoProf’s annual review focused on activities and programs to inform students in the mathematical sciences about career opportunities in business, industry, and government (BIG) and about how to prepare for them. The review subcommittee contained several ideas that it encouraged the staff to consider pursuing.

In other business, CoProf discussed a review, jointly conducted with the Committee on Education (CoE), of the AMS Department Chairs Workshop. CoProf recommended that this event be taken over by CoE. CoProf also established a subcommittee to review membership-related items in the AMS Bylaws and a subcommittee (joint with CoE) to understand the needs of permanent teaching faculty and explore what the AMS might do to meet those needs. As the topic for its next annual review, CoProf chose to update its statements about the culture of research and scholarship in mathematics. Other topics of discussion included the AMS Policy

for Employment Advertisements, which was deemed satisfactory, and a letter submitted by the organization Spectra regarding ICM 2022.

CoProf will hold its next meeting on October 17-18, 2020, at The Westin Detroit Metropolitan Airport.

*T. Christine Stevens
Associate Executive Director
November, 2019*

2019 Members: Matthew Ando, Donald Cole, Peter Ebenfelt, Solomon Friedberg, Wilfrid Gangbo (CH), Eleny Ionel, Gregory F Lawler, Elena Mantovan, Julie C Mitchell, Jill Catherine Pipher, Catherine A Roberts, Carla D Savage, Gigliola Staffilani, Jeremy T Teitelbaum, Melanie Matchett Wood

August 15, 2019

Report of the Committee to Review the Morgan Prize Guidelines

Carla Savage, AMS (chair)

Carol Woodward (SIAM)

Violeta Vasilevska (MAA)

This committee was formed to conduct a review of the guidelines of the AMS-MAA-SIAM Frank and Brennie Morgan Prize for Outstanding Research in Mathematics by an Undergraduate Student.

Our starting point was the first attached document containing the guidelines under which the committee has operated since 2012.

We agreed that the 2012 guidelines were fine, but that some rewording would make them better. Our proposed revision is the second document attached.

Below is a brief summary of changes from the 2012 document.

- Minor rewording in items 2, 6, and 8
- Interchanged items 8 and 9 (so mention of allowing multiple papers comes first).
- Fixing the name of the committee in Items 11 and 12.
- Revising items 13 and 14 to account for the upcoming management changes for JMM.
- Changing the review cycle to once every seven years in item 15

AMS-MAA-SIAM Frank and Brennie Morgan Prize
For Outstanding Research in Mathematics by an Undergraduate Student

GUIDELINES
August 1, 2012

1. The Morgan Prize, endowed by a gift from Mrs. Frank (Brennie) Morgan, is awarded to an undergraduate student (or students having submitted joint work) for outstanding research in mathematics.
2. The recipient(s) will receive an award of \$1,200 and a certificate. If the Prize is given for joint work, the cash award will be divided among the recipients.
3. No more than one Prize shall be awarded each year.
4. In addition, one or more nominees may receive a Certificate of Honorable Mention.
5. If no other funding is available, income from the Prize fund may be used to pay normal travel costs for a winner to attend the award ceremony and registration for the meeting at which the prize is awarded.
6. A nominee for the Prize must have been an undergraduate at a college or university in Canada, Mexico or the United States or its possessions in December of the year prior to her or his nomination.
7. Nomination of a student for the Prize may be made by any individual including the nominee (self nomination).
8. Every nomination for the Prize must include the nominee's research paper or papers and at least one letter of support from a person, normally a faculty member, familiar with the student's research.
9. Research paper(s) supporting the nomination must have been submitted to a journal, to a member of the mathematics department of the student's institution (as in the case of an undergraduate thesis), or posted on an online archive such as *arXiv.org* prior to the student's graduation. Publication of the research is not required. The research need not be confined to a single paper; it may be contained in several papers.
10. Nominations must be received by the Secretary of the AMS by June 30 of the year prior to the award on behalf of students who were undergraduates in December of the previous year.
11. Prize recipients are selected by a standing joint committee of the AMS, MAA, and SIAM (AMS-MAA-SIAM Joint Committee on the Morgan Prize). The joint committee is to consist of six members, each to serve for a term of three years, two appointed by the President of each society. The decisions of this Committee

should be final.

12. The AMS-MAA-SIAM Joint Committee on the Morgan Prize is to submit the name(s) of prize winner(s) and those to receive honorable mention, along with citations appropriate for a prize booklet, to the Secretary of MAA no later than September 15 of the year prior to the award.

13. At least two of every three consecutive awards of the prize shall occur at a joint national meeting of the AMS and MAA. SIAM may choose to present the award at its national meeting in place of the joint AMS/MAA meeting. If SIAM chooses to give the award at its national meeting, then they should notify the Secretary of the MAA before September 15 prior to the year of the award.

14. If the award is to be presented at a national meeting of SIAM, the citations for the winner(s) and honorable mention(s) should appear in the prize booklet of the JMM in the year of the award along with a note that they will be presented at the SIAM meeting.

15. Commencing in 2012, and every five years thereafter, the guidelines for the Morgan Prize shall be reviewed by the governing bodies of the AMS, MAA, and SIAM, according to each society's rules and procedures.

Approved by the MAA Board of Governors, August 1, 2012

Note with regard to support of the winner of the Morgan Prize from Gina Alsfeld, AMS, 9/16/2013: Two nights lodging, two days of meals, round-trip economy "Y" class airfare, and up to US\$150 reimbursement for ground transportation.

Note that it was agreed on 9/18/2014: Registration fees for honorable mentions will be waived.

AMS-MAA-SIAM Frank and Brennie Morgan Prize
For Outstanding Research in Mathematics by an Undergraduate Student

PROPOSED GUIDELINES
REVISION OF 8-15-19

1. The Morgan Prize, endowed by a gift from Mrs. Frank (Brennie) Morgan, is awarded to an undergraduate student (or students having submitted joint work) for outstanding research in mathematics
2. The recipient(s) will receive certificate(s) and an award of \$1,200. If the Prize is given for joint work, the cash award will be divided among the recipients.
3. No more than one Prize shall be awarded each year.
4. In addition, one or more nominees may receive a Certificate of Honorable Mention.
5. If no other funding is available, income from the Prize fund may be used to pay normal travel costs for a winner to attend the award ceremony and registration for the meeting at which the prize is awarded.
6. A nominee for the Prize must have been an undergraduate at a college or university in Canada, Mexico, or the United States or its possessions in December of the year prior to their nomination.
7. Nomination of a student for the Prize may be made by any individual including the nominee (self-nomination).
8. Research paper(s) supporting the nomination must have been submitted to a journal, to a member of the mathematics department of the student's institution (as in the case of an undergraduate thesis), or posted on an online archive such as *arXiv.org* prior to the student's graduation. Publication of the research is not required. The research need not be confined to a single paper; it may be contained in several papers.
9. Every nomination for the Prize must include the nominee's research paper(s) and at least one letter of support from a person, normally a faculty member, familiar with the student's research.
10. Nominations must be received by the Secretary of the AMS by June 30 of the year prior to the award on behalf of students who were undergraduates in December of the previous year.
11. Prize recipients are selected by a standing joint committee of the AMS, MAA, and SIAM (the AMS-MAA-SIAM Frank and Brennie Morgan Prize Selection Committee). The joint committee is to consist of six members, each to serve for a term of three years. Two members are appointed by the President of each

society. The decisions of this Committee should be final.

12. The AMS-MAA-SIAM Frank and Brennie Morgan Prize Selection Committee is to submit the name(s) of prize winner(s) and those to receive honorable mention, along with citations appropriate for a prize booklet, to the Secretary of MAA no later than September 15 of the year prior to the award.

13. The default venue for presentation will be at the January joint math meetings, with the option of rotating on a three year schedule with the SIAM Annual Meeting and MAA Mathfest. If SIAM or MAA choose to give the award at their annual meeting, they should notify the AMS Secretary before September 15 prior to the year of the award

14. If the award is to be presented at the national meeting of SIAM or MAA, the citations for the winner(s) and honorable mention(s) should appear in the prize booklet of the JMM in the year of the award along with a note to that effect.

15. Commencing in 2012, and every seven years thereafter, the guidelines for the Morgan Prize shall be reviewed by the governing bodies of the AMS, MAA, and SIAM, according to each society's rules and procedures.

Note with regard to support of the winner of the Morgan Prize from Gina Alsfeld, AMS, 9/16/2013: Two nights lodging, two days of meals, round-trip economy "Y" class airfare, and up to US\$150 reimbursement for ground transportation.

Note that it was agreed on 9/18/2014: Registration fees for honorable mentions will be waived.

**Proposal to Establish the AMS-EMS Mikhail Gordin Prize
Background and Biographic Information
September 4, 2019**

Background

In November 2015, the Development Committee received a proposal from AMS members Masha Gordina and her husband, Alex Teplyaev, to establish an award in memory of Masha's father, mathematician Mikhail Gordin (1944-2015). Gordin was a 22-year AMS affiliate member and was recognized in his field (see biography that follows). The following May, the Board of Trustees authorized the AMS to accept a gift of endowment from Masha and Alex, pending approval of their proposal. The donors then added to the fund, and their donations are being held until a decision is made on the prize proposal.

In September 2016, CoProf approved the planning for the creation of the Mikhail Gordin Award with final details of the award to be discussed by CoProf and approved by Council at a later date. The AMS and the European Mathematical Society (EMS) leadership explored the idea of a joint AMS-EMS Prize, and all parties agreed to develop the details.

With discussions ongoing (and having conferred with the AMS), the EMS made an initial award at the 2018 International Vilnius Conference on Probability Theory and Mathematical Statistics. This arrangement allowed Mikhail Gordin's widow to witness an initial prize being awarded to Mateusz Kwasnicki from the Wroclaw University of Science and Technology, Poland.

Going forward, the EMS would like the AMS to co-sponsor the \$4,000 prize which will be awarded every four years. AMS precedents for co-sponsored awards include the AWM-AMS Noether Lecture, JPBM Communications Award, and the Frank and Brennie Morgan Prize. The Gordin Prize would broaden AMS co-sponsorship to an international level.

The Development Committee recommends to the Committee on the Profession that the AMS co-sponsor a prize with the following description:

The AMS-EMS Mikhail Gordin Prize is established to honor the memory of Mikhail Gordin. It is awarded to a junior mathematician from an Eastern European country working in probability or dynamical systems. The recipient is chosen by a committee appointed by the EMS with AMS representation on the committee.

The Mikhail Gordin Prize is awarded every four years. It consists of a cash prize of US \$4,000 and funds of \$1,000 to cover travel costs to the awards ceremony.

CoProf is asked to recommend approval to the January 2020 Council.

Mikhail Iosifovich (Misha) Gordin: In Memoriam

Mikhail Iosifovich (Misha) Gordin died on March 17th, 2015, in St. Petersburg, Russia, after a long illness. A senior researcher at the Steklov Institute of Mathematics of the Russian Academy of Sciences in St. Petersburg (POMI), he was also a faculty member at the St. Petersburg State University where he taught classes in probability theory.

Among many signs of professional recognition, M.I. was a Taft Fellow at the University of Cincinnati in 2009, and a Gauss Professor in Gottingen in 2014. He played a vital role in the mathematical community of St. Petersburg; in particular, he was a board member of the St. Petersburg Mathematical Society. A volume in honor of M.I. Gordin's 70th birthday was published in the Zapiski Nauchnykh Seminarov Sankt-Peterburgskogo Otdeleniya Matematicheskogo Instituta im. V. A. Steklova Rossiiskoi Akademii Nauk (Vol. 431 of the Notes of Scientific Seminars of the St. Petersburg Department of the Steklov Mathematical

Institute, Russian Academy of Sciences). This volume will be translated into English and published by Springer in the Journal of Mathematical Sciences.

Among many important mathematical results obtained by M.I., his 1969 paper "The central limit theorem for stationary processes" was a seminal contribution to the study of the Central Limit Theorem (CLT) for partial sums of dependent processes, that has influenced a large number of mathematicians to this day. The method of the martingale difference sequence approximation introduced in this paper has proved very useful in many fields besides probability theory, in particular, in dynamical systems.

Misha Gordin was born in Leningrad, the Soviet Union, on September 9th of 1944, to IosifMikhailovich (Osya) Gordin and Rosa Iudovna Welitkranz. His father was originally from a Siberian city of Kansk, and his mother came from Poland in 1932. She was a medical doctor, while I.M. held leading positions in various organizations responsible for hydro- and irrigation systems in Leningrad and the Leningrad region.

Misha grew up a precocious child who is still remembered by his classmates as an exceptionally bright, self-motivated learner. He participated in the mathematical circles, and later taught there himself. In 1961 he started studying mathematics at the Leningrad State University, where he eventually became an advisee of I.A. Ibragimov in the field of probability theory. By the time he defended his PhD (Candidate of Sciences) thesis in 1970, the situation in the Soviet Union had changed. Institutional anti-semitism crept in and, as a result, M.I. could not find any job for several months. Eventually he was employed by the All-Union Research Institute for Electrical Measurements (VNIIEP, now Electromera) in Leningrad. He worked there for more than 20 years, and even though many (including his co-workers) felt that he should have been employed at a more research-oriented organization, he still found some of the problems at the VNIIEP inspiring. As a result, he obtained several results in logic and, moreover, he supervised research of several younger mathematicians in the field. Unfortunately, his results in logic have not been published. In particular, at that time he had his first official PhD student, Alex Wolpert, who is now a Professor at the Department of Computer Science, Roosevelt University, Chicago, USA.

Even though his situation prevented him from assuming an official role of an advisor, many (former) Leningrad mathematicians acknowledge significant influence on their development as mathematicians; among them, Sergey Fomin (U of Michigan) and Vadim Kaimanovich (U of Ottawa).

Finally, with the changes that came to the Soviet Union in the 1990s, M.I. moved to POMI, where he worked for more than 20 years. This also brought an opportunity to travel abroad, which was impossible during the Soviet times. His first foreign trips were to Prague and Gottingen, which were always the special places he liked to visit in later years as well. Moreover, in Gottingen M.I. supervised (jointly with M. Denker) another PhD dissertation, by Rada Dakovic (Matic).

These political changes also allowed him to communicate and collaborate freely with a larger mathematical community including Rick Bradley, Dalibor Volny, and his collaborators Manfred Denker, Friedrich Gotze, Magda Peligrad, and Michel Weber. M.I. chose to remain in St. Petersburg even as many mathematicians left the country, including members of his immediate family. His many interests besides mathematics included music (especially jazz), art and literature. M.I. Gordin is survived by his wife, Natalia Davydovna (Natasha) Gordina, his daughter, Masha Gordina, his granddaughter, Mira, and his son-in-law, Sasha Teplyaev.

American Mathematical Society Committee on Education Meeting

The AMS Committee on Education (COE) met October 24-26, 2019 in Washington, DC.

Katherine Stevenson (California State University, Northridge) is chair of the committee in 2019.

This year's COE meeting began with a dinner on Thursday evening, which provided an overview of the Committee on Education's purpose and objectives, along with reports by AMS Executive Director Catherine Roberts and AMS Associate Executive Director Karen Saxe. The business meeting continued on Saturday.

The second annual Mini-Conference on Education, titled *Mathematics Departments and the Explosive Growth of Computational and Quantitative Offerings in Higher Education* took place on Friday and was organized by COE members Katherine Stevenson (subcommittee chair), Erika Camacho, and Uri Treisman. Total attendance was 100, with 63 department chairs/leaders from across the country, 7 speakers, 11 AMS COE members, and 19 invited guests from umbrella mathematics organizations and federal offices. Presenters' slides and further details are found at the mini-conference website: <https://www.ams.org/meetings/coeminiconference>

Committee Actions:

1. A subcommittee was formed to select the 2021 Impact Award recipient. Additionally, the committee agreed to work with the AMS secretary to draw up a proposal to make the Impact Award a Council award to be awarded at JMM, beginning in 2022. When ready, this proposal will be brought to the committee for input and to be voted upon.
2. A subcommittee was formed in 2018 to conduct a comprehensive review of the AMS portfolio of programs aimed at K-16 education. This curated list was discussed at length, and a new subcommittee was formed to decide which of these should receive review soon (some on the list are already regularly reviewed by other committees, but many have never had formal review). This new subcommittee will work in tandem with the Secretary, who keeps a comprehensive list of programs/activities reviewed by the five policy committees.
3. A joint subcommittee—with members of COE and Committee on the Profession (CoProf)—was formed in 2018 to conduct a review of the Chairs Workshop. COE approved a resolution to Council that “COE endorses the continuation of the department chairs workshop at JMM and that an advisory board be established with representation from COE and CoProf.” This will be formalized and brought to Council in January 2020.
4. It was decided that AMS Director of Education will be the AMS representative to TPSE (<https://www.tpsemath.org/>)
5. A subcommittee was formed in 2019 to conduct a comprehensive review of the AMS portfolio of programs aimed at graduate students, graduate education more broadly, and recent PhDs.

6. A subcommittee was created to write a description of a new lecture on education to be held each JMM, beginning in 2022.
7. A subcommittee was formed to review and make recommendations to Publications on education-related publications.
8. A subcommittee (upon a recommendation from, and to be joint with CoProf) was formed to focus on faculty members (particularly in research departments) whose job descriptions are mostly about teaching, with perhaps some administration included but little or no traditional mathematical research required. Such faculty members often have titles like “Senior Lecturer” or “Professor of the Practice” or “Teaching Professor.” Although often they are not tenure-eligible, sometimes they are. CoProf will supply the Chair of this subcommittee.
9. A “Federal Education Policy Liaison Subcommittee” was formed to work with the Office of Government Relations as needed, providing feedback on policies and reports coming out of federal offices.
10. A subcommittee was formed to plan for the 2020 Mini-Conference and COE panel at the JMM in Washington, DC in 2021, with linked theme.

Previous reports, the committee charge, and the current committee roster are available on the COE webpage: <https://www.ams.org/about-us/governance/committees/coe-home>

*Submitted by Karen Saxe
Associate Executive Director for Government Relations
November 8, 2019*

Members: Deborah Loewenberg Ball, Erika T Camacho, Ralph L Cohen, Michael John Dorff, Douglas E Ensley, Katherine Marie Kinnaird, Susan Loepp, Jill Catherine Pipher, Catherine A Roberts, Carla D Savage, Katherine F Stevenson (CH), Philip Uri Treisman, Ravi D Vakil, Michael Steenstrup Vogelius, Diana White, Jon A Wilkening

American Mathematical Society Committee on Science Policy Meeting

The AMS Committee on Science Policy (CSP) met April 15-16, 2019 in Washington, DC.

Michael Vogelius (Rutgers, The State University of New Jersey) is chair of the committee in 2019.

Committee Actions:

1. The committee feels it is beneficial to engage collaboratively with the Society for Industrial and Applied Mathematics (SIAM) science policy committee to bring a unified voice to Capitol Hill. Therefore, it was decided that the AMS would invite a SIAM representative (SIAM leadership to determine who) to attend the annual AMS CSP meetings going forward.
2. In 2019, the AMS sponsored two graduate students to participate in the Catalyzing Advocacy in Science and Engineering (CASE) fellowship. CASE is a program administered by the American Association for the Advancement of Science (AAAS) that introduces STEM students to the federal policy-making process and empowers them to become advocates for basic research throughout their careers.

A subcommittee of CSP was charged with reviewing the program to determine if the AMS should continue sponsoring fellows in future years, which the subcommittee recommended. CSP unanimously decided that the AMS should continue sponsoring CASE fellows as it did this year.

3. A subcommittee was created in 2018 to review the AMS's participation in the AAAS Congressional Fellowship program. This subcommittee surveyed prior AMS Congressional Fellows about their attitudes before, during and after their fellowship years. Survey results showed that the program had a profound formative influence on AMS fellows. Also, that the program positively impacts the legislative offices that participate. Therefore, CSP unanimously agreed that the AMS should continue its participation in the program.
4. A subcommittee was formed in 2018 to conduct a comprehensive review of the AMS National Policy Statement (NPS) and to potentially draft a news statement for consideration by AMS Council. It was decided that a new statement should be written and this year's CSP formed a new subcommittee to take on this work.
5. A subcommittee was created to review the AMS Public Policy Award to determine if the AMS should make these awards in the future. If so, then the subcommittee will also review the current charge. This award was established in 2007, but never given.
6. A subcommittee was formed to plan for the CSP panel at the JMM in Denver in 2020.

Previous reports, the committee charge, and the current committee roster are available on the CSP webpage: www.ams.org/about-us/governance/committees/csp-home

*Submitted by Karen Saxe
Associate Executive Director for Government Relations
April 25, 2019*

Members: Terrence Richard Blackman, Jeffrey Farlowe Brock, Eddie Fuller, Wolfgang Kliemann, Kasso A Okoudjou, Jill Catherine Pipher, Kenneth A Ribet, Catherine A Roberts, Carla D Savage, Joseph H Silverman, Katherine F Stevenson, Francis Edward Su, Anthony Varilly-Alvarado, Michael Steenstrup Vogelius (CH), Suzanne L Weekes

Seeking a Fellowship in Washington, DC?

The American Mathematical Society hosts fellowships each year to engage the math community with science policy and communicating science. See below for brief descriptions. For more information and exact application deadlines, visit the Office of Government Relations website: <https://www.ams.org/government/government>

Congressional Fellowship for PhD mathematical scientists. Fellows spend a year working on the staff of a Congress member or on a congressional committee, assisting in legislative and policy areas that require scientific and technical input. The program includes an orientation on congressional and executive branch operations, and a year-long seminar series on issues involving science, technology, and public policy. It provides a unique public policy learning experience, demonstrates the value of science-government interaction, and brings a technical background and external perspective to the congressional decision-making process. This is an opportunity open to mathematicians at all career stages – from brand new PhD to retired. **Deadline is mid-February.**

Mass Media Fellowship for undergraduate and graduate students. Fellows receive weekly stipends, plus travel expenses, to work for ten weeks during the summer months as reporters, researchers, and production assistants in media organizations. The program is designed to improve public understanding of science and technology by placing advanced science, mathematics, and engineering students in newsrooms nationwide. Fellows work with media professionals to improve their communication skills and increase their understanding of the editorial process by which events and ideas become news. **Deadline is mid-January.**

Catalyzing Advocacy in Science and Engineering Workshop for graduate students. The CASE workshop, organized by the American Association for the Advancement of Science (AAAS), introduces STEM students to the federal policy-making process and empowers them to become advocates for basic research throughout their careers. Selected students are funded to travel to and participate in a three-and-a-half-day workshop in Washington, DC, learning about the structure and organization of Congress, the federal budget and appropriations processes, and tools for effective science communication and civic engagement. **Deadline is early February.**

AMS Committee on Meetings and Conferences Report 2019

The Committee on Meetings and Conferences (COMC) held its annual meeting on March 9, 2019 at the Hilton Chicago O'Hare Airport. Kelly McKinnie of the University of Montana, chair, presided.

In Fall 2018, it was announced that the AMS will be solely responsible for hosting and managing the Joint Mathematics Meetings (JMM), starting with JMM 2022. Thus much of the COMC meeting was devoted to examining JMM as it is now and brainstorming about what JMM might look like in the future. Fortuitously, the topic of COMC's annual review this year was the overall AMS program at the JMM. COMC discussed the review subcommittee's report, which included the results of a focus group that it had conducted at JMM 2019, and it noted that many attendees value the breadth of programming at JMM. Looking ahead, COMC thought about what a re-imagined JMM might look like in 2022 and beyond, identifying current features that should be retained and suggesting many possible new elements of the program. COMC also agreed to continue to explore the possibility of establishing joint invited addresses at JMM with the National Association of Mathematicians (NAM) and other organizations.

As a result of its discussion, COMC recommended that the Council endorse the principle that the JMM will continue to represent the full spectrum of interests of the mathematical community, and it recommended establishing an *ad hoc* Joint Meetings Planning Committee to oversee the planning for, and conduct of, the annual January mathematics meetings. Both recommendations, after some modifications, were approved by the April 2019 Council.

In other business, COMC created a subcommittee (joint with the Committee on Science Policy) to recommend whether the AMS should avoid holding meetings in states with discriminatory laws. It also agreed to organize a town hall at JMM 2020 in which the Executive Director would field questions about plans for the future of the JMM. This event will be held on Friday, January 17, at 3:00 – 4:00 p.m. COMC chose Sectional meetings as the topic for its next annual review

COMC will hold its next meeting on March 28, 2020 at The Westin Detroit Metropolitan Airport.

*T. Christine Stevens
Associate Executive Director
November, 2019*

2019 Members: Martin J Bridgeman, Edray Herber Goins, John Lowengrub, Kelly McKinnie (CH), Irina Mitrea, Andrea R Nahmod, Maria Cristina Pereyra, Jill Catherine Pipher, Catherine A Roberts, Sema Salur, Carla D Savage, Judy Leavitt Walker, Talitha M Washington

Report on the 2019 meeting of the Mathematical Reviews Editorial Committee.

The 2019 meeting of the Mathematical Reviews Editorial Committee (MREC) took place on October 14, 2019, at the Mathematical Reviews building in Ann Arbor, Michigan.

When deciding on coverage of journals, Mathematical Reviews considers the mathematical and scientific content of the journal, but also considers the publishing practices of the journal. MREC adopted a new “Mathematical Reviews Policy on Indexing Journals”, which replaces the older “Mathematical Reviews Policy on Indexing Electronic Journals” that had been adopted in 2005. The new policy is posted here:

<https://www.ams.org/publications/math-reviews/mrpolidxjl>

An important characteristic of Mathematical Reviews, which is reflected in MathSciNet, is the basis of editorial decisions in considerations of research in the mathematical sciences. MREC discussed the needs for clear editorial standards that emphasize the mathematical foundation of the MR database. MREC voted to make changes to the MR Editorial Statement emphasizing that the database is produced by the American Mathematical Society and curated by mathematicians.

Recent activities at Mathematical Reviews were described. Mathematical Reviews is working with the Institute of Mathematical Statistics (IMS) to provide access to the data from the Current Index of Statistics (CIS) after they take it offline on December 31, 2019. A free version of the CIS will be available on the MathSciNet servers. Also, MR will match their data against our own and enhance MathSciNet with the CIS data, thus dramatically improving our coverage of statistics, especially applied statistics. New journal profile pages were released in June 2019. MR is working with a researcher from MIDAS (Michigan Institute for Data Science) to create a new author disambiguation algorithm and software that combine machine-learning and human expertise. This will greatly improve MR’s ability to handle the ever-increasing number of authors and papers we need to match.

Associate Editors Caicedo and Carlson reviewed the status of the MR/zbMATH revision of the Mathematics Subject Classification. All the updates for the MSC-2020 revision have been agreed upon by MR and zbMATH. One overall change is that the classification descriptions have all been edited to be more useful in digital media, rather than assuming that they will be used in printed form. It remains to incorporate the new classifications into the MR database and MathSciNet.

Seven journals and one book series (collections) were added to the reference list program. Six of the journals were adopted by consent. This brings the total of reference list journals to 643 and reference list book series to 5.

The next meeting of MREC will be Monday, October 12, 2020, in Ann Arbor.

*Danny Calegari, Chair
presented by Edward Dunne, Executive Editor*

2019 Members: Danny C. Calegari (CH), Pam Cook, Andreas Frommer, Motoko Kotani, Jeffrey C Lagarias, Zbigniew Nitecki, Catherine A Roberts, Pham Huu Tiep

Prize Oversight Committee

Annual Report

The Prize Oversight Committee met for the first time, via video-conference, on September 19, 2019. The committee agreed that the most pressing issues in its charge were: the formulation of a policy on revocation of AMS Fellowships; and recruiting a larger, more diverse pool of nominees for AMS Prizes. Subcommittees were formed to address these issues.

Submitted on October 25, 2019 by Jared Wunsch on behalf of the committee: Irene Fonseca, Eric M Friedlander, Carolyn Gordon, Gloria Mari Beffa, Jill Catherine Pipher, Catherine A Roberts, Carla D Savage, Shmuel Weinberger, Jared Wunsch (Chair)

**Review of the Ethical Guidelines of the American Mathematical Society
Committee on Professional Ethics
Fall 2019**

Section 0: Introduction.

In Spring 2019, the Committee on Professional Ethics (COPE) was informed by AMS Secretary Carla Savage that the January 2019 Council of the AMS, upon the recommendation of its Committee on the Profession (CoProf), approved a new, substantially revised, charge to COPE. In particular, COPE is no longer charged with enforcement of ethical guidelines, investigating violations, mediating disputes, etc. Rather, the Committee is now charged as follows:

- *Advising AMS governance and staff on ethics policy and concerns;*
- *Fostering awareness of ethical issues and promoting ethical behavior amongst individuals and institutions working within the field of mathematics by recommending policies and/or educational programs;*
- *Maintaining the AMS Ethical Guidelines, including reviewing the guidelines, recommending updates to Council and offering high level interpretations.*

Neither COPE nor any of its members shall solicit or otherwise invite complaints, nor shall they provide advice on individual cases. COPE does not have the authority to investigate, disclose, make public, act on, rule on, mediate or arbitrate ethical complaints, alleged violations, or other ethical matters.

The current charge may be found here:

<http://www.ams.org/about-us/governance/committees/profethics-charge.pdf>

The Council also approved changes to the Ethical Guidelines - removing language giving the impression that the AMS has the authority, expertise, and resources to enforce the guidelines.

Given that the AMS Ethical Guidelines have been recently updated, and that COPE is charged with the maintenance and review of these guidelines, COPE was tasked with the completion of such a review in advance of the Fall 2019 CoProf meeting. This document consists of our preliminary review.

Section 1: Ethical Guidelines.

In order to make this document self contained, we now include the AMS Ethical Guidelines as found here: <http://www.ams.org/about-us/governance/policy-statements/sec-ethics>

American Mathematical Society Policy Statement on Ethical Guidelines

Preamble:

In January 1994 the AMS Council received the report of its Special Advisory Committee on Professional Ethics. The Committee, which consisted of Murray Gerstenhaber, Frank Gilfeather, Elliott Lieb, and Linda Keen (Chair), presented ethical guidelines for adoption by the Council. Those draft guidelines were published twice in the Notices of the AMS, with a request to the membership for responses and suggestions for changes or improvements. These were sent to the Committee, which considered all suggestions. The Committee then redrafted the guidelines and presented the redraft to the January 1995 Council. At that meeting, the Council voted to adopt the guidelines as a resolution of the Council (by a vote that was unanimous save for one abstention), and shortly thereafter the Council adopted them "so as to speak in the name of the Society", a more official designation.

Acting upon recommendations from the AMS Committee on the Profession, in January 2004 the Council approved a general revision to the document, which also incorporated additional statements describing and deploring plagiarism. In January 2005, the Council adopted these guidelines "so as to speak in the name of the Society."

Acting upon recommendations from the AMS Committee on the Profession, in January 2019 the Council approved changes to the charge to the AMS Committee on Professional Ethics, which then required changes to this Ethical Guidelines document.

ETHICAL GUIDELINES OF THE AMERICAN MATHEMATICAL SOCIETY

Adopted by the Council of the American Mathematical Society in January 2005 so as to speak in the name of the Society. Modified by the Council of the American Mathematical Society in January 2019.

To assist in its chartered goal, "...the furtherance of the interests of mathematical scholarship and research ...", and to help in the preservation of that atmosphere of mutual trust and ethical behavior required for science to prosper, the Council of the American Mathematical Society sets forth the following ethical guidelines. These guidelines reflect its expectations of behavior both for AMS members, as well as for all individuals and institutions in the wider mathematical community, including those engaged in the education or employment of mathematicians or in the publication of mathematics. These guidelines are not a complete expression of the principles that underlie them. The guidelines are not meant to be a complete list of all ethical issues. They will be modified and amplified by events and experience. These are guidelines, not a collection of rigid rules.

The AMS cannot enforce these guidelines, however, and it cannot substitute for individual responsibility or for the responsibility of the mathematical community at large.

I. MATHEMATICAL RESEARCH AND ITS PRESENTATION

The public reputation for honesty and integrity of the mathematical community and of the Society is its collective treasure and its publication record is its legacy.

The knowing presentation of another person's mathematical discovery as one's own constitutes plagiarism and is a serious violation of professional ethics. Plagiarism may occur for any type of work, whether written or oral and whether published or not.

The correct attribution of mathematical results is essential, both because it encourages creativity, by benefiting the creator whose career may depend on the recognition of the work and because it informs the community of when, where, and sometimes how original ideas entered into the chain of mathematical thought. To that end, mathematicians have certain responsibilities, which include the following:

- To endeavor to be knowledgeable in their field, especially about work related to their research;
- To give appropriate credit, even to unpublished materials and announced results (because the knowledge that something is true or false is valuable, however it is obtained);
- To publish full details of results that are announced without unreasonable delay, because claiming a result in advance of its having been achieved with reasonable certainty injures the community by restraining those working toward the same goal;
- To use no language that suppresses or improperly detracts from the work of others;
- To correct in a timely way or to withdraw work that is erroneous.

A claim of independence may not be based on ignorance of widely disseminated results. On appropriate occasions, it may be desirable to offer or accept joint authorship when independent researchers find that they have produced identical results. All the authors listed for a paper, however, must have made a significant contribution to its content, and all who have made such a contribution must be offered the opportunity to be listed as an author. Because the free exchange of ideas necessary to promote research is possible only when every individual's contribution is properly recognized, the Society will not knowingly publish anything that violates this principle.

II. SOCIAL RESPONSIBILITY OF MATHEMATICIANS

The Society promotes mathematical research together with its unrestricted dissemination, and to that end encourages all to engage in this endeavor. Mathematical ability must be respected wherever it is found, without regard to race, gender, ethnicity, age, sexual orientation, religious belief, political belief, or disability.

The growing importance of mathematics in society at large and of public funding of mathematics may increasingly place members of the mathematical community in conflicts of interest. The appearance of bias in reviewing, refereeing, or in funding decisions must be scrupulously avoided, particularly where decisions may affect one's own research, that of colleagues, or of one's students. When conflicts of interest occur, one should withdraw from the decision-making process.

A recommendation accurately reflecting the writer's views is often given only on the understanding that it be kept confidential; therefore, a request for a recommendation must be assumed to carry an implicit promise of confidentiality, unless there is a statement to the contrary. Similarly, a referee's report is normally provided with the understanding that the name of the writer be withheld from certain interested parties, and the referee must be anonymous unless otherwise indicated in advance. The writer of the recommendation or report must respond fairly and keep confidential any privileged information, personal or mathematical, that the writer receives. If the requesting individual, institution, agency or company becomes aware that confidentiality or anonymity cannot be maintained, that should be immediately communicated.

Where choices must be made and conflicts are unavoidable, as with editors or those who decide on appointments or promotions, it is essential to keep careful records that would demonstrate the process was indeed fair when inspected at a later time.

Freedom to publish must sometimes yield to security concerns, but mathematicians should resist excessive secrecy demands whether by government or private institutions.

When mathematical work may affect the public health, safety or general welfare, it is the responsibility of mathematicians to disclose the implications of their work to their employers and to the public, if necessary. Should this bring retaliation, the Society will examine the ways in which it may want to help the "whistle-blower", particularly when the disclosure has been made to the Society.

No one should be exploited by the offer of a temporary position at an unreasonably low salary and/or an unreasonably heavy workload.

III. EDUCATION AND GRANTING OF DEGREES

Holding a Ph.D. degree is virtually indispensable to an academic career in mathematics and is becoming increasingly important as a certificate of competence in the wider job market. An institution granting a degree in mathematics is certifying that competence and must take full responsibility for it by ensuring the high level and originality of the Ph.D. dissertation work, and sufficient knowledge by the recipient of important branches of mathematics outside the scope of

the thesis. Mathematicians and organizations involved in advising graduate students should fully inform them about the employment prospects they may face upon completion of their degrees.

IV. PUBLICATIONS

Editors are responsible for the timely refereeing of articles and must judge articles by the state of knowledge at the time of submission. Editors should accept a paper for publication only if they are reasonably certain the paper is correct.

The contents of submitted manuscript should be regarded by a journal as privileged information. If the contents of a paper become known in advance of publication solely as a result of its submission to or handling by a journal, and if a later paper based on knowledge of the privileged information is received anywhere (by the same or another journal), then any editor aware of the facts should refuse or delay publication of the later paper until after publication of the first--unless the first author agrees to earlier publication of the later paper.

At the time a manuscript is submitted, editors should notify authors whenever a large backlog of accepted papers may produce inordinate delay in publication. A journal may not delay publication of a paper for reasons of an editor's self interest or of any interest other than the author's. The published article should bear the date on which the manuscript was originally submitted to the journal for publication, together with the dates of any revisions. Editors must be given and accept full scientific responsibility for their journals; when a demand is made by an outside agency for prior review or censorship of articles, that demand should be resisted and, in any event, knowledge of the demand should be made public.

Both editors and referees must respect the confidentiality of materials submitted to them unless these materials have previously been made public, and above all may not appropriate to themselves ideas in work submitted to them or do anything that would impair the rights of authors to the fruits of their labors. Editors must preserve the anonymity of referees unless there is a credible allegation of misuse.

All mathematical publishers, particularly those who draw without charge on the resources of the mathematical community through the use of unpaid editors and referees, must recognize that they have made a compact with the community to disseminate information, and that compact must be weighed in their business decisions.

The Society will not take part in the publishing, printing or promoting of any research journal where there is some acceptance criterion, stated or unstated, that conflicts with the principles of these guidelines. It will promote the quick refereeing and timely publication of articles accepted to its journals.

Section 2: Preliminary Review

This section contains our preliminary review, which consists of comments and questions for further review and discussion.

Subsection 2.1: Preliminary Review Summary.

The AMS Ethical Guidelines provide sound guidance on a number of important issues faced by the mathematics community. The Ethical Guidelines policy statement also has room for improvement in the discussion of several key areas, including the role of teaching in the educational training of mathematicians, the role of the individual in interacting with publishers, and the role of social media in mathematical announcements. Most importantly, the Ethical Guidelines also miss an important opportunity to play a leadership role in guiding the mathematics community into a more inclusive future.

Subsection 2.2: Detailed Comments.

- I. Mathematical Research and its Publication
 - A. In Section I bullet point two, it is stated that mathematicians have the responsibility to “give appropriate credit, even to unpublished materials and announced results.” The mathematics community would benefit from clarification with regard to social media. If someone tweets an accomplishment, does this count as an announcement?
 - B. Continuing with the same bullet point, the mathematical community would benefit from greater clarity in the Guidelines regarding folk theorems and other unpublished results claimed to be known by experts in the field. Discrepancy on the state of knowledge in a given field leads to conflict, which may disproportionately impact junior mathematicians and those without political capital, including minoritized mathematicians. The example of Olivia Caramello is instructive.
<https://www.oliviacaramello.com/Unification/InitiativeOfClarificationResults.html>
 - C. Relatedly, in the first bullet point, it is noted that mathematicians have the responsibility to “endeavor to be knowledgeable in their field, especially about work related to their research.” If discussion of current mathematics is taking place online, does that mean that mathematicians have an ethical professional responsibility to stay up to date using social media? If so, which platforms? MathOverflow, Twitter, Facebook? Blogs? Others? Is a subset sufficient?
- II. Social Responsibility of Mathematicians
 - A. The guidelines state that “[m]athematical ability must be respected wherever it is found, without regard to race, gender, ethnicity, age, sexual orientation, religious belief, political belief, or disability.” It is important that the AMS has recognized these protected identity characteristics. Other identity characteristics which are protected by state and federal laws include country of origin and first language spoken.
 - B. The key sentence above is also too vague and lacking in conviction. What does it mean to find mathematical talent? All too often mathematical talent is overlooked in

women, LGBTQ, Black, Latinx, and Native American individuals and in people with disabilities. There are also regional biases, and the mathematical community does not search with enthusiasm for mathematical talent in Appalachia, the rural south, and low income urban communities.

- C. Continuing with this same sentence, what does it mean for mathematical talent to be “respected”? “Encouraged” might better reflect the intent here. For instance, an instructor may respect the mathematical talent they find in a Latinx student, but nonetheless discourage this student from continuing in mathematics because the instructor assumes the student will not be happy in mathematics graduate school, not based on mathematical talent, but for “cultural reasons.”
- D. With these points in mind, the position of the AMS should be strong and clear. The Ethical Guidelines should clearly state that the AMS encourages participation in mathematics among people who self-identify as members of groups historically excluded from mathematics, including people who self identify as women, Black, Latinx, Native American or LGBTQ. This is an opportunity for the AMS to play a leadership role.
- E. Continuing in this section, it is noted that “a referee's report is normally provided with the understanding that the name of the writer be withheld from certain interested parties, and the referee must be anonymous unless otherwise indicated in advance.” The AMS Ethical Guidelines do not supply justification here. Certainly double-blind refereeing is more objective than single-blind. Why not move in this direction?

III. Education and Granting of Degrees

- A. Section III makes no mention of teaching or supervising, despite the fact that almost all professional mathematicians have teaching and student supervision as central, if not primary, responsibilities. It is noted that “[h]olding a Ph.D. degree is virtually indispensable to an academic career in mathematics and is becoming increasingly important as a certificate of competence in the wider job market.” The presumption is that holding a PhD is also a certificate of competence in academic positions as well. But nearly all permanent academic positions require teaching. And the vast majority of PhD programs in mathematics do not specifically train students for positions outside of the professoriate. Is it good practice to design graduate programs focused on preparation for academic careers, where graduates will almost surely be required to teach, but to exclude teaching training from the expectations for mathematics PhD programs?
- B. It is further noted that “Mathematicians and organizations involved in advising graduate students should fully inform them about the employment prospects they may face upon completion of their degrees.” However PhD advisors may be relatively uninformed about career options outside of research-centered academic positions. So, advisors may be unable to comply with this guideline. An alternate interpretation of this subject is that advisors should let students know if they think the student will make it in academics. But it is dangerous for advisors to serve as gatekeepers of the discipline, especially with our current understanding of inherent bias and the gender inequity and underrepresentation in mathematics. Rather, advisors should be encouraged to support their students to the best of their abilities.

IV. Publications

- A. It is stated that “[a]ll mathematical publishers, particularly those who draw without charge on the resources of the mathematical community through the use of unpaid editors and referees, must recognize that they have made a compact with the community to disseminate information, and that compact must be weighed in their business decisions.” This gives vague guidance to publishers, but does not discuss the role of the individual. If a mathematician perceives that a publisher has broken such a compact, what are they to do? Given the boycotts and other actions of recent years, the AMS would play an important leadership role in clarifying the Societies recommendations upon breach of compact.

Section 3: Further Review.

As noted above, COPE is charged with “[m]aintaining the AMS Ethical Guidelines, including reviewing the guidelines, recommending updates to Council and offering high level interpretations.” This document serves as a review of the current guidelines, makes specific recommendations, and our summary in Section 2.1 offers high-level interpretations.

However, this committee recommends further review of the Ethical Guidelines statement with input beyond that from COPE. We recommend that the AMS governance, including the Council and Board of Trustees, and Executive Director and Executive Staff, seek input on the Ethical Guidelines from the AMS membership and the broader mathematical community. We recommend that professional staff (internal or retained) design and create an instrument to gather and analyze feedback from the community and collect best practices from other related disciplines. We further recommend a design process that allows the Ethical Guidelines to be a living document, capable of incremental change in response to community feedback.

In addition, with regards to the charge of “[f]ostering awareness of ethical issues and promoting ethical behavior amongst individuals and institutions working within the field of mathematics by recommending policies and/or educational programs,” we recommend the AMS build educational materials (see for example the ACM’s “Using this Code”) to assist members in understanding the implications of ethics in pure and applied mathematics scholarship, teaching, and professional societies.

Annual Report
Mathematics Research Communities Advisory Board
Fall 2019

The Mathematics Research Communities (MRC) is an AMS program that helps early-career mathematicians to get their research off to a good start and provides them a jump-start on research in new, rapidly developing areas of mathematics. It is supported by generous grants from the National Science Foundation (NSF, DMS numbers 1641020 and 1916439), donations from individuals, 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, the Advisory Board selects several mathematical topics 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.

The program began in 2008 and currently has grant support through 2022. In the years 2008 through 2019, the program has run 43 summer conferences on topics spanning a good bit of the mathematical research landscape and has produced roughly 1,300 participant alumni. In recent years, some of those alumni have themselves become organizers.

Besides recruiting, evaluating, and recommending proposals to organize MRC summer conferences, the Advisory Board also has the goals of raising the visibility of the MRC program and providing occasional advice to the AMS staff in its administration of the program.

On the program at the 2019 JMM in Baltimore, were five Special Sessions on the topics of the 2018 MRCs: "The Mathematics of Gravity and Light," "Harmonic Analysis: New Developments on Oscillatory Integrals," "Quantum Symmetries: Subfactors and Fusion Categories," "Number Theoretic Methods in Hyperbolic Geometry," and "Agent-based Modeling in Biological and Social Systems." The organizers for these sessions were participants at the 2018 MRC summer conferences. Roughly two thirds of the 2018 participant cohort attended the Joint Meetings with support from the program.

The AMS ran three MRC conferences in the summer of 2019 at the Whispering Pines Conference Center in West Greenwich, Rhode Island. These drew about 256 applications from early-career mathematicians for the 120 available NSF-funded slots. Following are those conferences:

Geometric Representation Theory and Equivariant Elliptic Cohomology – June 2 - 8, 2019

Organizers: Dan Berwick-Evans, University of Illinois at Urbana-Champaign; Emily Cliff, University of Illinois at Urbana-Champaign; Nora Ganter, University of Melbourne; Arnav Tripathy, Harvard University; Josh Wen, University of Illinois at Urbana Champaign

Stochastic Spatial Models, June 9 – 15, 2019

Organizers: Shankar Bhamidi, University of North Carolina, Chapel Hill; Gerandy Brito, Georgia Institute of Technology; Michael Damron, Georgia Institute of Technology; Rick Durrett, Duke University; Matthew Junge, Duke University

Explicit Methods in Arithmetic Geometry in Characteristic p , June 16 – 22, 2019

Organizers: Renee Bell, University of Pennsylvania; Julia Hartmann, University of Pennsylvania; Valentijn Karemaker, University of Pennsylvania; Padmavathi Srinivasan, Georgia Institute of Technology; Isabel Vogt, Massachusetts Institute of Technology

In addition to the combined 120 NSF-supported summer conference participants, the three groups included two self-funded participants, seven partially-self-funded senior advisors who spent some or all of the week on site working with participants, and several off-site senior advisors who were on call to answer participants' questions.

From twelve pre-proposals and proposals submitted in the fall of 2018, the Advisory Board selected proposals for the following 2020 summer conferences:

Dynamics of Infectious Diseases: Ecological Models across Multiple Scales – May 31 – June 6, 2020

Julie Blackwood, Williams College; Lauren Childs, Virginia Tech; Suzanne Lenhart, University of Tennessee, Knoxville; Olivia Prosper, University of Tennessee, Knoxville

Combinatorial applications of Computational Geometry and Algebraic Topology - May 31 – June 6, 2020

Stephen Melczer, University of Pennsylvania; Marni Mishna, Simon Fraser University; Robin Pemantle, University of Pennsylvania

Analysis in Metric Spaces – June 7 – 13, 2020

Mario Bonk, University of California at Los Angeles, Luca Capogna, Worcester Polytechnic Institute; Piotr Hajlasz, University of Pittsburgh; Nageswari Shanmugalingam, University of Cincinnati; Jeremy Tyson, University of Illinois at Urbana-Champaign

New Problems in Several Complex Variables – June 7 – 13, 2020

Dusty Grundmeier, Harvard University; Loredana Lanzani, Syracuse University; Yunus Zeytuncu, University of Michigan-Dearborn

Detailed information and the online application form are available at <http://www.ams.org/programs/research-communities/mrc-20>, and applications to participate are due by February 15, 2020.

Proposals and pre-proposals to organize the 2021 MRCs were due in early fall, 2019, and AMS received six such (pre-)proposals. The Board is in the process of evaluating them and should complete that process by the end of the year.

In July of 2019, the AMS received an award (NSF DUS #1916439 mentioned above) of approximately \$1.5 million to support the program, starting September 1, 2019 and running through August 31, 2022. The PI on this grant is Thomas Barr, and the co-PI is T. Christine Stevens.

Brian Conrey, Chair, MRC Advisory Board

T. Christine Stevens, AMS Associate Executive Director, PI

Thomas H. Barr, AMS Special Projects Officer, co-PI

December 2019

AMS Library Committee, 2019 Annual Report, November 4, 2019

The AMS library committee met on January 18, 2019 at the Joint Mathematics Meetings in Baltimore. The agenda included the following topics:

Discussion Items

- How can we improve the communication between Libraries and Departments – are there any issues that should be discussed? (M. Turcotte)
- Update on Open Access models. (R. Harington)
- Report from Mathematical Reviews. (E. Dunne)
 - New features / functionality: New features include: a prototype of an updated Journals Profile page. It will be available on the version of MathSciNet available at the Joint Mathematics Meetings. Feedback from librarians is especially welcomed.
 - Projects: Newly added reference list journals. Work on improving old data in MathSciNet.
 - Working with librarians: How can we communicate better with librarians to help develop MathSciNet in ways that meet their needs?
- Discussion regarding how open content is impacting mathematics. (S. Kaliszewski)

Mohamed Elhamdadi and Brian Quigley were appointed co-chairs effective February 1, 2019. Other committee members are Lauren Gala, Matthew Marsteller, Jack Morava, Bruce Reznik, Mira Waller, and Alan Weinstein.

The committee is scheduled to meet 1:00-2:00pm on Friday, January 17, 2020 at the Joint Mathematics Meetings in Denver. Some members plan to attend the meeting by conference call. Proposed agenda topics include the OA landscape in mathematics, the Subscribe to Open model, MathSciNet updates, updates on institutional memberships and librarian communications, and preparing undergraduates for meeting information needs in their careers. Additional agenda items are being collected via email.

Mohamed Elhamdadi (University of South Florida), co-chair
Brian Quigley (University of California, Berkeley), co-chair

Young Scholars Award Committee
Report
October 15, 2019
Joel Spencer, Chair

The committee consisted of: Erika Camacho, Diana Davis, Rebecca Garcia, Joel Spencer (chair). The AMS support person was Pamela Morin.

The committee communicated via email and held a conference call on January 23, 2019. We funded 26 programs (of some 35 applicants) for a total of \$ 150,000. The amounts varied from \$ 3000 to \$ 15000. The smaller amounts were for programs that were very small in numbers and/or very short in length. Full length programs were generally funded for between \$ 8000 and our maximum \$ 15000.

The programs funded were (in alphabetical order):

AIMC Math Camp at Navajo Prep
All Girls/All Math
Baa Hozho Math Camp
Bridge to Enter Advanced Mathematics (BEAM)
Broward Young People's Project
Canada/USA Mathcamp
Center for Mathematical Talent
Euclid Lab
GirlsGetMath@ICERM
GirlsGetMath@Rochester
Joaquin Bustoz Math-Science Honors Program
MathILy
MathILy-Er
Mathworks Honors Summer Math Camp
New York Math Circle H.S. Summer Program
Programs in Mathematics for Young Scientists (PROMYS)
Puerto Rico Opportunities for Talented Students in Math (PROTaSM)
QTM Math Circle
Research Science Institute (RSI)
Ross Math Program
SigmaCamp
Summer Illinois Math Camp
Summer Institute for Math at UW
TexPREP-Lubbock Texas Tech University
Williams College Math Camp

We feel that this program is satisfying its original goal in encouraging

October 2019

This is the 2019 report on the activities of the Arnold Ross Lecture Series Committee. The current membership is:

Robert A. Fefferman, University of Chicago
Steven Joel Miller, Chair, Williams College
Ken Ono, University of Virginia
Zvezdelina E. Stankova, University of California, Berkeley

The 2019 committee invited Professor Bjorn Poonen to give the 2019 lecture on May 31st. He spoke on *Elliptic Curves*. Approximately 260 students attended the talk. The students had a number of questions for Professor Poonen during the question and answer period as well as after his talk. Poonen was generous with his time and continued to answer the students' questions even after his talk.

This year, for the first time, the Lecture was held in conjunction with American Regions Mathematics League (ARML) at its Pennsylvania State University location. The ARML competition takes place on the weekend immediately following Memorial Day at four locations across the continental U.S.: the University of Georgia, the University of Iowa, Penn State and the University of Nevada, Las Vegas. There are approximately 2100 talented, middle to high school age students competing across the country that are drawn from more than 40 states and eight countries. Around 1100 students participated at the Penn State competition, with more than 260 students, chaperones and teachers attended Poonen's talk.

Professor Poonen began his talk by describing in detail the classical problems on finding Pythagorean triples, and smoothly moved to more modern questions related to finding points on elliptic curves. The slides are available online from his homepage (<http://math.mit.edu/~poonen/slides/elliptic.pdf>), and he ended with some fascinating and easy to state open problems on the distribution of their ranks.

In 2020, the Arnold Ross Lecture will again be held in conjunction with ARML, this time at the University of Iowa location on May 29th and Noam D. Elkies will be the speaker. Interestingly, the final slide of the 2019 talk is on work of Elkies, who holds the record for finding the curve with largest known rank.

Steven J. Miller
(sjm1@williams.edu)
Chair, Arnold Ross Lecture
Committee Department of
Mathematics & Statistics
Williams College

Annual Report for 2019
AMS Short Course Subcommittee
December 2019

Committee Members

Jennifer S. Balakrishnan (Boston University)
Greg Bard (University of Wisconsin, Stout)
Andrew Bernoff (Harvey Mudd College)
Andrew J. Blumberg (University of Texas Austin)
René Carmona (Princeton University), chair
Keenan Crane (Carnegie Mellon University)
Thaleia Zariphopoulou (University of Texas, Austin)

In January 2019, the Short Course “Sum of Squares: Theory and Applications,” ran at the Joint Mathematics Meetings in San Diego, with 91 individuals registering.

By February 2019, the Committee received two proposals to organize a short course at the 2020 Joint Meetings:

- Weakly Differentiable Functions: from Classical Theory to Modern Innovations
- Mean Field Games

The Committee requested revisions from both sets of proposers, and in a conference call in March 2019, it selected “Mean Field Games: from Nash Equilibria to Agent-based Models,” organized by François Delarue (Université Nice-Sophia Antipolis), for the 2020 Short Course. The course will run on January 13 – 14, 2020 in Denver, Colorado, just preceding the Joint Mathematics Meetings.

Throughout mid- to late-2019, the AMS published a call for proposals to organize the 2021 Short Course, and it expects to receive proposals and make selections by February 2020.

2019 ANNUAL REPORT OF THE AMS-ASA-MAA-SIAM DATA COMMITTEE
Amanda L. Golbeck, Chair
December 2019

The AMS-ASA-MAA-SIAM Joint Data Committee guides the collection and dissemination of data under the aegis of the Mathematical and Statistical Sciences Annual Survey on matters of concern to the mathematical and statistical sciences community. The committee held its annual meeting during the Joint Mathematics Meetings in Baltimore, MD in January 2019. There it discussed data gathered, summarized and published during the previous year and made recommendations on data to be gathered in 2019. AMS Staff in Providence, under the direction of T. Christine Stevens, Associate Executive Director for Meetings and Professional Services, carry out the collection and analysis of data and the writing of the reports jointly with the committee chair. AMS staff members involved in this work during 2019 included Thomas Barr, Special Projects Officer, Colleen Rose, AMS Survey Analyst, and Kayla Roach, AMS Data Collection 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, 2016–June 30, 2018, four reports were published in the *Notices of the AMS* during 2019 and two more are in press for early 2020.

Staff at AMS handled six requests for specialized reports drawn from the Annual Survey Data.

Members of the committee for 2019 and the organization they represent are given below. Terms expire on January 31 of the listed year.

Thomas Barr	AMS	Ex Officio	Nate Ritchey	MAA	2021
Amanda L. Golbeck	ASA	2022	Wei Shen	ASA	2021
Abbe H. Herzig	AMS	2019	Alexander Suci	AMS	2019
John Holcomb	MAA	2020	Bogdan Vernescu	SIAM	2019
Mark Huber	AMS	2019	Qing Wang	AMS	2020
Patti Lock	MAA	2021	Andrew Whelan	AMS	2022

What's New:

- 1) Two-member subcommittees were formed to review the Annual Survey forms and suggest revisions.
- 2) The scope of the 2018-2019 Academic Faculty Salaries survey was expanded to request salaries for full-time non-tenure-track faculty as well as part-time faculty salaries and pay for instructional staff by the course.
- 3) For the first time, a survey of recipients of master's degrees in mathematical and statistical sciences was conducted. Preliminary findings will likely be published in 2020.
- 4) Here are the Annual Survey reports published during the past year and in press; the authors are Amanda L. Golbeck, Thomas H. Barr, and Colleen A. Rose:
 - Doctoral Degrees Conferred, 2017–2018, *Notices of the AMS* (66): 1118 – 1149, August 2019.
 - Report on the 2016–2017 New Doctorate Recipients, *Notices of the AMS* (66): 1151 – 1160, August 2019.
 - Report on the 2016–2017 Employment Experiences of the New Doctoral Recipients, *Notices of the AMS*, (66): 1161 – 1165, August 2019.
 - Fall 2017 Departmental Profile Report, *Notices of the AMS* (66): 1721 – 1730, November 2019.
 - 2017 – 2018 Academic Recruitment, Hiring, and Attrition, to appear in *Notices of the AMS* (67): February 2020.
 - 2018 – 2019 Faculty Salaries Report, to appear in *Notices of the AMS* (67): February 2020.

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 reports 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 provide 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 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 a guidebook titled *Assistantships and Graduate Fellowships in the Mathematical Sciences*.

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.

2019 Annual Report
The AMS-MAA Joint Committee on Teaching Assistants and Part-Time Instructors
(JTTAPTI)

Members: Solomon Friedberg (Chair), John D. Boller, Amy Cohen, Angela K. Kubena, Tom Roby, Hal Sadofsky, Natasha M. Speer, Michael J. Weingart.

2019 Committee Meeting: The JTTAPTI had been having trouble with attendance at its annual meetings held at the JMM, so we went to an e-meeting format this past year using Zoom, a meeting platform which was provided by the MAA. The meeting format worked well and attendance at the 2019 meeting was high. Members are enthusiastic to conduct future meetings in this way.

JMM 2020 Planned Activities: During the past year the Committee has planned and obtained approval to sponsor two panels at the 2020 JMM in Denver. The first panel,

Looking for teaching oriented positions: A panel for graduate students and post-docs,

will highlight teaching positions and how beginning scholars can prepare for and look for them. The other,

Preparing your graduate students for teaching oriented positions: A panel for Ph.D. granting departments and faculty

will discuss how to prepare doctoral students for such positions, and how doing so can be advantageous to Ph.D. programs and to our profession over all. Tom Roby will serve as the moderator for the first of these panels, and Sol Friedberg for the second. The Committee recognized the overlap of these panels with the expertise of the MAA's Project NExT and we are pleased to report that Project NExT has responded positively to our invitation to co-sponsor these panels.

Resolution Concerning the JMM: The JCTAPTI passed a resolution which expressed regret that the MAA was withdrawing from co-sponsorship of the JMM and concern that this withdrawal might decrease the opportunity for valuable interaction among mathematicians interested in education across all IHEs, including interactions related to the work of this joint committee. The resolution was reported to the MAA and the AMS.

Discussion of Full Time Teaching Faculty: The committee discussed the topic of full-time teaching-focused faculty off the tenure-track (TFF). No joint committee has a charge focused on TFF. However the preparation of TFFs generally occurs during graduate school and so is in the domain of this committee; in addition, TFFs are often charged with supporting TAs in their teaching roles. (In addition, we note that there is intersection with charges to the Jt Com on Women, the AMS CoProf and AMS EdCom, and MAA CoProf and other MAA committees and councils.) To date, there has been intermittent ongoing discussion within the AMS and the MAA about how best to maintain attention to this topic. In our discussion of TFF faculty, we noted that TFF faculty are found at many doctoral departments, and the number of such positions is growing. TFF faculty may teach the full range of undergraduate courses as instructor-of-record and have a substantial impact on students. We concluded that it would be valuable for the AMS and the MAA to consider the needs of such faculty systematically.

Data: The Committee has often expressed an interest in getting data related to its charge, but progress has been slow. One thing we can do is to raise this issue with the wider societies. The committee arrived at the following list of data it would find helpful:

1. Information about the number of non-tenure-track full time teaching faculty (anecdotally, the number of faculty in such a role continues to grow);

2. Information about the distribution of career paths of recent PhDs – what percentage of new PhDs in pure math eventually secure positions (a) in research departments, (b) as tenure track in post-secondary teaching departments, and (c) as full-time non-tenure-track faculty?;

3. What is the number of years typically spent as a postdoc (with research and teaching pathways tabulated separately)?

We urge the AMS and the MAA to systematically obtain and to publicize such data.

Ideas for Future Panels: We believe that a panel exploring jobs for math PhDs outside academia would be worthwhile. Indeed, we can imagine two panels, similarly to the panels for JMM 2020—one for graduate students, and one for faculty concerned with preparing their graduate students for the non-academic world. The profession would particularly benefit from panels speaking to the possibilities for graduate students in areas of mathematics that are not directly connected to industry.

Report from the AMS Fellows Selection Committee 7/12/2019

There were 121 nominations this year involving a total of 119 distinct nominees. The committee was charged with choosing between 45 and 60 of these nominees as new AMS fellows. This year's committee chose 52 new AMS fellows.

Each committee member was assigned the initial task of reading about 20 files and scoring these files, placing files into four quartiles of equal size based purely on research; committee members were also asked separate from this to score service as follows for these same batch of files that they had been assigned. Each committee member was asked to assign up to 1/3 of their files a + to indicate strong service and to assign at most one or two of their files a ++ for really extraordinary service. The goal was to provide more informative and more fair first round scores and to shift the debate over how to account for service entirely into subsequent conference call discussions.

Each file had two readers in this initial round of scoring. These preliminary research and service scores were used to place files into top, middle, and bottom groups. Subsequent discussions focused primarily on carefully ordering the middle group into small equivalence classes and then choosing a cut-off line for the recommended group of AMS fellows.

These discussions were conducted primarily through a series of conference phone calls (about 10 such calls, each lasting 1 to 2 hours). The first call focused mainly on (a) establishing standards for all of the calls through careful discussion of the full committee of a few cases, (b) discussion of all cases having received a ++, other than those also having top research scores, comparing these ++ cases with each other based on both service and research, and (c) careful discussion of the most highly interdisciplinary cases. Each subsequent call focused on a particular area of math or group of interrelated areas, discussing each middle group case in that area. The final call involved the entire committee taking up or down votes on each of 13 borderline cases, 7 of which were chosen as fellows, leading to a recommendation of 52 fellows altogether.

Finally, each committee member was assigned about 4 or 5 citations to write, generally for nominees they had strongly supported, using the proposed citations in the nominations themselves as a starting point; we hewed as closely as possible to these proposed citations, modifying them mainly to ensure a uniform style and that citations were consistent with the committee's deliberations.

Recommendations and observations:

1. It is extremely helpful when the AMS body choosing the 4 new AMS fellow selection committee members for next year's committee pays careful attention to breadth of expertise across all areas of math, addressing gaps in the research

areas covered by the 8 continuing selection committee members. Indeed the task of assigning files to readers was far easier this year than it was last year, largely due to what good choices the AMS made last year in picking new committee members to round out the committee's areas of expertise. For the upcoming year, gaps that could be useful to fill include: applied math, number theory, combinatorics, logic, and geometric topology.

2. Serving as committee chair two years in a row, I found this task far easier the second year largely due to already being familiar with all of the nominations carrying over from the prior year and with the process of being chair. It could make sense for this reason sometimes to have the same chair two years in a row.
3. Everyone agreed it was a big improvement being able to see the other committee members during conference calls this year, as a result of switching from conference phone calls to the usage of the internet teleconferencing program called zoom. The committee really appreciated AMS efforts to set this up and thinks this would be very good to continue in future years.
4. The committee strongly urges the AMS to contact nominators of unsuccessful nominations that will be considered again the next year, encouraging them to update nominations so as to keep it up-to-date with the nominee's work, pointing out to nominators that failing to do this may hinder the nominee's chances in the second and/or third year of nomination.
5. The percentage of nominations of women in math increased this year to roughly 25 percent, up from roughly 20 percent in each of the previous two years; the percentage of female selectees also increased to about 25 percent, up from roughly 15 percent in each of the past two years. The committee also was pleased to see that many of the strongest nominations of women in math this year focused primarily on research, in contrast to the past two years when there was a very heavy emphasis on service in a large fraction of the nominations of women in math, much more so than for the overall pool of nominees in past years. The increased percentage of female selectees seemed to be a natural product of the strength and depth of the pool of female nominees this year and quite possibly also the efforts to refine the selection process to increase fairness, including the effort by the AMS executive committee to choose new committee members in areas of math that would ensure wide ranging expertise within the committee, since this enabled less heavy dependence of the committee on imperfect, indirect indicators of quality such as number of citations.
6. The committee suggests pointing out on the nomination web page that the short support statements are taken very seriously and that the efforts of the three supporters of a nomination to write effective statements really can make a big difference in the chances of success for a nomination.

Patricia Hersh, Chair
AMS Fellows Selection Committee

Rodrigo Banuelos, Monica Clapp, Irene Fonseca, Patricia L. Hersh (CH), Lisa Claire Jeffrey, Julia Pevtsova, Ragni Piene, Eric M Rains, Karen E Smith, Rodolfo H. Torres, Katrin A. M Wendland, Deane Yang



The AMS Fellows Program

[Goals of the Fellows Program](#)

[I. Program](#)

[II. Initial Implementation](#)

[III. Selection Process](#)

[IV. Resignation of a Fellow](#)

[Footnotes](#)

[Appendix A: Change history](#)

This 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

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 required 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. Resignation of a Fellow

The April 2019 Council agreed that any Fellow has the right to resign and approved the following procedures in the event of such a resignation:

- Resigning a Fellowship will remove the Fellow's name from the Fellows database and from the list of Fellows posted here: <http://www.ams.org/profession/fellows-list> but not from any historical records, such as previous announcements of new classes of Fellows.
- No special indication will be made on the Fellows website of a resignation, only the removal of the name.
- A resignation is permanent. If the individual resigning Fellowship desires to become a Fellow again, they would need to be renominated and go through the usual process.

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 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]	
April 2019	Section 6.3	Procedure in the event of a Fellow's resignation was added as Item IV	Newly added Item IV
Jan 2019	Section 4.19.1, p. 15	Each nomination for the AMS Fellows program requires supporting statements from three current members of the AMS. After being identified by the nominator, those individuals are asked to confirm their support and explain in a sentence or two why they are supporting this nomination. Council approved making the field for supporting statements mandatory	Item III, E, 4 Changed the word "asked" to "required."
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 October 2019)

Year	Number of AMS Members in December of (Year)	Council target	Total nominees (including hold-overs)	Selected	Number of third year nominees selected	Number of second year nominees selected	Number of first year nominees selected	Living Fellows as of October of (Year)
2012	30,422			1125	--	--	--	1121
2013	30,548	75	62	50	--	--	50	1158
2014	29,166	60	132	63	--	3	60	1211
2015	28,468	50	178	50	0	6	44	1253
2016	28,196	50-65	194	65	9	15	41	1303
2017	28,235	50-65	153	63	15	4	44	1358
2018	28,110	50-65	144	65	7	5	53	1393
2019	TBD	45-60	122	52	3	9	40	1432

Number of Fellows Nominations Considered and Selected by the Fellows Selection Committee

Total	2013		2014		2015		2016		2017		2018		2019	
	Total	62 New nominations 50 Selected in 2013	120 New nominations 60 Selected in 2014	109 New nominations 44 Selected in 2015	75 New nominations 41 Selected in 2016	69 New nominations 44 Selected in 2017	90 New nominations 53 Selected in 2018	68 New nominations 40 Selected in 2019	90 New nominations 53 Selected in 2018	19 Rolled to 2019 3 Selected in 2019	27 Rolled to 2020 27 Selected in 2020	37 Rolled to 2019 37 Selected in 2019	28 Rolled to 2020 28 Selected in 2020	28 Rolled to 2020 28 Selected in 2020
62	62	50	120	109	75	69	90	68	90	19	27	37	28	28
50	50	60	60	44	41	44	53	40	53	3	9	37	28	28
132	12	3	60	6	54	30	30	24	24	5	5	5	5	5
63	9	0	60	109	65	7	7	7	7	19	19	19	19	19
178	9	0	60	109	65	7	7	7	7	19	19	19	19	19
194	9	0	60	109	65	7	7	7	7	19	19	19	19	19
153	9	0	60	109	65	7	7	7	7	19	19	19	19	19
63	9	0	60	109	65	7	7	7	7	19	19	19	19	19
144	9	0	60	109	65	7	7	7	7	19	19	19	19	19
65	9	0	60	109	65	7	7	7	7	19	19	19	19	19
65	9	0	60	109	65	7	7	7	7	19	19	19	19	19
144	9	0	60	109	65	7	7	7	7	19	19	19	19	19
120	9	0	60	109	65	7	7	7	7	19	19	19	19	19
52	9	0	60	109	65	7	7	7	7	19	19	19	19	19
	9	0	60	109	65	7	7	7	7	19	19	19	19	19
	9	0	60	109	65	7	7	7	7	19	19	19	19	19
	9	0	60	109	65	7	7	7	7	19	19	19	19	19
	9	0	60	109	65	7	7	7	7	19	19	19	19	19
	9	0	60	109	65	7	7	7	7	19	19	19	19	19
	9	0	60	109	65	7	7	7	7	19	19	19	19	19
	9	0	60	109	65	7	7	7	7	19	19	19	19	19
**10/22/2019														

***10/22/2019 small variances are due to additional nominations for the same person.*

Carla D. Savage, Professor
Secretary, American Mathematical Society
Department of Computer Science
North Carolina State University
Raleigh, NC 27695-8206

Forwarded Conversation

Subject: AAAS Coalition on Human Rights policy change

From: Ilya Kapovich <ik535@hunter.cuny.edu>
Date: Sun, Sep 29, 2019 at 4:18 PM
To: Carla Savage <savage@ncsu.edu>, Catherine A. Roberts <cnr@ams.org>
Cc: Arthur E. OGUS <ogus@berkeley.edu>, Karen Saxe <kxs@ams.org>, AMS Committee <amshumanright@lists.wisc.edu>

Dear Carla and Catherine,

We would like to bring to your attention a policy change that was adopted at the September 26, 2019 meeting of the AAAS Science and Human Rights Coalition Council, and to request that the AMS leadership consider appropriate follow-up action.

From its creation in 2009 until now, the AAAS Science and Human Rights Coalition itself was not allowed to make any public statements in the name of the Coalition as such; only the constituent societies could issue specific statements on human rights matters.

At the September 26 Coalition Council meeting that policy was changed and a new policy was adopted, see the attached pdf file. The new policy allows the Coalition to issue, in exceptional circumstances, public statements in the name of the AAAS Coalition of Science and Human Rights, subject to the specific procedure described in the new policy. Any constituent society can propose such a statement. This step is followed by a period of consultation involving the AAAS leadership and the Coalition Council; a statement must be approved by the AAAS executive leadership in order to be considered further.

If such an approval is granted, there follows a "ratification process" of sorts by the constituent societies, after their Executive Directors are notified by the AAAS about a proposed statement. Each constituent society would need to decide, using its own procedures, whether or not to sign on to a statement in the name of the Coalition. If more than 67% of the constituent societies agree to sign on (that is, currently, at least 17 of the 24 member societies), the statement in the name of the Coalition is released to the public. Such a statement will include some standard language (see item F in the attached document), followed by the list of the member societies that have decided to sign on to the statement.

We were told that the member societies will need to decide quickly, perhaps within a week or so, whether or not to sign on to a specific statement. It is also expected that this entire procedure will be utilized rarely, especially given the complicated process involved.

We would like to ask that the AMS leadership now consider and adopt a specific process by which the AMS could sign on to public statements in the name of the AAAS Science and Human Rights Coalition. Although we are not sure what exactly is allowed by the AMS bylaws here, some of the practicable mechanisms for approving signing on to specific Coalition statements include the following options:

- 1) Giving the AMS President the authority to approve the AMS signing on to a statement in the name of AAAS Science and Human Rights Coalition.
- 2) Having the AMS Council, presumably through an e-mail discussion and vote, approve the AMS signing on to a statement in the name of AAAS Science and Human Rights Coalition.
- 3) Giving the AMS Committee on Human Rights of Mathematicians the authority to approve the AMS signing on to a statement in the name of AAAS Science and Human Rights Coalition.
- 4) Perhaps a combination of some of the above options; and maybe something else that we have not thought of.

Thank you very much,

Arthur Ogus and Ilya Kapovich, AMS representatives to the AAAS Science and Human Rights Coalition Council

Ilya Kapovich
Professor

Department of Mathematics and Statistics
Hunter College
Room 919/944 East
[695 Park Ave](#)
New York, NY 10065

ik535@hunter.cuny.edu
212-772-5303

<http://math.hunter.cuny.edu/~ilyakapo/>

Adopted at the Coalition Council meeting on 09/26/2019

AAAS Science and Human Rights Coalition
Adoption of Public Statements by the Coalition
PROPOSED Policy

Purpose: The purpose of this policy is to articulate clear and transparent guidelines for when and how the AAAS Science and Human Rights Coalition may develop and adopt a public statement.

Background: At the launch of the Coalition in 2009 a decision was made by the Coalition Council that the Coalition, as such, would not adopt public statements. At the time it was generally believed that among Coalition member organizations there was a gap in understanding and comfort about human rights and public engagement in human rights concerns. While all organizations recognized the relevance of science and scientists to human rights, the extent to which organizations had engaged publicly on the topic varied greatly. To allow for public statements to be made that might be associated with particular organizations, it was feared, might dissuade some organizations from joining the Coalition.

In the ten years that have transpired since the launch of the Coalition, almost all member organizations have published letters, adopted statements, signed-on to common appeals and in other ways publicly articulated and demonstrated their commitment to human rights. This activity reflects a gradual coalescence in members' knowledge and understanding, as well as a shared increase and expansion in commitment to engaging publicly on human rights questions of relevance to the organizations and their membership. Several members of the current Council have thus requested revisiting the original decision regarding the making of public statements. This proposed policy was developed in response to those requests.

Proposed Policy

- A. For a policy statement, letter or other written public communication regarding U.S. or international policy (excluding Coalition publications) ("public statement") to be issued in the name of the Coalition, it should further the mission and goals of the Coalition as articulated in the Foundational Documents. Specifically, it should concern one or more of the following:
1. the human rights of an individual or community, or a general issue of human rights concern to which the knowledge of the Coalition's multiple disciplines could be usefully brought;
 2. the practice and/or application of science, technology, engineering and/or health as it impacts human rights;
 3. a violation or violations of human rights of scientists, engineers and/or health professionals;
 4. the right to enjoy the benefits of scientific progress and its applications, as defined in the work of the Coalition.
- B. On exceptional occasions, a matter of significant moral gravity may arise that does not fit within one of the four categories described above, but which concerns human rights and on which the Coalition determines it is the social responsibility of the network to make a statement.

- C. A statement issued in the name of the Coalition may be drafted by any member organization or organizations of the Coalition, in consultation with the Secretariat. The Secretariat will provide the draft statement to the Coalition Council for review, with the time for input dependent on the urgency of the issue being addressed and any specific deadlines for input that need to be met. At the same time, the Secretariat will also share a draft of the statement with the Coalition Steering Committee for input on the same deadline as the Council.
- D. At the same time as seeking input from the Coalition Council and Steering Committee, the Secretariat will share the draft statement with the AAAS executive leadership. A statement that is not agreed to by the AAAS executive leadership cannot be issued in the name of the Coalition.
- E. The Secretariat will be responsible for incorporating into the draft statement any input received. The Secretariat will disseminate the final statement to the Executive Directors of member organizations inviting their sign-on to the statement. The names of organizations that agree to sign-on to the statement will be listed in the statement. Only statements that are signed-on to by over 67% of member organizations will be adopted as Coalition statements (with the exception of the circumstances described in B above which require unanimous approval among all member organizations).
- F. All statements will include the following language: *The AAAS Science and Human Rights Coalition is a network of scientific, engineering and health societies, academies, and other formal networks of scientists, engineers and health professionals. The Coalition is devoted to facilitating communication and partnerships on human rights within and across scientific communities, and between these and human rights communities. The Coalition strives to improve human rights practitioners' access to scientific and technological information and knowledge and to engage scientists, engineers and health professionals in human rights issues, particularly those issues that involve scientists and engineers and the conduct of science. The Coalition's work is grounded in the principles and laws set forth in the International Bill of Human Rights and all other relevant international human rights treaties and norms. The views expressed in this statement do not necessarily reflect the views of all members of the AAAS Science and Human Rights Coalition.*
- G. The Coalition Secretariat and member organizations that sign-on to a statement will coordinate communication and outreach about the statement once it is made public.

Executive Director Report to the AMS Council January 14, 2020

In May 2019, my report to Council described several changes on the horizon for our Society. On this theme of change, today, on top of the usual election results and regular reappointments, this Council will consider appointment recommendations for a new Secretary, a new Treasurer, and new managing editors for a couple of our primary journals. On staff, due to the passing of a long-time employee, we have welcomed a new Director of Sales and Marketing. Retirements led to the hiring of five staff mathematicians – 4 Math Reviews editors plus a Director of Education. All since we last met. And this wave of retirements will continue. For example, our Development Director Robin Marek will be leaving the AMS this spring. Hopefully, these transitions won't be too bumpy! All of this talent, both in governance and on staff, is something I greatly appreciate. The AMS could not accomplish all that we do without this valuable collaboration. Together, we ensure the AMS advances research and creates connections for our community, and I remain both proud and humbled to be your Executive Director.

Strategic Plan The implementation of the AMS Strategic Plan has now entered its fifth and final year. This year, we will look both forward and backward. Planning for the 2022 debut of the Reimagined JMM, when we assume full responsibility for its management, will, of course, be a major focus. We will be supporting the work of new committees such as the Prize Oversight Committee, and executing any fresh initiatives for Equity, Diversity, and Inclusion. Advancing plans for a new AMS journal (pending Governance approval) may be another principal effort. Our new Membership, Communication, and Education departments are full steam ahead on several initiatives. Our DC-based Office of Government Relations, which now contains the AMS Department of Education, will be moving in just a few weeks to new office space in the Eastern market area, within walking distance to Capitol Hill. Our new building has conference facilities so will be able to host policy committee meetings, and maybe even an occasional Council or ECBT meeting.

We have strengthened our Society by focusing our strategic planning on activities in the areas of diversity and inclusion; advocacy, awareness, and visibility; membership development; portfolio coherence; and research and publishing. Several projects are complete, such as the MAA Press acquisition, while others have become ongoing activities like our AMS Student Chapter program. Still others have informed future program approaches, such as the NextGen campaign.

Many of you generously supported the AMS Campaign for the Next Generation, which reached its \$3 million goal a few months ago. Your leadership gifts were instrumental in establishing this new endowment. The Next Generation Fund will provide small yet impactful financial support to early-career mathematicians – starting with travel grants to AMS conferences. Thank you so much for joining together to help us support future generations of research mathematicians.

Publishing Academic research publishing is moving quickly towards openness, which unquestionably enhances our mission to advance research. On the other hand, about 65% of AMS revenue comes from our publishing program – from library subscriptions to our journals and MathSciNet, as well as from book sales. Without such revenue, we could not maintain

**Executive Director Report to the AMS Council
January 2020**

many of our activities and programs. Given the complexity of this move towards openness, I'd like to say a few more words.

Mathematical Reviews is a treasure for mathematicians. What does the future hold for MathSciNet? Recently, it's been announced that zbMATH will become open access in 2021. This is part of the overall German and European approach to open access. While there's no need for the AMS to panic, we do need to take stock of MathSciNet and what we could do to preserve its presence. If zbMATH was going to go public, from my perspective, now is a good time for them to have done it. We have gone through a strategic planning exercise for MathSciNet. We have plans in place for continuing to modernize, both in terms of the product itself and our operations in Ann Arbor. AMS Council's April discussion topic will be long-range planning for MathSciNet. This will be a challenge, but we are prepared to meet the challenge.

What does the future hold for our journals? We established Open Access versions of TRANS and JAMS for authors who either desire -- or are required by funders -- to publish in this way. Already, any federally-funded papers the AMS publishes are open within 12 months. What happens if this one-year buffer granted by the US government is reduced, or evaporates altogether? This would impact policies and revenue at the AMS.

These are very difficult questions with no clear answers. We are fortunate at the AMS to have deep expertise on our professional staff who are participating in a range of conversations at both national and international levels. We are also fortunate to have deeply committed leaders in governance willing to dedicate their time and expertise to thoughtfully move our Society forward.

Working together, I believe we can craft a careful and balanced approach that does not diminish our ability to serve our community of mathematicians. I am confident we have the talent and expertise to take on these challenges. I anticipate that my future reports to you will continue to describe change, change, and more change -- that is both inevitable and that can offer us many new opportunities.

As an ambassador for our society, I hope you are able to stay through Saturday night, when our AMS closing social will be held at the Denver Performing Arts Center. All the entertainment will be by mathematicians! Live music by Ami Radunskaya (Cellist), Kim Ayers (Cellist), David Kung (Violinist), Ezra Buchla (Violinist), as well as performances by aerial acrobats Lola Thompson and Colleen Agozzino.

*Catherine A. Roberts
Executive Director
January 14, 2020*



2019 Election

Survey & Ballot Systems
7653 Anagram Drive
Eden Prairie, MN 55344-7311
800-974-8099
surveyandballotsystems.com





November 4, 2019

Carla Savage
NCSU, Department of Computer Science
890 Oval Drive
Raleigh, NC 27606

Dear Ms. Savage:

As the election contractor, we are pleased to provide you with the official tabulation for the 2019 Election from ballots qualified in accordance with the election specifications, as approved by the American Mathematical Society.

The following reports are tabulated from ballots received on or before November 1, 2019. These certified results account for 3,358 ballots cast from 27,132 eligible members, yielding a participation rate of 12.38%.

Also provided are supporting reports, including a Write-In, a Voters by Member Type, a DirectVote® Rating and a DirectVote® Comments Report.

We greatly appreciate the opportunity to serve the American Mathematical Society with election services and wish you great success in the coming year. If you have any questions regarding the enclosed information, please do not hesitate to call me at (800) 974-8099, Ext. 314.

Sincerely,

Melissa Fiala
Quality Assurance Specialist

Enclosure(s)

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2019 ELECTION

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SUMMARY



AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION

Eligible Voters:	27,132
Paper Ballots:	127
Web Ballots:	3,231
Duplicate Web/Paper Ballots:	0
Final Web Ballots:	3,231
Total Returns:	3,358
Percent Returned:	12.38%

Certified by Survey & Ballot Systems

11/4/2019

Melissa Fiala

Date

Quality Assurance Specialist

11/4/2019

Notary Public

Date

RESULTS



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

President

Vote for: 1	Votes	Percent	
Ruth Charney	1,614	51.1%	DECISION
Dusa McDuff	1,533	48.5%	
Write-in (other than above)	12	0.4%	
	Total Valid Ballots:	3,159	
	Total Unexercised:	199	
	Total Invalid:	0	
	Total Ballots Cast:	3,358	

Vice President (3 Years)

Vote for: 1	Votes	Percent	
Francis Su	1,817	59.0%	DECISION
Fan Chung Graham	1,253	40.7%	
Write-in (other than above)	10	0.3%	
	Total Valid Ballots:	3,080	
	Total Unexercised:	278	
	Total Invalid:	0	
	Total Ballots Cast:	3,358	

RESULTS



AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION

Board of Trustees (5 Years)

Vote for: 1	Votes	Percent	
Joseph H. Silverman	1,942	66.1%	DECISION
Solomon Friedberg	987	33.6%	
Write-in (other than above)	10	0.3%	

Total Valid Ballots:	2,939
Total Unexercised:	419
Total Invalid:	0
Total Ballots Cast:	3,358

RESULTS



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

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

Vote for: 5	Votes	Percent	
Helen Moore	1,493	49.0%	DECISION
Bianca Viray	1,344	44.1%	DECISION
Dylan P. Thurston	1,332	43.7%	DECISION
Rosa C. Orellana	1,291	42.3%	DECISION
Stephan Ramon Garcia	1,214	39.8%	DECISION
Maggy Tomova	1,208	39.6%	
Dan Margalit	1,197	39.2%	
Terrence Richard Blackman	1,114	36.5%	
Guoliang Yu	1,011	33.1%	
Seth Sullivant	937	30.7%	
Write-in (other than above)	16	0.5%	
Write-in (other than above)	4	0.1%	
Write-in (other than above)	3	0.1%	
Write-in (other than above)	2	0.1%	
Write-in (other than above)	0	0.0%	

Total Valid Ballots:	3,050
Total Unexercised:	307
Total Invalid:	1
Total Ballots Cast:	3,358

RESULTS



AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION

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

Vote for: 6	Votes	Percent	
Tatiana Toro	1,705	58.4%	DECISION
Kristin E. Lauter	1,642	56.3%	DECISION
Talithia Williams	1,514	51.9%	DECISION
Malabika Pramanik	1,289	44.2%	
Robert Pego	1,206	41.3%	
Prasad Tetali	1,170	40.1%	
	Total Valid Ballots:	2,918	
	Total Unexercised:	440	
	Total Invalid:	0	
	Total Ballots Cast:	3,358	

RESULTS



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

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

Vote for: 4	Votes	Percent	
Charles L. Epstein	1,577	58.0%	DECISION
Tamar Ziegler	1,506	55.4%	DECISION
Kavita Ramanan	1,451	53.4%	
Rodolfo H. Torres	1,192	43.9%	
	Total Valid Ballots:	2,718	
	Total Unexercised:	640	
	Total Invalid:	0	
	Total Ballots Cast:	3,358	

Bylaws Amendment

Vote for: 1	Votes	Percent	
Yes	2,342	86.7%	DECISION
No	359	13.3%	
	Total Valid Ballots:	2,701	
	Total Unexercised:	657	
	Total Invalid:	0	
	Total Ballots Cast:	3,358	

WRITE-IN



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

President	
Al Kovacs	1
Alice Chang	1
Carla Savage	1
Dima Burago	1
Dylan Thurston	1
It sucks that there are ONLY women to choose from	1
Mickey Mouse	1
Peter Constantin	1
Rugang Ye	1
Terence Tao	1
TOM WINEINGER	1
Yu, Guoliang	1

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

WRITE-IN



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

Vice President (3 Years)	
Al Kovacs	1
Carla Savage	1
D.C. WILSON	1
Dima Burago	1
George Andrews	1
Maria Carme Calderer	1
No to this new communism!	1
Rodolfo H. Torres	1
Ruth Charney	1
TOM WINEINGER	1

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

WRITE-IN



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

Board of Trustees (5 Years)	
Abby Thompson	1
Bryan Clair	1
Carla Savage	1
D.C. WILSON	1
decolonize mathematics	1
Denis Labutin	1
Donald Trump	1
Hornng-Tzer Yau	1
Su Gao	1
TOM WINEINGER	1

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

WRITE-IN



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

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

Alexander Powel	1
Andrea Nahmod	1
Bagel Boss	1
Blaine Lawson	1
Brad Osgood	1
Carla Savage	1
Christopher Heil	1
David Mumford	1
Dima Burago	1
Donald Trump	1
Garret Sobczyk	1
Guillaume Bal	1
Hector Cenicaris	1
Hornng-Tzer Yau	1
Jeffrey Brock	1
Juan Batista	1
Michael Kinyon	1
Patrick Allen	1

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

WRITE-IN



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

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

paulkevinandersonberkeley.edu first contact math,	1
Radu Balan	1
Robert MacPherson	1
Scot Chapman	1
Thomas Scanlon	1
TOM WINEINGER	1
Xuelong Li	1

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

VOTERS BY MEMBER TYPE



AMERICAN MATHEMATICAL SOCIETY 2019 ELECTION

Member Type	Total Members	Paper Ballots	Web Ballots	Total Ballots	% Received
AFFIL-BULL	671	0	126	126	3.8%
AFFIL-NOTI	1,148	1	212	213	6.3%
CONT	31	4	5	9	0.3%
EMER	2,722	41	332	373	11.1%
FAM-P-H	28	0	14	14	0.4%
FAM-P-L	15	0	6	6	0.2%
FAM-S-H	14	0	4	4	0.1%
FAM-S-L	33	0	10	10	0.3%
GRADST	184	0	7	7	0.2%
INTERIM	18	0	1	1	0.0%
INTRO	1,975	8	285	293	8.7%
LIFE	1,658	19	462	481	14.3%
NOM	275	1	40	41	1.2%
NOM-G	11,478	0	218	218	6.5%
NOM-S	305	0	17	17	0.5%
RECIP	1,329	1	272	273	8.1%
RECIP-H	15	0	5	5	0.1%
RECIP-L	16	0	5	5	0.1%
REG-H	1,694	14	545	559	16.6%
REG-L	2,396	14	528	542	16.1%
RET	838	22	120	142	4.2%
STUDENT	179	0	10	10	0.3%

VOTERS BY MEMBER TYPE



**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

Member Type	Total Members	Paper Ballots	Web Ballots	Total Ballots	% Received
UNEM	110	2	7	9	0.3%
Totals	27,132	127	3,231	3,358	100%

DIRECTVOTE® RATING

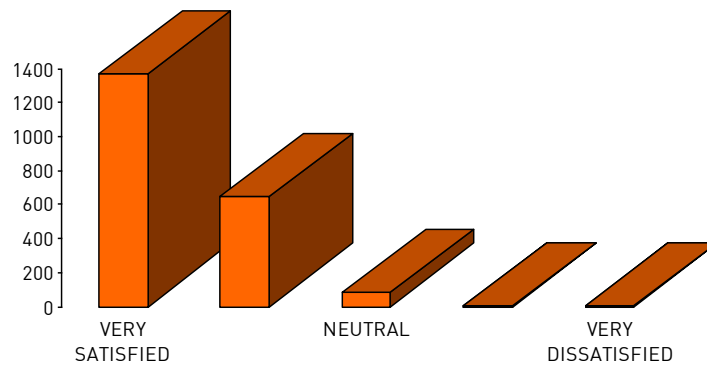


**AMERICAN MATHEMATICAL SOCIETY
2019 ELECTION**

Rating	Count	Percent	Count	Percent
VERY SATISFIED	1,371	42.4%	1,371	64.8%
SATISFIED	648	20.1%	648	30.6%
NEUTRAL	83	2.6%	83	3.9%
DISSATISFIED	6	0.2%	6	0.3%
VERY DISSATISFIED	7	0.2%	7	0.3%
NO COMMENT	1,116	34.5%		
TOTAL	3,231	100.0%	2,115	100.0%

Cumulative Breakdown:

(Less "No Comment")	Count	Percent
Very Satisfied or Satisfied	2,019	95.5%
Dissatisfied or Very Dissatisfied	13	0.6%



EXCERPT FROM AMS STRATEGIC PLAN 2016-2020

Strategic Initiative: Publishing

B. Publish More Mathematics Content

A continuing trend may be seen in the increase in publication output of books and journals from all academic publishers, including the AMS, of approximately 3-4% per annum. The Society will expand its output of high quality books and journals and increase its market share. The AMS publishing program will build on its existing areas of strengths and expand into new interdisciplinary areas that reflect the changing landscape of research mathematics, the broad applications of mathematics in multiple fields, and the evolving interests of AMS members. The Society will also publish more educational content, reflecting an increased emphasis on mathematics education both within the mathematical community and the wider public.

The Society will enhance its reach to global markets, with a particular focus on China and India, to capitalize on both the expansion of research output and the growth in demand for mathematical publications worldwide.

The society will increase its marketing and sales efforts, and enhance the brand of its publishing products in line with branding initiatives across the AMS.

2018 Bulletin Chief Editor Search

The Bulletin of the AMS is a highly cited mathematical journal that publishes around 12 expository articles as well as several book reviews per year. It appears quarterly and publishes roughly 700 pages per year.

Susan Friedlander is serving in her fifth term as Chief Editor of the Bulletin. She started on July 2, 2005 when the previous Chief Editor stepped down unexpectedly. She was reappointed in 2009, 2012, 2015, and 2018; her current term expires on January 31, 2021. In January 2017, Friedlander informed the search committee that her fifth term would be her last. The Council reappointed her to a fifth term and requested that a recommendation for Bulletin Chief Editor be brought to the January 2019 Council and that the Chief Editor Designate be appointed as an Associate Editor for two years before taking office as Chief Editor. However, in February 2018, Friedlander wrote to the Executive Director:

Thinking about this again today, I realize that I am fortunate to continue to be full of energy and enthusiasm for my professional activities and not slowing down or planning to retire. I care deeply about the Bulletin and enjoy working to ensure that it is the best venue for mathematical survey articles in the world. So if the AMS would like to consider reappointing me beyond the end of this term, I am very happy to be considered.

A committee composed of Executive Director Roberts (chair), Secretary Savage, President Ribet, Council Member Richard M. Schoen, and Council Member Gigliola Staffilani was established. The committee considered the following documents:

- Friedlander's curriculum vita
- Friedlander's statement describing her qualifications for the position, her current plans for the Bulletin, as well as her goals for a possible sixth term
- Fifteen anonymous comments solicited from members of the Bulletin editorial board
- 2017 Committee on Publication's Report of the CPUB Subcommittee on the AMS Member Journals.

After reviewing these documents, the committee concluded that Friedlander is a very successful Chief Editor for the Bulletin. She brings strong mathematical research experience and broad mathematical interests to this post, along with a commitment to communicating mathematics to a broad audience. She has excellent editorial judgment and communication skills. The CPUB report notes that the total number of citations to the Bulletin, as recorded in the Web of Science, has increased over the last decade from around 2000 per year to around 4000 per year. The number of citations in MathSciNet to newly published Bulletin articles within a 5-year window has been holding steady at about 170 citations. The CPUB report indicates that Bulletin articles are of high quality and cover a wide variety of areas of modern mathematics. Under Friedlander's leadership, the Bulletin covers have been redesigned so that each cover now alludes to some historical material that is usually related to one of the survey articles in the issue. In her written statement, Friedlander outlined plans to enhance and expand a feature she recently introduced called *Mathematical Perspectives*, where a reprinting of selected Mathematical Reviews are chosen to provide background and perspective on an expository article.

One area of concern raised by the CPUB report is that the backlog is low, usually around one issue ahead. The AMS publishing leadership recommends a backlog of two issues for a quarterly publication. Friedlander detailed many creative efforts underway to ensure a steady stream of top-quality Bulletin articles. For example, survey articles on the ground-breaking work of several famous mathematicians who have died recently (Voevodsky, Mirzakhani, Ratner, Morawetz) have been solicited and will appear in coming issues. Seven of the current associate editors have each chosen a Bulletin article published in the 20th century that has special personal meaning. These will be reprinted along with new commentaries provided by the associate editors. In addition, two of the reprinted articles will be accompanied by an “afterward” to describe major advances in the subject during the intervening decades since the original article appeared.

Comments from fifteen current members of the Bulletin’s editorial committee were considered by our Search Committee. These comments were overwhelmingly very positive, with accolades such as “she is easy to work with, conscientious, and 100% capable,” and “I am thankful almost every day that Susan became editor, because I think she has done a magnificent job. There is seldom an issue that does not show her imagination, considerable powers of persuasion with potential authors, and her eye for what will interest readers.”

The Search Committee is pleased with Friedlander’s willingness to extend her service as Chief Editor for a sixth term. The Committee recommends that the next Chief Editor be appointed as an Associate Editor by February 1, 2022 so as to serve concurrently with Friedlander for two years before taking over as Chief Editor.

Catherine A. Roberts
May 2018

LAST UPDATED: 03/04/2020 @ 11:35 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.

This list is maintained by staff in the Executive Director Department. Please notify exd-staff@ams.org of changes.

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
March 13-15, 2020 (Fri-Sun)	AMS Sectional Meeting The Einstein Public Lecture in Mathematics will be given by Moon Duchin	University of Virginia Charlottesville, VA
March 21-22, 2020 (Sat-Sun)	AMS Sectional Meeting	Tufts University Medford, MA
March 20, 2020 (Fri)	Vernal Equinox	<i>AMS MI Office Closed</i>
March 27, 2020 (Fri)	AMS Secretariat Meeting	Detroit, MI
March 28, 2020 (Sat)	AMS Committee on Meetings & Conferences (COMC) Meeting	Detroit, MI
April 4-5, 2020 (Sat-Sun)	AMS Sectional Meeting	Purdue University West Lafayette, IN
April 8, 2020 (Wed)	Agenda and Budget Committee (ABC) Meeting	Web Conference
April 8-16, 2020 (Wed-Thu)	Passover	---
April 10, 2020 (Fri)	Good Friday	---
April 11, 2020 (Sat)	Holy Saturday	---
April 12, 2020 (Sun)	Easter	---
April 21-22, 2020 (Tue-Wed)	AMS Committee on Science Policy (CSP) Meeting	Washington, DC
April 25, 2020 (Sat)	AMS Council Meeting	Detroit, MI
April 30, 2020 (Thu)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 1, 2020 (Fri)	Conference Board of the Mathematical Sciences (CBMS) Meeting	TBD
May 2-3, 2020 (Sat-Sun)	AMS Sectional Meeting	California State University Fresno, CA
May 14, 2020 (Thu)	AMS Committee on Committees Meeting	Ann Arbor, MI
May 15-16, 2020 (Fri-Sat)	AMS Executive Committee and Board of Trustees (ECBT) Meeting	Ann Arbor, MI
May 25, 2020 (Mon)	Memorial Day	<i>All AMS Offices Closed</i>
July 3, 2020	Independence Day Observed	<i>All AMS Offices Closed</i>
July 4, 2020 (Sat)	Independence Day	---
July 5-11, 2020 (Sun-Sat)	European Congress of Mathematicians (8ECM)	Portoroz, Slovenia

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
July 6-10, 2020 (Mon-Fri)	Society for Industrial and Applied Mathematics (SIAM) Annual Meeting (joint with Canadian Applied and Industrial Mathematics Society [CAIMS])	Toronto, Ontario, Canada
July 12-19, 2020 (Sun-Sun)	International Congress on Mathematical Education (ICME-14)	Shanghai, China
July 21-23, 2020 (Tue-Thu)	Council of Engineering and Scientific Society Executives Annual Meeting (ACCESSE20)	Detroit, MI
July 29-August 1, 2020 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Philadelphia, PA
August 1-6, 2020 (Sat-Thu)	Joint Statistical Meetings (JSM)	Philadelphia, PA
August 10, 2020 (Mon)	Victory Day	AMS RI Office Closed
September 7, 2020 (Mon)	Labor Day	All AMS Offices Closed
September 12-13, 2020 (Sat-Sun)	AMS Sectional Meeting	University of Texas El Paso, TX
September 18-20, 2020 (Fri-Sun)	Rosh Hashanah	---
September 27-28, 2020 (Sun-Mon)	Yom Kippur	---
October 2-9, 2020 (Fri-Fri)	Sukkot	---
October 3-4, 2020 (Sat-Sun)	AMS Sectional Meeting	Pennsylvania State University State College, PA
October 9, 2020 (Fri)	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 10-11, 2020 (Sat-Sun)	AMS Sectional Meeting	University of Tennessee Chattanooga, TN
October 12, 2020 (Mon)	Indigenous Peoples' Day	All AMS Offices Closed
October 16-17, 2020 (Fri-Sat)	AMS Committee on Publications (CPub) Meeting	Detroit, MI
October 17-18, 2020 (Sat-Sun)	AMS Committee on the Profession (CoProf) Meeting	Detroit, MI
October 19, 2020 (Mon) TENTATIVE	Mathematical Reviews Editorial Committee (MREC) Meeting	Detroit, MI
October 22-24, 2020 (Thurs-Sat)	AMS Committee on Education (COE) Meeting (includes Mini-conference on Education on Fri, Oct 23)	Washington, DC
October 22-24, 2020 (Thu-Sat)	Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Annual Meeting	Long Beach, CA
October 24-25, 2020 (Sat-Sun)	AMS Sectional Meeting (The Erdős Memorial Lecture will be given by Andrei Okounkov)	University of Utah Salt Lake City, UT
October 26, 2020 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Web Conference

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
November 6-8, 2020 (Fri-Sun)	2020 Field of Dreams Conference	Minneapolis, MN
November 11, 2020 (Wed)	Veterans' Day	All AMS Offices Closed
November 20-21, 2020 (Fri-Sat)	AMS Executive Committee and Board of Trustees (ECBT) Meeting	Providence, RI
November 26, 2020 (Thu)	Thanksgiving Day	All AMS Offices Closed
November 27, 2020 (Fri)	Day after Thanksgiving	All AMS Offices Closed
December 4, 2020 (Fri)	Conference Board of the Mathematical Sciences (CBMS) Meeting	TBD
December 10-18, 2020 (Thu-Fri)	Hanukkah	---
December 24, 2020 (Thu)	Christmas Eve	---
December 25, 2020 (Fri)	Christmas	All AMS Offices Closed
December 28, 2020 (Mon)	First Business Day After Christmas	AMS DC Office Closed
January 1, 2021 (Fri)	New Year's Day	All AMS Offices Closed
January 5, 2021 (Tue)	AMS Council Meeting	Washington, DC
January 6-9, 2021 (Wed-Sat)	Joint Mathematics Meetings (JMM)	Washington, DC
January 18, 2021 (Mon)	Martin Luther King, Jr. Day	All AMS Offices Closed
January 20, 2021 (Wed)	US Presidential Inauguration Day	AMS DC Office Closed
February 11-14, 2021 (Thu-Sun)	American Association for the Advancement of Science (AAAS) Annual Meeting	Phoenix, AZ
February 15, 2021 (Mon)	Presidents' Day	All AMS Offices Closed
March 5, 2021 (Fri) TENTATIVE	AMS Secretariat Meeting	Providence, RI
March 6, 2021 (Sat) TENTATIVE	AMS Committee on Meetings & Conferences (COMC) Meeting	Providence, RI
March 13-14, 2021 (Sat-Sun)	AMS Sectional Meeting	Georgia Institute of Technology Atlanta, GA
March 20-21, 2021 (Sat-Sun)	AMS Sectional Meeting	Brown University Providence, RI
March 27-April 4, 2021 (Sat-Sun)	Passover	---
April 1-4, 2021 (Thu-Sun)	Passover (last four days)	---
April 2, 2021 (Fri)	Good Friday	---
April 3, 2021 (Sat)	Holy Saturday	---
April 4, 2021 (Sun)	Easter	---
April 9, 2021 (Fri) TENTATIVE	Agenda and Budget Committee (ABC) Meeting	Web Conference
April 17-18, 2021 (Sat-Sun)	AMS Sectional Meeting	University of Cincinnati, Cincinnati, OH
April 17-18, 2021 (Sat-Sun)	National Math Festival	Washington, DC
April 24, 2021 (Sat) TENTATIVE	AMS Council Meeting	TBD

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
May 1-2, 2021 (Sat-Sun)	AMS Sectional Meeting	San Francisco State University San Francisco, CA
May 6, 2021 (Thu)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 7, 2021 (Fri) TENTATIVE	Conference Board of the Mathematical Sciences (CBMS) Meeting	TBD
May 20, 2021 (Thu) TENTATIVE	AMS Committee on Committees Meeting	TBD
May 21-22, 2021 (Fri-Sat) TENTATIVE	AMS Executive Committee and Board of Trustees (ECBT) Meeting	TBD
May 31, 2021 (Mon)	Memorial Day	<i>All AMS Offices Closed</i>
July 4, 2021 (Sun)	Independence Day	---
July 5, 2021 (Mon)	Independence Day Observed	<i>All AMS Offices Closed</i>
July 5-9, 2021 (Mon-Fri)	AMS Joint International Meeting with French Mathematical Society	Université de Grenoble-Alpes Grenoble, France
July 19-23, 2021 (Mon-Fri)	Mathematical Congress of the Americas (MCA 2021) (designated as an AMS Joint International Meeting)	University of Buenos Aires Buenos Aires, Argentina
August 4-7, 2021 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Sacramento, CA
August 7-12, 2021 (Sat-Thu)	Joint Statistical Meetings (JSM)	Seattle, WA
August 9, 2021 (Mon)	Victory Day	<i>AMS RI Office Closed</i>
September 6, 2021 (Mon)	Labor Day	<i>All AMS Offices Closed</i>
September 6-8, 2021 (Mon-Wed)	Rosh Hashanah	---
September 15-16, 2021 (Wed-Thu)	Yom Kippur	---
September 18-19, 2021 (Sat-Sun)	AMS Sectional Meeting	University at Buffalo (SUNY) Buffalo, NY
September 20-27, 2021 (Mon-Mon)	Sukkot	---
October 8, 2021 (Fri) TENTATIVE	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 11, 2021 (Mon)	Indigenous Peoples' Day	<i>All AMS Offices Closed</i>
October 9-10, 2021 (Sat-Sun)	AMS Sectional Meeting	Creighton University Omaha, NE
October 23-24, 2021 (Sat-Sun)	AMS Sectional Meeting	University of New Mexico Albuquerque, NM
November 11, 2021 (Thu)	Veterans' Day	<i>All AMS Offices Closed</i>
November 19-20, 2021 (Fri-Sat) TENTATIVE	AMS Executive Committee and Board of Trustees (ECBT) Meeting	TBD

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
November 20-21, 2021 (Sat-Sun)	AMS Sectional Meeting	University of South Alabama Mobile, AL
November 25, 2021 (Thu)	Thanksgiving Day	<i>All AMS Offices Closed</i>
November 26, 2021 (Fri)	Day after Thanksgiving	<i>All AMS Offices Closed</i>
November 28 - December 6, 2021 (Sun-Mon)	Hanukkah	---
December 1-6, 2021 (Wed-Mon)	Hanukkah (last six days)	---
December 24, 2021 (Fri)	Christmas Observed/Christmas Eve	<i>All AMS Offices Closed</i>
December 25, 2021 (Sat)	Christmas	---
January 1, 2022 (Sat)	New Year's Day	---
January 4, 2022 (Tue)	AMS Council Meeting	Seattle, WA
January 5-8, 2022, (Wed-Sat)	Joint Mathematics Meetings (JMM)	Seattle, WA
January 17, 2022 (Mon)	Martin Luther King, Jr. Day	<i>All AMS Offices Closed</i>
February 17-20, 2022 (Thu-Sun)	American Association for the Advancement of Science (AAAS) Annual Meeting	Philadelphia, PA
February 21, 2022 (Mon)	Presidents' Day	<i>All AMS Offices Closed</i>
April 8, 2022 (Fri) TENTATIVE	Agenda and Budget Committee (ABC) Meeting	Web Conference
April 15-23, 2022 (Fri-Sat)	Passover	---
April 15, 2022 (Fri)	Good Friday	---
April 16, 2022 (Sat)	Holy Saturday	---
April 17, 2022 (Sun)	Easter	---
May 5, 2022 (Thu)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 6, 2022 (Fri) TENTATIVE	Conference Board of the Mathematical Sciences (CBMS) Meeting	Washington, DC
May 14-15, 2022 (Sat-Sun) TENTATIVE	AMS Sectional Meeting	University of Denver Denver, CO
May 19, 2022 (Thu) TENTATIVE	AMS Committee on Committees Meeting	TBD
May 20-21, 2022 (Fri-Sat) TENTATIVE	AMS Executive Committee and Board of Trustees (ECBT) Meeting	TBD
May 30, 2022 (Mon)	Memorial Day	<i>All AMS Offices Closed</i>
July 4, 2022 (Mon)	Independence Day	<i>All AMS Offices Closed</i>
August 3-6, 2022 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Washington, DC
August 6-11, 2022 (Sat-Thu)	Joint Statistical Meetings (JSM)	Washington, DC
August 8, 2022 (Mon)	Victory Day	<i>AMS RI Office Closed</i>
August 12-13, 2022 (Fri-Sat)	International Mathematical Union (IMU) General Assembly	St. Petersburg, Russia
DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE

August 15-23, 2022 (Mon-Tue)	International Congress of Mathematicians (ICM 2022)	St. Petersburg, Russia
September 5, 2022 (Mon)	Labor Day	All AMS Offices Closed
September 25-27, 2022 (Sun-Tue)	Rosh Hashanah	---
October 1-2, 2022 (Sat-Sun) TENTATIVE	AMS Sectional Meeting	Eastern Section
October 4-5, 2022 (Tue-Wed)	Yom Kippur	---
October 7, 2022 (Fri) TENTATIVE	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 9-16, 2022 (Sun-Sun)	Sukkot	---
October 10, 2022 (Mon)	Indigenous Peoples' Day	All AMS Offices Closed
November 11, 2022 (Fri)	Veterans' Day	All AMS Offices Closed
November 18-19, 2022 (Fri-Sat) TENTATIVE	AMS Executive Committee and Board of Trustees (ECBT) Meeting	TBD
November 24, 2022 (Thu)	Thanksgiving Day	All AMS Offices Closed
November 25, 2022 (Fri)	Day after Thanksgiving	All AMS Offices Closed
December 17-26, 2022 (Sun-Mon)	Hanukkah	---
December 24, 2022 (Sat)	Christmas Eve	---
December 25, 2022 (Sun)	Christmas	---
December 26, 2022 (Mon)	Christmas Observed	All AMS Offices Closed
January 1, 2023 (Sun)	New Year's Day	---
January 2, 2023 (Mon)	New Year's Day Observed	All AMS Offices Closed
January 3, 2023 (Tue)	AMS Council Meeting	Boston, MA
January 4-7, 2023 (Wed-Sat)	Joint Mathematics Meetings (JMM)	Boston, MA
January 16, 2023 (Mon)	Martin Luther King, Jr. Day	All AMS Offices Closed
February 20, 2023 (Mon)	Presidents' Day	All AMS Offices Closed
March 20, 2023 (Mon)	Vernal Equinox	AMS MI Office Closed
April 5-13, 2023 (Wed-Thu)	Passover	---
April 7, 2023 (Fri)	Good Friday	---
April 8, 2023 (Sat)	Holy Saturday	---
April 9, 2023 (Sun)	Easter	---
April 14, 2023 (Fri) TENTATIVE	Agenda and Budget Committee (ABC) Meeting	Web Conference
May 4, 2023 (Thu) TENTATIVE	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 5, 2023 (Fri) TENTATIVE	Conference Board of the Mathematical Sciences (CBMS) Meeting	Washington, DC
May 18, 2023 (Thu) TENTATIVE	AMS Committee on Committees Meeting	TBD
DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE

May 19-20, 2023 (Fri-Sat) TENTATIVE	AMS Executive Committee and Board of Trustees (ECBT) Meeting	TBD
May 29, 2023 (Mon)	Memorial Day	All AMS Offices Closed
July 4, 2023 (Tue)	Independence Day	All AMS Offices Closed
August 2-5, 2023 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Tampa, FL
August 5-10, 2023 (Sat-Thu)	Joint Statistical Meetings (JSM)	Toronto, Ontario, Canada
August 14, 2023 (Mon)	Victory Day	AMS RI Office Closed
August 20-25, 2023 (Sun-Fri)	International Congress on Industrial and Applied Mathematics (ICIAM)	Tokyo, Japan
September 4, 2023 (Mon)	Labor Day	All AMS Offices Closed
September 15-17, 2023 (Fri-Sun)	Rosh Hashanah	---
September 24-25, 2023 (Sun-Mon)	Yom Kippur	---
September 29-October 1, 2023 (Fri-Sun)	Sukkot	---
October 1, 2023 (Sun)	Last day of Sukkot	---
October 6, 2023 (Fri) TENTATIVE	Agenda and Budget Committee (ABC) Meeting	Web Conference
October 9, 2023 (Mon)	Indigenous Peoples' Day	All AMS Offices Closed
October 30, 2023 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Web Conference
November 10, 2023 (Fri)	Veterans' Day Observed	All AMS Offices Closed
November 11, 2023 (Sat)	Veterans' Day	---
November 17-18, 2023 (Fri-Sat) TENTATIVE	AMS Executive Committee and Board of Trustees (ECBT) Meeting	TBD
November 23, 2023 (Thu)	Thanksgiving Day	All AMS Offices Closed
November 24, 2023 (Fri)	Day after Thanksgiving	All AMS Offices Closed
December 4-8, 2023 (Mon-Fri)	AMS Joint International Meeting with New Zealand Mathematical Society and Australian Mathematical Society	Auckland, New Zealand
December 7-15, 2023 (Thu-Fri)	Hanukkah	---
December 24, 2023 (Sun)	Christmas Eve	---
December 25, 2023 (Mon)	Christmas	All AMS Offices Closed

