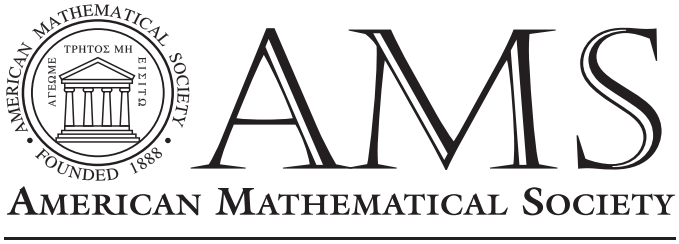


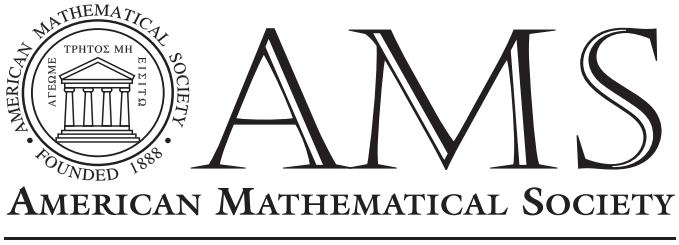
www.ams.org

American Mathematical Society

COUNCIL MINUTES

Seattle, Washington

05 January 2016 at 1:30 p.m.



www.ams.org

American Mathematical Society

COUNCIL MINUTES

Seattle, Washington

05 January 2016 at 1:30 p.m.

Prepared February 16, 2016
Revised April 4, 2016

The Council of the Society met at 1:40 p.m. (PST) on Tuesday, 05 January 2016, in the Metropolitan Ballroom A at the Sheraton Seattle Hotel, 1400 Sixth Avenue, Seattle, WA, 98101. There was a refreshment break at 3:45 p.m. and a Council dinner at 6:30 p.m.

These are the minutes of the meeting. Although several items were discussed in Executive Session, all actions taken are reported in these minutes.

Conflict of Interest Policy for Officers and Committee Members

(as approved by the January 2007 Council)

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

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

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

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

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

AMS Policy on a Welcoming Environment

(as approved by the January 2015 Council)

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

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

The AMS will make every effort to maintain an environment that is free of harassment, even though it does not control the behavior of third parties. A commitment to a welcoming environment is expected of all attendees at AMS activities, including mathematicians, students, guests, staff, contractors and exhibitors, and participants in scientific sessions and social events. To this end, the AMS will include a statement concerning its expectations towards maintaining a welcoming environment in registration materials for all its meetings, and has put in place a mechanism for reporting violations. Violations may be reported confidentially and anonymously to 855-282-5703 or at `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/sexualharassment`.

Contents

Attachments

1 Call to Order

The meeting was called to order at 1:40 pm (PST). President Robert Bryant, who presided throughout, called on members and guests to introduce themselves. Members present in addition to Bryant were Alejandro Adem, Matthew Baker, Hélène Barcelo, Georgia Benkart, Brian Boe, Susanne Brenner, Jesús De Loera, Richard Durrett, Lisa Fauci, Susan Friedlander, Pamela Gorkin, Allan Greenleaf, Jane Hawkins, Tara Holm, Carlos Kenig, Michel Lapidus, Michael Larsen, Kristin Lauter, Wen-Ching Winnie Li, Susan Montgomery, Zbigniew Nitecki, Ken Ono, Nataša Pavlović, Amber Puha, Kenneth Ribet, Carla Savage, and Steven Weintraub. Members not in attendance were Sergey Fomin, Edward Frenkel, Mary Pugh, Peter Sarnak, Ronald Solomon, Michael Singer, Jennifer Taback, Christoph Thiele, and David Vogan. Among the guests present were Thomas Barr (AMS Special Projects Officer), Michael Bennett (Canandian Mathematical Society President-Elect), John Bihn (*Notices* Student Assistant), Ruth Charney (Chair of the Board of Trustees), Henry Cohn (Newly Elected Council Member), Edward Dunne (Mathematical Reviews Executive Editor), Erica Flapan (Newly Elected Council Member), Sergei Gelfand (AMS Publisher), Robert Harington (AMS Associate Executive Director for Publishing), Darla Kremer (Office of the AMS Secretary), Graham Leuschke (Committee on Meetings and Conferences Chair), Robin Marek (AMS Development Director), Donald McClure (AMS Executive Director), Katharine Merow (*Notices* Assistant), Frank Morgan (*Notices* Chief Editor), Gabriel Ngwe (*Notices* Student Assistant), David Savitt (Committee on the Profession Chair-Designate), Matthew Simonson (AMS Graduate Student Blog Chief Editor), T. Christine Stevens (AMS Associate Executive Director for Meetings and Professional Services), Joseph Silverman (Board of Trustees), and Karen Vogtmann (Board of Trustees).

1.1 Opening of the Meeting and Introductions

1.2 2015 AMS Elections

The Society conducted its annual elections in the fall of 2015. Except for the new members of the Nominating Committee, those elected will take office on 01 February 2016. 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.

1.3 List of Council Members

A list of 2015 Council members can be found in Attachment A and a list of 2016 Council members can be found in Attachment B.

1.4 Retiring Members

The terms of David Vogan as Immediate Past President, Christoph Thiele as Vice President, and Jesús De Loera[1], Allan Greenleaf, Nataša Pavlović, Amber Puha, and Kenneth Ribet[2] as Council Members at Large will end on 31 January 2016. Hélène Barcelo's term as a member of the Executive Committee will end on 28 February 2016. This will be their final Council meeting in their current positions.

The Council agreed that the Secretary should send thanks to each of them for sharing their wisdom with the Society and the Council and for their service to the mathematical community.

2 Minutes

2.1 Minutes of the April 2015 Council

The minutes of the April 2015 Council were posted and distributed by email prior to the meeting. They are available here: `April 2015 Minutes`.

The Council approved the minutes as distributed.

2.2 Minutes of the 05/2015 and 11/2015 Executive Committee and Board of Trustees (ECBT) Meetings

The ECBT met in Ann Arbor, Michigan in May and again in Providence, Rhode Island in November. The minutes of these meeting were distributed before the Council meeting. These are considered part of the minutes of the Council. They are available at: `ECBT Minutes`.

2.3 Minutes of Business by Mail

The President called for approval of the Minutes of Council Business by mail (Attachment AI) to elect **Jennifer Taback** to the Executive Committee of the Council to fill the seat vacated by Kenneth Ribet. Her two-year term begins on 01 February 2016 and ends when her replacement is elected in February of 2018. Ribet will continue to serve ex officio on the Executive Committee in his new role as President Elect.

The Council approved the Minutes of the Council Business by Mail.

[1]De Loera will remain on the Council as a member of the Executive Committee.
[2]Ribet will remain on the Council as President Elect

3 Consent Agenda

Items on the Consent Agenda are considered approved unless brought to the floor for discussion, in which case they must be approved in the ordinary manner and reported in the appropriate section elsewhere in the Council Minutes. None of the following items were brought to the floor for discussion, so are considered approved as stated.

3.1 Mathematics of Computation Editorial Committee Charge

At its September 2015 meeting, the Committee on Publications (CPub) approved a slight revision to the charge of the *Mathematics of Computation* Editorial Committee to better reflect the current activities of the committee. The current charge indicating the proposed changes is included as Attachment C.

3.2 Change in the Charge to the Mathematical Reviews Editorial Committee

At its October 2015 meeting, the *Mathematical Reviews* Editorial Committee (MREC) reviewed its current charge and unanimously approved a motion to recommend to Council that the sentence:

> Traditionally, one member of the committee has been from the Ann Arbor campus, the University of Michigan and has chaired the committee (there have been exceptions).

be replaced by:

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

The current charge, with the proposed change noted, is included as Attachment D.

3.3 Menger Prize Amounts

The following AMS Menger prizes have traditionally been awarded at the Intel International Science and Engineering Fair (ISEF): one first place award of $1000; two second place awards of $500 each; and four third place awards of $250 each.

In 2015, the organizers of ISEF introduced a rule that an organization's prizes must total at least $5000 in order to present them at the award ceremony.

At its November 2015 meeting, the ECBT approved increasing these amounts, effective in 2016, to the following: one first place award of $2000; two second place awards of $1000 each; and four third place awards of $500 each. The resulting annual total is $6000.

4 Reports of Boards and Standing Committees

4.1 Tellers' Report on the 2015 Elections [Executive Session]

The Society conducted its annual elections in the fall of 2015. There were 3,817 Ballots cast; 3,613 of these were web ballots and 204 were paper ballots. The report of the Tellers is attached (Attachment AJ).

4.1.1 Tellers' Report on the Election of Officers

Those elected will take office on 01 February 2016. 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	Kenneth A. Ribet, University of California at Berkeley
Vice President	Richard Schoen, University of California at Irvine & Stanford University
Members at Large	Henry Cohn, Microsoft Research New England & MIT Alicia Dickenstein, University of Buenos Aires Erica Flapan, Pomona College Anna Mazzucato, Pennsylvania State University Alan William Reid, University of Texas at Austin
Trustee	Bryna Kra, Northwestern University

4.1.2 Tellers' Report on the Election to the Nominating Committee

The following people were elected to the AMS Nominating Committee. Their terms of office are 01 January 2016 – 31 December 2018.

Carolyn Gordon, Dartmouth College
David R. Morrison, University of California at Santa Barbara
Karen Hunger Parshall, University of Virginia

4.1.3 Tellers' Report on the Election to the Editorial boards Committee

The following were elected to the Editorial Boards Committee. Their terms of office are 01 February 2016 – 31 January 2019.

Laura DeMarco, Northwestern University
Tatiana Toro, University of Washington

The Council approved the various Tellers' Reports.

4.2 Executive Committee and Board of Trustees

4.2.1 Appointments of AMS Officers [Executive Session]

The Executive Committee and Board of Trustees (ECBT) recommended the reappointment of two Associate Secretaries, the Secretary and the Treasurer. Tara Holm, the Executive Committee member serving on the ECBT Nominating Committee, reported to the Council on the actions of the ECBT pertaining to the reappointments.

4.2.1.1 Associate Secretary of the Southeastern Section

The second term of **Brian D. Boe** as Associate Secretary of the Southeastern Section expires 31 January 2017. The ECBT recommended reappointment for another two-year term (01 February 2017 – 31 January 2019).

The Council reappointed Boe as Associate Secretary for a third term.

4.2.1.2 Associate Secretary of the Eastern Section

The fourth term of **Steven H. Weintraub** as Associate Secretary of the Eastern Section expires 31 January 2017. The ECBT recommended reappointment for another two-year term (01 February 2017 – 31 January 2019).

The Council reappointed Weintraub as Associate Secretary for a fifth term.

4.2.1.3 Secretary

The second term of Secretary **Carla D. Savage** expires on 31 January 2017. The ECBT recommended reappointment for another two-year term (01 February 2017 – 31 January 2019).

The Council reappointed Savage as Secretary for a third term.

4.2.1.4 Treasurer

The third term of Treasurer **Jane M. Hawkins** expires on 31 January 2017. The ECBT recommended reappointment for another two-year term (01 February 2017 – 31 January 2019).

The Council reappointed Hawkins as Treasurer for a third term.

4.2.2 Dues Level for the 2017 Membership Year

The ECBT recommended that individual member dues in 2017 be increased by $4 to $192 for "Regular" members in the "High Income" category, with the salary cutoff for high/low rates remaining at $85,000.

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

The Council approved the ECBT recommendation.

4.3 Committee on Science Policy

The Committee on Science Policy (CSP) met in Washington, D.C. on April 14–15, 2015. The annual report of this committee is attached (Attachment F) and has been filed in the AMS Committee Report Book as Report Number 151116-011. Committee Chair Kenneth Ribet announced the CSP panel discussion entitled *Mathematical careers beyond academia* which took place at the Joint Mathematics Meetings on Friday, January 08, 2016 at 2:30 p.m. A full report of the committee was presented to Council at the April 2015 Council Meeting.

4.4 Committee on Meetings and Conferences

The Committee on Meetings and Conferences (CoMC) met in Providence, RI on March 21, 2015. The annual report of this committee was delivered at the April 2015 Council meeting and is on file as Report Number 150408-001. Committee Chair Graham Leuschke commented briefly. He highlighted the successes of the program for child care grants at the Joint Mathematics Meetings, mentioned that the committee recently reviewed invited and plenary lectures, and informed Council that the next program to be reviewed will be that of Meetings in Cooperation with the AMS.

4.5 Committee on Education

The Committee on Education (CoE) met in Washington, D.C. on October 29–31, 2015. The annual report of this committee is attached (Attachment G) and has been filed in the AMS Committee Report Book as Report Number 151116-010. Committee Chair Tara Holm provided an oral report, with time for discussion. She highlighted the work of the committee to coordinate with other societies in formulating a statement outlining mathematicians' role in providing an excellent undergraduate education. She also announced the CoE-sponsored panel discussion, *What is a mathematics PhD?* that took place at the Joint Mathematics Meetings on Thursday, January 07, 2016 at 1:00 p.m.

4.6 Committee on the Profession

The Committee on the Profession (CoProf) met in Chicago, Illinois, on September 19–20, 2015. The annual report of this committee is attached (Attachment H) and has been filed in the AMS Committee Report Book as Report Number 151124-019. Committee Chair Allan Greenleaf provided an oral report, with time for discussion. He announced the CoProf panel discussion, *Promoting mathematics to policy makers and the public*, that took place at the Joint Mathematics Meetings on Wednesday, January 06, 2016 at 4:30 p.m. He informed Council that a subcommittee has been formed to investigate the possibility of the AMS developing a program of site visits to institutions, expressed a concern of the committee that the number of Fellows being selected is too small, and informed Council that the committee would be reviewing the charge to the Committee on Academic Freedom, Tenure, and Employment Security in the coming year.

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

4.6.1 Anti-Harassment Policy Statement

The current AMS Policy Statement on Sexual Harassment (Attachment I) was approved by the Council in 1994. At its meeting in September 2014, CoProf created a subcommittee to review that statement, with the goal of possibly modifying and updating it. In September 2015, CoProf approved a new AMS Anti-Harassment Statement, which was subsequently reviewed by the Society's attorney.

The final version of the new AMS Anti-Harassment Statement is included as Attachment J. It was approved by CoProf for recommendation to Council.

The Council approved the new AMS Anti-Harassment Statement as written.

Following a recommendation of the Secretary, the Council proposed that the following resolution be considered at the April 2016 Council meeting:

The AMS Council endorses the AMS Anti-Harassment Statement so as to speak in the name of the Society. This statement is intended to replace the 1994 AMS Policy Statement on Sexual Harassment.

4.6.2 Venue for the Levi L. Conant Prize

An agreement between the AMS and the Mathematical Association of America limits the number of prizes that can be presented at the Joint Prize Session at the Joint Mathematics Meetings. Since the AMS expects to add to its slate of prizes in the near future, a subcommittee of CoProf was tasked with reviewing appropriate venues for awarding AMS prizes.

One of the changes recommended by the subcommittee involves the Levi L. Conant Prize. The Conant Prize is awarded annually for the best expository paper published in either the *Notices* or the *Bulletin* during the preceding five years. The Conant Prize was established in 2000 to honor Levi L. Conant, who spent much of his career at Worcester Polytechnic Institute (WPI). Prize winners are invited to present a public lecture at WPI as part of the Levi L. Conant Lecture Series, which was established in 2006.

The Council approved the following recommendation, put forth by the subcommittee and endorsed by CoProf:

Award the Conant Prize as part of the ceremony associated with the annual Conant Lecture at Worcester Polytechnic Institute.

4.6.3 New Prize Proposal: The Bertrand Russell Prize of the AMS

The AMS, through its Development Committee, received a proposal to establish "The Bertrand Russell Prize of the AMS." The purpose of the prize is to honor "research or service contributions of mathematicians or related professionals to promoting good in the world" and to "recognize the various ways that mathematics furthers human values". The prize was proposed by Thomas Hales and would be funded by an endowment established by him.

The Development Committee worked with the donor to refine the proposal. On April 25, 2015, the Development Committee endorsed the proposal appearing in Attachment K and sent it to CoProf for consideration. The Development Committee asked the Secretary to provide CoProf with some examples to illustrate the intent of the prize.

At its September 2015 meeting, CoProf voted to recommend to Council approval of the Prize, as described in Attachment K.

The Council was asked to approve the creation of The Bertrand Russell Prize of the AMS:

The Bertrand Russell Prize of the AMS

Prize Description: This prize looks beyond the confines of our profession to research or service contributions of mathematicians or related professionals to promoting good in the world. It recognizes the various ways that mathematics furthers fundamental human values.

Prize Details: The $5,000 prize will be awarded every three years.

About this Prize: The mission of the AMS includes

- promoting the uses of mathematical research,
- advancing the status of the profession of mathematics, and
- fostering an awareness and appreciation of mathematics and its connections to other disciplines and everyday life.

This prize, proposed and funded by Thomas Hales, is designed to promote these goals. Mathematical contributions that further world health, our understanding of climate change, digital privacy, or education in developing countries, are some examples of the type of work that might be considered for the prize.

The initial endowment will be at least $50,000.

The Council approved the creation of the Bertrand Russell Prize of the AMS, subject to review by AMS counsel regarding the use of the name "Bertrand Russell."

After the meeting, AMS Executive Director McClure consulted an Intellectual Property attorney, who confirmed that there was no problem with using the name Bertrand Russell.

4.6.4 Proposed New Prize in Stochastic Theory and Modeling

In the summer of 2015 the AMS Development Committee was contacted about establishing a new prize: the Ulf Grenander Prize in Stochastic Theory and Modeling. The Development Committee worked with the prospective donors to reach consensus on the description, which appears in Attachment L. The document includes a brief biography of Dr. Grenander.

The Development Committee forwarded the description of the proposed Ulf Grenander Prize to CoProf for consideration at its September 2015 meeting. CoProf voted to support the creation of an AMS prize in this area, with final details to be discussed by CoProf and approved by the Council. It did so with the understanding that the prize might have to be on the ECBT agenda in November 2015, in order to meet a request from the donors regarding the timing of their contributions.

In November 2015, the ECBT approved acceptance of endowment contributions in support of the Ulf Grenander Prize in Stochastic Theory and Modeling, with final details of the Prize

to be considered by the Committee on the Profession and approved by the Council.

At the recommendation of CoProf and a request of the ECBT, the Council approved the planning and creation of the Ulf Grenander Prize in Stochastic Theory and Modeling, with details of the prize, including amount and frequency, to be discussed by CoProf and approved by Council.

4.6.5 Nominations by Petition

Candidates for election to AMS President, Vice President, Trustee, and Member at Large are recommended to the Council by the Nominating Committee. Candidates for the Editorial Boards Committee and the Nominating Committee are named by the President.

However, "Nominations by Petition" provide another channel for AMS members to recommend candidates for election (Attachment M). The procedure is published biannually in the February and September issues of the *Notices*.

Although it has been unusual in recent years to receive nominations by petition, in April 2015, the Council received two valid petitions, one for Vice President and one for Member at Large. The Council nominated both. After some discussion about revisiting Nominations by Petition, the April 2015 Council approved the following resolution:

> *The Council recommends that the Committee on the Profession review the history, policies and procedures surrounding Nominations by Petition and make a recommendation to Council about this process.*

At its September 2015 meeting, CoProf reviewed and discussed material provided them on the history, policies and procedures surrounding Nominations by Petition and did not recommend any changes to the Nomination by Petition process.

However, CoProf felt that the statement "*The Council of 23 January 1979 stated the intent of the Council of nominating all persons on whose behalf there were valid petitions*" should be removed from the Nomination by Petition instructions published in the *Notices*. CoProf did not view the statement in question as binding Council to accept a nomination by petition. This recommendation has been implemented by the Secretary's office.

4.6.6 Nomination Materials for the Steele Prizes

CoProf discussed a recommendation from the Steele Prize Committee that limitations be established on the amount of material that can be submitted as part of a nomination for each of the Steele Prizes, with the specifications possibly being different for the different Steele Prizes. CoProf agreed that it was reasonable to establish limits on the nomination materials and endorsed "in spirit" the recommendation of the Steele Prize Committee regarding the material that can be submitted. Guidelines are being implemented by the Secretary's office.

4.7 Committee on Publications

The Committee on Publications (CPub) met in Chicago, Illinois, on September 18–19, 2015. The annual report of this committee is attached (Attachment N) and has been filed in the AMS Committee Report Book as Report Number 151116-009. Sergei Gelfand, AMS Publisher, gave an oral report on behalf of the committee, with time for discussion.

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

4.7.1 Recommendation from CPub's 2014 Review of AMS Primary Journals

This item is from the 2014 Annual Report of CPub to Council. The item was deferred because of ongoing Strategic Planning at AMS.

Based on the 2014 Report of the CPub subcommittee appointed to review AMS primary research journals, CPub made the following unanimous recommendation to Council:

> *The AMS should increase the capacity of its research journals in order to better serve the mathematical community.*

The Executive Committee of the Council has selected this topic for an in-depth discussion at the April 2016 Council meeting.

4.7.2 Online Journal of Analytic Combinatorics

In June 2015, AMS received a proposal to take over the journal, *Online Journal of Analytic Combinatorics* (OJAC). OJAC, launched in 2006, is an independently run, open-access journal hosted on a server at the University of Rochester:

`www.math.rochester.edu/ojac/` .

A proposal to take over publication of OJAC was first evaluated by a subcommittee of the Committee on Publications (CPub), which presented its report to the full committee at the time of CPub's September 2015 meeting. Attachment O includes background information and supporting material, the initial proposal, the report of the subcommittee, and the CPub Guidelines for Reviewing Proposals to Launch a New Topical Journal. The Council considered the following recommendation:

> *CPub recommends to Council that Online Journal of Analytic Combinatorics become an AMS journal and feels it important to carefully review the health of this journal in 2019, when CPub will conduct its next review of the non-primary AMS journals.*

After some discussion, a motion was made and seconded to reject the recommendation of CPub. This motion passed on a vote of 16 in favor, 0 opposed and 5 abstentions.

4.7.3 Theory of Probability and Mathematical Statistics

The 2015 CPub subcommittee appointed to review electronic-only, translation, and distributed journals of the AMS recommended to CPub that the translation journal *Theory of Probability and Mathematical Statistics* be discontinued, citing concerns in its report (Attachment P). CPub endorsed this recommendation for forwarding to Council.

However, at its November 2015 meeting, the ECBT voted (with one abstention) to recommend that the Council *not* accept the recommended discontinuation. The ECBT bases this recommendation on satisfactory explanations that were provided by AMS staff for some of the problems cited in the CPub subcommittee's report. A summary of the ECBT discussion was included with the Council Agenda.

The recommendation of CPub to discontinue the translation journal *Theory of Probability and Mathematical Statistics* failed on a vote of 5 in favor, 10 opposed and 6 abstentions.

4.8 Mathematical Reviews Editorial Committee

The Mathematical Reviews Editorial Committee (MREC) met in Ann Arbor, Michigan on October 12, 2015. The annual report of this committee is attached (Attachment Q) and has been filed in the AMS Committee Report Book as Report Number 151026-006. Executive Editor Edward Dunne provided an oral report on behalf of the committee. He highlighted new features being implemented including improved search, adding native script and expanding types of publications included in the reference list database. He also reported on a small change in the editorial statement.

4.9 Fellows Selection Committee

The Fellows Selection Committee completed its work of selecting the AMS Fellows for 2016; its annual report is attached (Attachment R) and has been filed in the AMS Committee Report Book as Report Number 150809-003. The report was reviewed by CoProf and by the Executive Committee. CoProf expressed concern that the number of Fellows currently selected annually is too small and that this may be creating ill will in the mathematical community. The Executive Committee discussed the report and expressed appreciation for the considerable work of the committee. See also Item 6.1 of these minutes regarding the number of new Fellows to be selected in 2016.

4.10 Report from the AMS-ASA-MAA-SIAM Joint Data Committee

The 2014 annual report of this committee is attached (Attachment S) and has been filed in the AMS Committee Report Book as Report Number 151009-007.

4.11 Report from the AMS Representative to the Canadian Mathematical Society

The 2015 report from Hélène Barcelo who attended the Council of the Canadian Mathematical Society as an AMS Representative is attached (Attachment T) and has been filed in the AMS Committee Report Book as Report Number 150714-002.

4.12 Report from the Committee on Academic Freedom, Tenure and Employment Security (CAFTES)

The 2015 annual report of this committee is attached (Attachment U) and has been filed in the AMS Committee Report Book as Report Number 151116-014.

4.13 Report from the Committee on Professional Ethics (COPE)

The 2015 annual report of this committee is attached (Attachment V) and has been filed in the AMS Committee Report Book as Report Number 151116-012.

4.14 Report from the AMS Committee on Women in Mathematics (CoWiM)

The 2015 annual report of this committee is attached (Attachment W) and has been filed in the AMS Committee Report Book as Report Number 151116-017.

4.15 Report from the Mathematics Research Communities Advisory Board

The 2015 annual report of this committee is attached (Attachment X) and has been filed in the AMS Committee Report Book as Report Number 151102-008.

4.16 Report from the Arnold Ross Lecture Committee

The 2015 annual report of this committee is attached (Attachment Y) and has been filed in the AMS Committee Report Book as Report Number 151124-018.

4.17 Report from the AMS-AAAS Liaison Committee

The 2015 annual report of this committee is attached (Attachment Z) and has been filed in the AMS Committee Report Book as Report Number 151116-013.

4.18 Report from the Library Committee

The 2015 annual report of this committee is attached (Attachment AA) and has been filed in the AMS Committee Report Book as Report Number 151030-005.

4.19 Report from the Short Course Subcommittee

The 2015 annual report of this committee is attached (Attachment AB) and has been filed in the AMS Committee Report Book as Report Number 151116-016.

4.20 Report from the Fan Fund Committee

The 2015 annual report of this committee is attached (Attachment AC) and has been filed in the AMS Committee Report Book as Report Number 151019-004.

4.21 Report from the Joint Committee on Women (JCW)

The 2015 annual report of this committee is attached (Attachment AD) and has been filed in the AMS Committee Report Book as Report Number 151116-015.

5 Old Business

5.1 Status of Proposal for the AMS to Become an Institutional Home for the National Alliance for Doctoral Studies

Attachment AE reports on the status (as of December 07, 2015) of the proposal for the AMS to become an institutional home for the National Alliance for Doctoral Studies in the

Mathematical Sciences (Math Alliance).

The proposal was first introduced to the Committee on the Profession (CoProf) in September 2014 and to the Committee on Education (CoE) in October 2014 as a proposal for the AMS to establish an "office" of education and diversity which would become a home for the Math Alliance. CoE unanimously endorsed a resolution for further exploration for eventual implementation by the AMS. The ECBT discussed the proposal in November 2014 and recommended that President Vogan appoint an Advisory Group to evaluate the proposal to establish an "office" and become a home for the Math Alliance. The Advisory Group was to report to the Council and ECBT. David Vogan appointed Robert Bryant, Jane Hawkins, Jesús De Loera, Douglas Mupasiri, T. Christine Stevens and Donald McClure to the advisory group. The Council subsequently had open discussion about the proposal at the dinner following the January 2015 meeting in San Antonio.

Prior to the April 2015 Council meeting, the Advisory Group met in Washington, visited the American Physical Society department of education and diversity, and discussed the steps towards creating an AMS department of education and diversity. The following week, the Advisory Group reviewed and discussed the report planned for the April 25 Council meeting. The report was made to the Council in an agenda attachment that was approved by the Advisory Group. The report was titled "Steps toward an AMS Department of Education and Diversity." The report included the plan to launch a search for a Director of Education and Diversity following the upcoming May ECBT meeting. That was done and the question of becoming a home for the Math Alliance remained open.

At the April 2015 Council meeting, the Council adopted a resolution requesting that the Committee on the Profession, the Committee on Education, and the aforementioned Advisory Group consider the proposal for the AMS to become an institutional home for the Math Alliance and, if the committees planned to recommend that the AMS proceed in that direction, that they prepare detailed recommendations for the ECBT and Council in time for those bodies to act at their November 2015 and January 2016 meetings.

Executive Director McClure reported to the Council that on December 27, 2015, the Math Alliance informed the AMS that the Alliance has accepted a proposal to move to Purdue University. David Goldberg has been named as Executive Director of the Alliance; Edray Goins is serving as Associate Director.

6 New Business

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

Each year the January Council must provide a guideline for the number of Fellows to be selected that year. Attachment AF 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. It was anticipated that during a transition period of approximately ten years about 75 new Fellows would be appointed each year. However, this was based on a membership total of 30,000, on the prediction that the seeding process would result in an inaugural class of about 800 Fellows, and on the assumption of an attrition of about 40 Fellows per year.

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

There are currently 28,067 members, 1,260 of whom are Fellows. The Secretary asked the Executive Committee (EC) to recommend a number to the Council as the guideline for the election of new Fellows in 2017, the fourth year of the transition period.

The EC recommended to the Council that the target number of Fellows selected in 2016 for the Class of 2017 be set at 50. In coming to that decision, the EC took into consideration the large number of nominations rolling over to 2016, the concern of CoProf that the number of Fellows being selected is too small and might be causing hard feelings in the community, and the observation of one AMS member that many of those selected for the class of 2016 were award-winning mathematicians who would have been in the initial class, had they been AMS members.

The Council decided that the Fellows Selection Committee should be given a target range of 50–65 Fellows to be selected in 2016 for the Class of 2017.

6.2 Strategic Planning [Executive Session]

The Society has now been working on strategic planning for two-and-a-half years.

At the May 2013 meeting of the Executive Committee and Board of Trustees, the ECBT approved of the President appointing a committee to oversee all aspects of the strategic planning for the AMS. Then President Vogan appointed a Strategic Planning Oversight

Committee (referred to as SPOCK) including Ralph Cohen (EC member), Mark Green (BT Chair), Donald McClure (Executive Director), Emily Riley (CFO), Carla Savage (Secretary), and David Vogan (President). The committee was later expanded by adding William Jaco (2014 BT Chair) and Robert Bryant (2015–2016 President). Also, Ronald Solomon (Chair, Mathematical Reviews Editorial Committee) was added for the part of strategic planning focused on MathSciNet.

The strategic planning has been done in three parts:

- Membership, professional services, and activities of the Washington Office,
- Publishing comprehensively, and
- Mathematical Reviews / MathSciNet.

The issues are quite different and two different consulting firms were engaged.

In each of the areas, SPOCK and a staff planning group (SPEG) identified issues, called for proposals from prospective consultants, engaged consulting help, reached out for input from Society members and leaders, conducted surveys of the broad mathematics community, and benefited from the guidance of the consultants to formulate and write plans.

A strategy map was presented to the ECBT in May 2015 and strategic initiatives were presented to the ECBT on November 20, 2015 and approved as a framework for implementation of the strategic plan. A document containing the strategy map, an outline of the strategic initiatives, and a summary of the planning process is attached (Attachment AK). Details of the strategic initiatives were presented to Council during Executive Session. AMS staff members Dunne, Gelfand, Harington, and Stevens participated in this discussion.

As recommended by SPOCK, the Council endorsed the following resolution:

> *Be it resolved that the Council endorses the strategic initiatives, contained in an attachment to the Executive Session Agenda, as a framework for implementation of the Strategic Plan regarding Membership, Professional Services, Washington Activities, Publishing, and Mathematical Reviews/MathSciNet for moving the Society forward in the next five years and beyond.*

6.3 Comments from a Representative from the Canadian Mathematical Society

President Elect of the Canadian Mathematical Society (CMS), Michael Bennett, reported on activities of the CMS.

6.4 Report from the new Chief Editor of the Notices

Frank Morgan began his term as Chief Editor of the *Notices* on January 01, 2016. Morgan reported orally to the Council; he submitted the following remarks prior to the meeting:

> The January *Notices* introduces many new features. The cover story, JMM Lecture Sampler, is also available as a handout at the joint meetings. A new Graduate Student Section has an email interview of Ian Agol by the first graduate student member of the Editorial Board, an enhanced version of the popular "What is a?" feature, and some excerpts from the AMS Graduate Student Blog. Every February and September, there will be a "Mathematical Moment" for sharing with friends. Some of the more routine material is being replaced with shorter blurbs and links to fuller information. The new closing "Back Page" includes a cartoon caption contest and an original comic strip.
>
> To provide compelling, readable articles on the latest advances in mathematics and other topics of interest requires extensive solicitation and editing. It is not easy to find associate editors willing and able to take on this demanding and time-consuming work. Some of my favorite prospects feel that their time is better spent on research, writing, and speaking, and I have to agree and let them go with my best wishes. Some remain as consultants.

6.5 Comments from the Editor-in-Chief of the AMS Graduate Student Blog

Editor-in-Chief of the AMS Graduate Student Blog, Matthew Simonson, reported to the Council. He detailed some of the topics covered on the blog and requested that Council members invite their students to participate.

7 Announcements, Information and Record

7.1 Budget

The Board of Trustees adopted the budget for 2016 as presented at its 21 November 2015 meeting.

7.2 Executive Committee Actions

7.2.1 Editorial Appointments

Acting upon a recommendation from Frank Morgan, Chief Editor-Elect of the *Notices of the AMS*, the Executive Committee of the Council (EC) appointed **Bill Casselman** (University of British Columbia), **Alexander Diaz-Lopez** (University of Notre Dame), **Thomas Garrity** (Williams College), **Joel Hass** (University of California, Davis), **Stephen Kennedy** (Carleton College), **Florian Luca** (University of Witwatersrand), **Steven J Miller** (Williams College), **Cesar Silva** (Williams College), and **Christina Sormani** (City University of New York) as Associate Editors of the *Notices* for three-year terms beginning on 01 January 2016 and ending on 31 December 2018.

For information.

7.3 Blumenthal Trust

In September 2015, Executive Director McClure was informed by Central Trust Company in Columbia, Missouri that the Leonard M. and Eleanor B. Blumenthal Trust for the Advancement of Mathematics had been terminated and the funds distributed to the designated beneficiary. As a result, the Blumenthal Award has been terminated. Information about this award, including a link to past winners, is posted here: `Blumenthal Award`.

For information.

7.4 Report on the AMS Graduate Student Chapters

The AMS Graduate Student Chapters were launched in 2012-2013. There are now 37 Chapters. Further information can be found on the web page: `AMS Graduate Student Chapters`

For information.

7.5 Next Council Meeting

The next AMS Council Meeting will be held Saturday, 02 April 2016, in Chicago, Illinois, starting at noon with a working lunch. As usual, a significant component of the Council meeting will be the actual nomination of candidates for election in 2016 to AMS offices, as proposed by the Nominating Committee.

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

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?

The Council discussions were started in 2002. Recent discussion topics have been: additional steps the AMS might take to promote diversity (2012); the role of online materials, especially MOOCs, in college/university education (2013); MathSciNet: Is it still a competitive product? What can be done to make it more valuable to mathematicians? (2014); and AMS Membership: Is it still relevant for mathematicians? (2015).

7.6 Future Scientific and Governance Meetings

See the listing of future meetings in Attachment AH.

8 Adjournment

The meeting adjourned at 6:05 p.m.

ATTACHMENTS

2015 AMS GOVERNANCE

2015 COUNCIL

Officers

President	Robert Bryant	Duke University	31 Jan 2017
Immediate Past President	David A. Vogan, Jr.	Massachusetts Institute of Technology	31 Jan 2016
Vice Presidents	Carlos Kenig	University of Chicago	31 Jan 2018
	Susan Montgomery	University of Southern California	31 Jan 2017
	Christoph Thiele	Universität Bonn	31 Jan 2016
Secretary	Carla D. Savage	North Carolina State University	31 Jan 2017
Associate Secretaries	Georgia Benkart	University of Wisconsin	31 Jan 2019
	Brian D. Boe	University of Georgia	31 Jan 2017
	Michel Lapidus	University of California, Riverside	31 Jan 2019
	Steven H. Weintraub	Lehigh University	31 Jan 2017
Treasurer	Jane M. Hawkins	University of North Carolina	31 Jan 2017
Associate Treasurer	Zbigniew Nitecki	Tufts University	31 Jan 2019

Representatives of Committees

Bulletin Editorial	Susan J. Friedlander	University of Southern California	31 Jan 2018
Colloquium Editorial	Peter Sarnak	Princeton University	31 Jan 2017
Executive Committee	Tara Holm	Cornell University	28 Feb 2017
Executive Committee	Hélène Barcelo	Mathematical Sciences Res. Inst.	28 Feb 2016
Journal of the AMS	Sergey Fomin	University of Michigan	31 Jan 2017
Math Reviews Editorial	Ronald M. Solomon	Ohio State University	31 Jan 2017
Math Surveys & Monographs	Michael Singer	University College London	31 Jan 2018
Mathematics of Computation	Susanne C. Brenner	Louisiana State University	31 Jan 2020
Proceedings Editorial	Ken Ono	Emory University	31 Jan 2018
Transactions and Memoirs	Alejandro Adem	University of British Columbia	31 Jan 2017

Members at Large

Matthew Baker	Georgia Institute of Technology	31 Jan 2018
Jesús A. De Loera	University of California, Davis	31 Jan 2016
Richard T. Durrett	Duke University	31 Jan 2017
Lisa J. Fauci	Tulane University	31 Jan 2017
Edward Frenkel	University of California, Berkeley	31 Jan 2018
Pamela Gorkin	Bucknell University	31 Jan 2018
Allan T. Greenleaf	University of Rochester	31 Jan 2016
Michael J. Larsen	Indiana University	31 Jan 2017
Kristin E. Lauter	Microsoft Research	31 Jan 2017
Wen-Cheng Winnie Li	Pennsylvania State University	31 Jan 2018
Nataša Pavlović	University of Texas at Austin	31 Jan 2016
Mary Pugh	University of Toronto	31 Jan 2018
Amber L. Puha	California State University, San Marcos	31 Jan 2016
Kenneth A. Ribet	University of California, Berkeley	31 Jan 2016
Jennifer Taback	Bowdoin College	31 Jan 2017

2015 EXECUTIVE COMMITTEE

Hélène Barcelo	Mathematical Sciences Research Institute	28 Feb 2016
Robert Bryant	Duke University	*ex officio*
Jesús A. De Loera	University of California, Davis	28 Feb 2019
Tara S. Holm	Cornell University	28 Feb 2017
Kenneth A. Ribet	University of California, Berkeley	28 Feb 2018
Carla D. Savage	North Carolina State University	*ex officio*
David A. Vogan	Massachusetts Institute of Technology	*ex officio*

2015 TRUSTEES

Robert Bryant	Duke University	*ex officio*
Ruth Charney	Brandeis University	31 Jan 2017
Jane M. Hawkins	University of North Carolina	*ex officio*
William H. Jaco	Oklahoma State University	31 Jan 2016
Robert Lazarsfeld	Stony Brook University	31 Jan 2019
Zbigniew Nitecki	Tufts University	*ex officio*
Joseph H. Silverman	Brown University	31 Jan 2020
Karen Vogtmann	Cornell University	31 Jan 2018

2015 EDITORIAL BOARDS COMMITTEE

Daniel Calegari	University of Chicago	31 Jan 2018
Walter Craig	McMaster University	31 Jan 2016
Sergei Gelfand	AMS	*ex officio*
Walter D. Neumann	Barnard College	31 Jan 2016
Hee Oh	Yale University	31 Jan 2018
Carla D. Savage	North Carolina State University	*ex officio*
Anne Schilling	University of California, Davis	31 Jan 2017
Daniel Stroock	Massachusetts Institute of Technology	31 Jan 2017

2015 NOMINATING COMMITTEE

Douglas N. Arnold	University of Minnesota	31 Dec 2017
Peter Constantin	Princeton University	31 Dec 2016
Robert Griess	University of Michigan	31 Dec 2016
Christine Guenther	Pacific University	31 Dec 2017
Craig Huneke	University of Virginia	31 Dec 2015
Ken Ono	Emory University	31 Dec 2015
Kavita Ramanan	Brown University	31 Dec 2017
Amie Wilkinson	University of Chicago	31 Dec 2015
David Wright	Oklahoma State University	31 Dec 2016

2016 AMS GOVERNANCE

2016 COUNCIL

Officers

President	Robert Bryant	Duke University	31 Jan 2017
President Elect	Kenneth A. Ribet	University of California, Berkeley	31 Jan 2017
Vice Presidents	Carlos Kenig	University of Chicago	31 Jan 2018
	Susan Montgomery	University of Southern California	31 Jan 2017
	Richard Schoen	University of California, Irvine & Stanford University	31 Jan 2019
Secretary	Carla D. Savage	North Carolina State University	31 Jan 2019
Associate Secretaries	Georgia Benkart	University of Wisconsin	31 Jan 2018
	Brian D. Boe	University of Georgia	31 Jan 2019
	Michel Lapidus	University of California, Riverside	31 Jan 2018
	Steven H. Weintraub	Lehigh University	31 Jan 2019
Treasurer	Jane M. Hawkins	University of North Carolina	31 Jan 2019
Associate Treasurer	Zbigniew Nitecki	Tufts University	31 Jan 2018

Representatives of Committees

Bulletin Editorial	Susan J. Friedlander	University of Southern California	31 Jan 2018
Colloquium Editorial	Peter Sarnak	Princeton University	31 Jan 2017
Executive Committee	Jesús A. De Loera	University of California, Davis	28 Feb 2019
Executive Committee	Tara S. Holm	Cornell University	28 Feb 2017
Journal of the AMS	Sergey Fomin	University of Michigan	31 Jan 2017
Math Reviews Editorial	Ronald M. Solomon	Ohio State University	31 Jan 2017
Math Surveys & Monographs	Michael A. Singer	University College London	31 Jan 2018
Mathematics of Computation	Susanne C. Brenner	Louisiana State University	31 Jan 2020
Proceedings Editorial	Ken Ono	Emory University	31 Jan 2018
Transactions and Memoirs	Alejandro Adem	University of British Columbia	31 Jan 2017

Members at Large

Mathew Baker	Georgia Institute of Technology	31 Jan 2018
Henry Cohn	Microsoft Research New England & MIT	31 Jan 2019
Alicia Dickenstein	University of Buenos Aires	31 Jan 2019
Richard T. Durrett	Duke University	31 Jan 2017
Lisa J. Fauci	Tulane University	31 Jan 2017
Erica Flapan	Pomona College	31 Jan 2019
Edward Frenkel	University of California, Berkeley	31 Jan 2018
Pamela Gorkin	Bucknell University	31 Jan 2018
Michael J. Larsen	Indiana University	31 Jan 2017
Kristin E. Lauter	Microsoft Research	31 Jan 2017
Wen-Cheng Winnie Li	Pennsylvania State University	31 Jan 2018
Anna Mazzucato	Pennsylvania State University	31 Jan 2019
Mary Pugh	University of Toronto	31 Jan 2018
Alan William Reid	University of Texas at Austin	31 Jan 2019
Jennifer Taback	Bowdoin College	31 Jan 2017

2016 EXECUTIVE COMMITTEE

Robert Bryant	Duke University	*ex officio*
Jesús A. De Loera	University of California, Davis	28 Feb 2019
Tara S. Holm	Cornell University	28 Feb 2017
Kenneth A. Ribet	University of California, Berkeley	*ex officio*
Carla D. Savage	North Carolina State University	*ex officio*
Jennifer Taback	Bowdoin College	28 Feb 2018
New	**(to be elected)**	28 Feb 2020

2016 TRUSTEES

Robert Bryant	Duke University	*ex officio*
Ruth Charney	Brandeis University	31 Jan 2017
Jane M. Hawkins	University of North Carolina	*ex officio*
Bryna Kra	Northwestern University	31 Jan 2021
Robert Lazarsfeld	Stony Brook University	31 Jan 2019
Zbigniew Nitecki	Tufts University	*ex officio*
Joseph H. Silverman	Brown University	31 Jan 2020
Karen Vogtmann	Cornell University	31 Jan 2018

2016 EDITORIAL BOARDS COMMITTEE

Daniel Calegari	University of Chicago	31 Jan 2018
Laura DeMarco	Northwestern University	31 Jan 2019
Sergei Gelfand	AMS	*ex officio*
Hee Oh	Yale University	31 Jan 2018
Carla D. Savage	North Carolina State University	*ex officio*
Anne Schilling	University of California, Davis	31 Jan 2017
Daniel Stroock	Massachusetts Institute of Technology	31 Jan 2017
Tatiana Toro	University of Washington	31 Jan 2019

2016 NOMINATING COMMITTEE

Douglas N. Arnold	University of Minnesota	31 Dec 2017
Peter Constantin	Princeton University	31 Dec 2016
Carolyn Gordon	Dartmouth College	31 Dec 2018
Robert Griess	University of Michigan	31 Dec 2016
Christine Guenther	Pacific University	31 Dec 2017
David R. Morrision	University of California, Santa Barbara	31 Dec 2018
Karen Hunger Parshall	University of Virginia	31 Dec 2018
Kavita Ramanan	Brown University	31 Dec 2017
David Wright	Oklahoma State University	31 Dec 2016

Mathematics of Computation Editorial Committee

General Description

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

Principal Activities

1. To discuss and set editorial policy with regard to the publication of ~~the quarterly journal~~ *Mathematics of Computation*.

2. To make ~~decisions~~ recommendations on retention of current, and selection of new Associate Editors.

3. To take on the same responsibilities as those of associate editors.

4. The chair of the committee is to act as the Managing Editor of the journal, receiving all manuscripts submitted to the journal, assigning them to appropriate editors for review, and making the final decision on acceptance of papers, based on the recommendations of referees and editors. The chair is to conduct the correspondence with authors, to keep records of all editorial activities, to receive and solicit books for review in the Reviews section of the journal~~, and to maintain a repository of unpublished mathematical tables~~.

Other Activities

Miscellaneous Information

The chair of the Editorial Committee, who is also Managing Editor of the journal, will be appointed by the Council, upon nomination by the Editorial Boards Committee (EBC). Editors are appointed by the President upon recommendation of the EBC in consultation with the Managing Editor. Associate Editors are appointed by the President upon recommendation of the Editors and the approval of the EBC. The term of Associate Editors is four years. This committee will conduct, at most, one meeting per year. Travel reimbursement for this committee has been designated at **LEVEL B**.

Members normally serve no more than two consecutive terms.

Note to the Chair

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

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

Mathematical Reviews Editorial Committee

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

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

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

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

Other Activities

Miscellaneous Information
The chair will be elected by the Council, upon nomination by the Editorial Boards Committee. The chair of this committee attends Council meetings. The committee meets once a year, typically in October, in Ann Arbor, for one day.

Traditionally, one member of the committee has been from the Ann Arbor campus~~,~~ of the University of Michigan ~~and has chaired the committee (there have been exceptions)~~.

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

Authorization
The Committee was established in 1939.
4/88 Council approved increasing the committee from three to four members (Item 4.1).
1/94 Council approved increasing the committee from four to six members and that at least two members total are from outside North America (Item 3.15.1).
1/13 Council approved expanding membership from six to eight members with the addition of the Executive Director and the Associate Treasurer as non-voting ex officio members.
Updated: 4/88; 6/90; 10/90; 8/94; 5/95; 1996, 3/99; 1/03; 8/09; 1/12; 8/12; 1/13; 7/13 members, travel support, and Note to Chair.

Determining the 2017 Individual Member Dues Recommendation to the Council

In May 2015 the Board of Trustees approved a modification of the principles that guide the setting of individual member dues. Since the year 2017 is the first one to which the modified guidelines will be applied, we begin with a brief review of the change.

Background: The Previous Guidelines.

In May 2004 the Board of Trustees approved, and the Executive Committee recommended to the January 2005 Council, a new procedure for setting dues each year, replacing the (almost) automatic formula that was used for many years by a procedure based on a set of principles for setting dues. The new procedure was approved by the Council and was first used in setting dues for 2006. The procedure requires beginning the process of setting dues slightly earlier than before. To change the dues rate for year X+2, the discussions must begin in year X.

- In November of year X, staff makes a recommendation about dues, following the principles described below. The ECBT recommends a dues rate for year X+2 to the Council.

- In January of year X+1, the Council reviews the ECBT recommendation and sets the dues rate for year X+2.

- In May of year X+1, the Board of Trustees approves the dues set by Council.

The process for setting dues is meant to be guided by the following principles.

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

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

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

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

The Modified Guidelines

Prior to 2015, the individual dues did not exceed the total net direct costs of the membership areas listed in Principle 1 for four consecutive years. The reason that the individual dues could no longer cover these costs is that membership dues declined over a number of years while expenses grew with each passing year. Thus Principle 1 called for a large increase in dues, which would violate the other two principles. In May 2015 the Board of Trustees amended Principle 1 so that it would include revenues from institutional, as well as individual, dues. With this change, Principle 1 became:

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

Recommendation for 2017 Dues

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

Nevertheless, the staff recommend a small increase in dues for 2017. For the near future, we will continue to experience the problem of static dues revenues and rising costs. In accord with Principle 3, it is better to raise dues in small increments over the years rather than to raise them significantly all at once in the future, if dues once again no longer cover these costs. It is also important to note that the institutional dues provide other benefits that are a cost to the AMS, such as significant discounts on AMS products. Therefore, showing a significant margin associated with Principle 1 does not imply that AMS is benefitting excessively from institutional dues.

There is a significant rise in the Net Direct Cost of Membership Activities in 2016. This increase is due to a large increase in Membership Development and Administration costs. The increase in Membership Development costs is due to the expected addition of Membership Development staff in 2016.

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

Year	Individual Dues Revenues	Institutional Dues Revenues	Net Direct Cost of Membership Activities	Surplus (Deficit) of Revenue over Costs
2014	1,270	1,149	(1,466)	953
2015 Projected	1,243	1,179	(1,675)	738
2016 Budget	1,234	1,186	(2,033)	389
2017- $188	1,234	1,186	(2,033)	389
2017 - $192	1,260	1,186	(2,033)	413
2017 - $196	1,287	1,186	(2,033)	440

Explanatory Notes:

1. Membership Activities under Principle 1 are:
 a) *Notices* & *Bulletin*,
 b) Membership development and administration, and
 c) Governance
2. The amounts are taken directly from the B-Pages, pages 5 and 7, as presented to the ABC.
3. 2015 dues revenue reflects current projections and 2016 dues revenue is as budgeted. The three scenarios presented for 2017 dues assume a paying membership similar to that budgeted for 2016.

Principles 2 and 3 describe the factors to be taken into consideration for the determination of the amount of a dues increase. Shown in the chart at the end of this attachment are the economic data related to growth in faculty salaries and general inflation. The data on salaries relate to the general ability of members and potential members to pay dues with total personal income. It seems prudent for a membership organization to increase dues at the same or slower rate than its members' salaries increase. As of the end of 2014 (the last year of actual data), the cumulative dues increase as of 2015 lags the salary increase in the AMS survey by more than five years. Similar results are seen if one uses the AAUP salary data, although the lag time and differences in the cumulative increases are less than the results using the AMS survey.

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

Therefore, AMS staff members recommend that the regular high dues rate for 2017 be set at $192, with the salary cutoff for high/low rates remaining at $85,000. This is a $4 increase over the dues for 2016.

T. Christine Stevens, Associate Executive Director
Emily D. Riley, Chief Financial Officer
October 2015

Factors for Consideration in Setting Individual Dues Rates for 2017

	Faculty Salaries Data					Inflation Data		Regular High Dues Rates		
	AAUP Reports		AMS Annual Survey							
Academic Year Beginning	Annual Increase	Cumulative Increase	Doctoral Departments	Cumulative Increase	Calendar Year	Annual Increase CPI-U	Cumulative Increase CPI-U	Actual Dues	Cumulative Increase	High/Low Cutoff
1996	3.0%				1996	3.3%		120		45,000
1997	3.3%	3.3%	2.7%	2.7%	1997	1.7%	1.7%	124	3.3%	45,000
1998	3.6%	7.0%	3.8%	6.6%	1998	1.6%	3.3%	128	6.7%	45,000
1999	3.7%	11.0%	3.8%	10.7%	1999	2.7%	6.1%	132	10.0%	55,000
2000	3.5%	14.9%	5.0%	16.2%	2000	3.4%	9.7%	132	10.0%	65,000
2001	3.8%	19.2%	4.2%	21.1%	2001	1.6%	11.4%	136	13.3%	75,000
2002	3.0%	22.8%	3.3%	25.1%	2002	2.4%	14.1%	140	16.7%	75,000
2003	2.1%	25.4%	2.0%	27.6%	2003	1.9%	16.2%	144	20.0%	75,000
2004	2.8%	28.9%	2.2%	30.4%	2004	3.3%	20.0%	148	23.3%	80,000
2005	3.1%	32.9%	4.0%	35.6%	2005	3.4%	24.1%	152	26.7%	80,000
2006	3.8%	37.9%	3.5%	40.2%	2006	2.5%	27.2%	152	26.7%	80,000
2007	3.8%	43.2%	4.2%	46.1%	2007	4.1%	32.4%	156	30.0%	80,000
2008	3.4%	48.0%	1.6%	48.5%	2008	0.1%	32.6%	160	33.3%	80,000
2009	1.2%	49.8%	3.0%	53.0%	2009	2.7%	36.1%	164	36.7%	80,000
2010	1.4%	51.9%	0.7%	54.1%	2010	1.5%	38.2%	168	40.0%	85,000
2011	1.8%	54.6%	3.6%	59.6%	2011	3.0%	42.3%	168	40.0%	85,000
2012	1.7%	57.2%	1.3%	61.7%	2012	1.7%	44.7%	172	43.3%	85,000
2013	2.2%	60.7%	1.8%	64.6%	2013	1.5%	46.9%	176	46.7%	85,000
2014	2.2%	64.2%	3.0%	69.5%	2014	0.8%	49.4%	180	50.0%	85,000
					2015 proj	0.5%	52.4%	184	53.3%	85,000
					2016 est	2.0%	53.2%	188	56.7%	85,000
					2017	2.0%	55.4%	**188**	56.7%	85,000
					2017	2.0%	55.4%	**192**	60.0%	85,000
					2017	2.0%	55.4%	**196**	63.3%	85,000

Explanatory Notes:

1. AAUP data: Percentage increase in average nominal salaries for institutions reporting comparable data for adjacent one-year periods.
2. CPI-U data: Based on the Dec. to Dec. annual change in the index, with estimates for 2015, 2016 and 2017.

American Mathematical Society
Committee on Science Policy Meeting
April 14-15, 2015
Washington, DC

Summary

The Committee on Science Policy (CSP) met over two days with a focus on Capitol Hill meetings between Congressional representatives and meeting attendees to promote mathematics and to urge increased federal funding for the National Science Foundation, specifically a $7.7 billion budget level for FY2016. In total, the group met with 30 offices. The first day of the meeting was devoted to preparation for Hill meetings. Wednesday was spent making Hill visits.

Michael Vogelius
Director, Division of Mathematical Sciences (DMS)
Directorate of Mathematical & Physical Sciences (MPS), National Science Foundation (NSF)
Michael Vogelius began his presentation with a look at trends in R&D funding over the last 35+ years, recent NSF/MPS divisional budgets and a history of the NSF/MPS-DMS budget. He explained that NSF has been in a flat budget situation and there has been no strong budget growth in recent years.

Vogelius mentioned that the NSF is making an effort to get more Graduate Research Fellowship (GRF) proposals submitted. The AMS has been reaching out to department chairs on GRFs to encourage students to apply. There is a direct connection between number of proposals v. funding and the mathematics community needs to do more to increase the number of proposals submitted. He also mentioned that NSF will be using the Seattle JMM to reach out to undergraduates on this subject.

He also provided information on the institutes that get some level of funding from DMS including Institute for Advanced Study (IAS), IMA, IPAM, American Institute of Math, MSRI, ICERM, SAMSI, MBI – these get most of their funding from NSF.

Vogelius reported that he had been asked by the Society for Industrial and Applied Mathematics (SIAM) to write an article for their newsletter explaining the process for funding the institute program. He would like to submit this article for the Notices as well.

Mark Marin
House Committee on Science, Space and Technology
Subcommittees on Energy and Environment

Mark Marin reported on the America COMPETES Reauthorization Act of 2015 (H.R. 1806). The Bill as would authorize funding for the NSF by Directorate rather than for the agency as a whole. This is a very controversial aspect of the bill. It would prioritize basic research in the budgets of the Department of Energy (DOE) and NIST as well.

Marin also spoke of House Science Committee Chairman Rep. Lamar Smith (TX-21-R) and his NSF priority areas, which include Mathematical and Physical Sciences (MPS), Computer & Information Science & Engineering (CISE), Biological Sciences (BIO) and Engineering (ENG) for FY2016. NSF

Social, Behavioral & Economic Sciences (SBE) and Geosciences (GEO), along with Education & Human Resources (EHR) are not included in the priority list. Smith supports choosing some Directorates for increased investment over what would likely be a flat budget for all.

It was mentioned that the Coalition for National Science Funding (CNSF), among others, has sent a letter to Chairman Smith and members of the House Science Committee opposing funding by Directorate.

Boris Granovskiy
AMS Congressional Fellow 2014-15
Office of Senator Al Franken (MN)
Boris Granovskiy and AMS Washington Office Director Sam Rankin presented an orientation for Congressional meetings developed by the AMS Washington Office. Basic information about how to conduct congressional office meetings, the federal budget process, the structure of a Congressional office and insights into Members of Congress and their staffs were presented.

Granovskiy then led the group in preparing for their meetings through role playing. The AMS Washington Office developed the "Ask," which is a statement of the request of the Member of Congress that was left at each visit, along with other materials. The FY2016 "Ask" was for a $7.7 billion budget for the National Science Foundation (NSF).

Constituent Meetings
On Wednesday, April 15 the group went to Capitol Hill to hold meetings in congressional offices. The AMS Washington Office scheduled meetings for all participants with their respective Congressional representatives. These constituent meetings were conducted in four 2-person teams and one 3-person team.

Date of Next Meeting
The 2016 Committee on Science Policy meeting is scheduled for Tuesday, April 12 and Wednesday, April 13, 2016 in Washington, DC.

Submitted by Anita Benjamin
American Mathematical Society
Submitted May 1, 2015

American Mathematical Society
Committee on Education Meeting
October 29-31, 2015
Washington DC

Summary Report

The focus of the meeting was on preparing undergraduate students for the next steps. Presentations included a wide variety of perspectives, including an update on the MAA's study about students' progress through calculus, a discussion of proof comprehension in advanced mathematics, and an overview of the American Statistical Association's work on the Statistical Education of Teachers. Also covered were access to graduate programs, the role of internships in mathematical training, the transition from academia to industry, and increasing the participation of students from underrepresented groups.

Building bridges to broaden and deepen representation
Federico Ardila (San Francisco State University-SFSU) spoke to the group about the SFSU-Columbia Combinatorics Initiative, his online mathematics course for students at SFSU and the Universidad de Los Andes in Bogota, Columbia, as well as from the University of California-Berkeley. This program brings together a very diverse group of students to complete mathematical research projects and exchange ideas.

Ardila's initiative is funded through the SFSU research office and a NSF CAREER grant and is born out of his own educational experience in his native Columbia. The program utilizes technology to create videos of Ardila's classes at SFSU and broadcasts them to Los Andes. In this way, he is able to create a sense of community among these students who then collaborate to produce high level mathematical work. In addition, the funding has allowed him to take some SFSU students to Columbia to work alongside their peers, to attend conferences and collaborate on research.

Since Ardila launched the initiative seven years ago, it has reached 200 students – 60% Columbian undergraduates, 40% SFSU undergraduate and master's students (of which 30% are underrepresented minorities and 50% are women). The online resources are readily available including all videos, lecture notes, homework and projects

Lessons learned in building diversity
Ulrica Wilson (Morehouse College) spoke to the group about women and minorities' access to the mathematics profession. She spoke about problems with diversity in the mathematics community and her own experiences. She noted with particular interest the institutional factors, funding practices and market forces that create barriers.

Wilson talked specifically about the Enhancing Diversity in Graduate Education (EDGE) program for women pursuing careers in the mathematical sciences. This program, primarily funded by the National Science Foundation (NSF) in the past, is now also relying on a sponsorship program to help fund some critical components of the program.

The EDGE summer session is a four week residential program held each June that includes workshops and problem solving, formal mentoring, mini-courses, guest speakers and social activities. This summer

program has been held at a number of different locations and typically supports students from liberal arts colleges, although not exclusively.

Wilson also mentioned the Research Experiences for Undergraduate Faculty (REUF) workshops, sponsored by the American Institute of Mathematics (AIM), ICERM and NSF.

Challenges and opportunities for graduate school bound liberal arts students
Cristina Ballantine (College of the Holy Cross) and Steven Miller (Williams College) talked about the difficulty that liberal arts students have experienced in being admitted to top graduate programs in pure mathematics over the last 10-15 years. They explained that these students are no less qualified than others applying to graduate schools and discussed some ways in which the mathematics community might help to address the issues creating barriers for these students.

Barriers to students' comprehension of proofs in mathematical lectures
Keith Weber (Rutgers University) presented research, mostly funded by the NSF, on how well aligned students learning was in comparison to what instructors were trying to convey. He reported on several case studies where presentation of a proof by the instructor versus note taking and learning by the students was examined.

Weber discussed the importance of note taking, but pointed out that it can be challenging for students to take effective notes for various reasons. Instructors felt that the most important aspects of their proof presentations were given orally, therefore, students who relied on what was written on the board in taking their notes were not able to recall the most important parts of the presentation.

Other important factors for students in understanding proofs include their differing beliefs about learning from proofs (i.e. what students think the role or function of a proof is and what they think their responsibilities are as they read a proof), and *colloquial* mathematics, or the expression of a technical mathematical idea using informal English to aid in student comprehension.
Weber summarized that although students did learn useful information, they did not generally recognize the points the instructor highlighted as essential to convey.

Industrial mathematics opportunities and career pathways for undergraduate and graduate students
Rachel Levy (Harvey Mudd College) spoke to the group about preparing math students for careers in business, industry and government (BIG Math). She reported on the increasing number of math PhDs being produced and how the insufficient number of tenure-track jobs now requires students to look outside academia for jobs.

Levy emphasized the importance of starting early in preparing students for BIG math careers and noted a number of programs and competitions in math modeling. She also discussed the skills required for a successful BIG math career and training opportunities outside of curriculum to prepare students for jobs in BIG math (i.e. internships, study groups, embedded research in labs and clinic programs).

She also discussed the importance of creating a network (faculty ambassadors, BIG partners, department chairs and graduate directors etc.) to prepare students for BIG Math jobs and offered other ways in which the mathematics community can help in this endeavor.

Preparing math students for careers in industry: perspective from a career changer
Paul Koester (Allstate) began his presentation by providing information about his own career history and how he became a data scientist at Allstate insurance. He explained the term 'data scientist' and talked about the work he and his peers engage in and what their backgrounds are. He also discussed the challenges in adapting to work in industry, particularly for mathematicians.

Koester went on to talk about preparing students for jobs in industry and emphasized the communication and problem solving skills necessary to be successful. He suggested that improving these 'soft' skills could be done directly in math courses in a way that strengthens the current curriculum.

Update on the MAA's studies of calculus
David Bressoud (Macalester College) presented an update on the Mathematical Association of America's (MAA) studies of calculus. He spoke specifically about two large studies the MAA has been conducting on the study of calculus – *Characteristics of Successful Programs in College Calculus* (a five year NSF/EHR-DRL grant with two one year extensions, wrapping up next summer) and *Progress through Calculus* (just beginning).

He presented a summary of some of the data from the *Characteristics of Successful Programs in College Calculus* study, including grades; career goals; gender differences; student attitudes, confidence, enjoyment, and desire to continue; and, case studies of institutions with 'successful' Calculus I programs. Information on this study has been published by the MAA in a notes volume entitled "Insights and Recommendations from the MAA National Study of College Calculus," which was mailed to department chairs this week and available on the MAA website at www.maa.org/cspcc

His presentation on the *Progress through Calculus* study summarized the focus of this second study that began in January 2015, including the types of departments to be included, the Pre-Calculus through Calculus II sequence, multiple outcome measures and a focus on networking and observing departments that are reforming one or more courses in this sequence. Next stages in this study include a workshop immediately following this AMS COE meeting and a conference in St. Paul, MN in June 2016.

ASA education and outreach programs
Donna LaLonde (American Statistical Association) began her presentation by explaining that the American Statistical Association (ASA) has identified *education* as a strategic goal for their organization and identified four areas of focus to impact this goal: curriculum guidelines development; advocacy and dissemination; professional learning for K-16 teachers, statisticians, and journalists; and, student engagement in the practice of statistics. She went on to discuss these initiatives in more detail.

She spoke in more detail about curriculum guidelines development and mentioned several reports endorsed by ASA – *Curriculum Guidelines for Undergraduate Programs in Statistical Science* (2014), *Guidelines for Assessment and Instruction in Statistics Education* (GAISE) PreK-12 Report and College Report, and *Statistical Education of Teachers* (SET). She also spoke about programs and resources focused on professional learning and student engagement.

NSF and undergraduate mathematics education
Jim Lewis (National Science Foundation) began his presentation by discussing the current national and federal interest in improving STEM education. There have been a number of reports on this subject and

efforts to broaden participation in prioritizing STEM. It is recognized that mathematics is essential in the preparation of the STEM workforce.

He summarized the STEM goals of the NSF Director for Education and Human Resources (EHR), including: 1) the preparation of the next generation of STEM professionals and attracting/retaining more Americans to STEM careers; 2) the development of a robust research community that can conduct rigorous research and evaluation to support excellence in STEM education; 3) increasing the technological, scientific and quantitative literacy of all Americans; and 4) broadening participation and closing achievement gaps in all STEM fields.

Lewis presented some statistics on NSF-EHR funding and key areas of opportunity for impacting the improvement of STEM education, including active learning strategies. He also discussed proposal pressure for funding dollars and briefly presented some tips on submitting a successful grant proposal, mentioning the free grant proposal writing session held by the AMS and NSF prior to the start of the Joint Mathematics Meetings each year.

General Discussion

The meeting was organized purposefully to allow discussion on topics of general concern and interest. These discussions resulted in conversations related to providing research experiences for students, redesigning first year mathematics programs, the importance of supporting and rewarding instructors, and providing information and resources on how to improve student learning.

Submitted by Anita Benjamin
American Mathematical Society
November 12, 2015

Committee on the Profession
Annual Report
2015

The Committee on the Profession (CoProf) held its annual meeting on September 19-20, 2015, at the Hilton Chicago O'Hare Airport Hotel. Allan Greenleaf, University of Rochester, chaired the meeting, highlights of which are summarized below.

Regular agenda items:

- **Annual Review**: CoProf's annual review, conducted by a subcommittee, focused on identifying additional venues in which AMS prizes and awards could be presented. An agreement between the AMS and the Mathematical Association of America limits the number of prizes that may be given at the Joint Prize Session at the Joint Mathematics Meetings (JMM). As new prizes are added, it may become necessary to award some prizes in venues other than the Joint Prize Session.

  The subcommittee made two specific recommendations. The first was to award the Conant Prize in conjunction with the annual Conant Lecture at Worcester Polytechnic Institute. That institution has given informal support for such an arrangement. The second was to devote one of the five AMS Invited Addresses at JMM to a lecture by the winner of the Steele Prize for Lifetime Achievement (or a designee), with the prize awarded at the start of the Invited Address. CoProf approved both recommendations. The first will go to the Council, and the second will be considered by the Secretariat and the Committee on Meetings and Conferences.

- **New prize in stochastic theory and modeling**: CoProf was apprised of the possibility of establishing a new prize in stochastic theory and modeling. It voted to support the creation of an AMS prize in this area, with final details to be discussed by CoProf and approved by the Council. It did so with the understanding that the prize might have to be on the ECBT agenda in November 2015, in order to meet a request from the donors regarding the timing of their contributions.

- **Information Statements on the Culture of Research and Scholarship in Mathematics:** CoProf discussed possible updates to its existing information statements regarding the culture of research and scholarship in mathematics and its differences from other sciences and engineering. It suggested several changes in wording, which were incorporated into the final versions. CoProf also adopted a new statement regarding Arm's Length Letters of Evaluation, which is attached to this report. It recommended making it easier to find these statements, as well as other information for department leaders, on the AMS website**.**

- **Mathematics Programs that Make a Difference**: Each year, CoProf recognizes at most two programs that succeed in bringing and keeping "more persons from underrepresented backgrounds into some portion of the pipeline beginning at the undergraduate level and leading to advanced degrees in mathematics and professional success." The programs recognized in 2015 were the Center for Undergraduate Research in Mathematics (CURM) at

Brigham Young University and the Pacific Coast Undergraduate Mathematics Conference (PCUMC). Nominations for the 2016 award were due on September 15, 2015, and the one or two programs that are selected will be featured in the May 2016 issue of *Notices.*

- **Written Reports**: Staff reports on the following topics were included in the CoProf agenda: the Department Chairs Workshop, Membership, Employment Services of the AMS, Graduate Student Chapters, and Mathematics Research Communities.

- **JMM Panel**: CoProf will sponsor a panel at JMM 2016 entitled "Promoting mathematics to policy makers and the public." Speakers include Jordan Ellenberg, Kristin Lauter, William Massey and Sam Rankin. CoProf brainstormed about possible topics for 2017 and decided to continue the discussion by email.

- **Standing Committees**: CoProf asked the Committee on Members and Member Benefits to consider ways in which the AMS can increase members' awareness of existing AMS programs and to provide a sounding board for the new Director of Membership Development, once one has been hired. The Prize Oversight Subcommittee was asked to develop a "wish list" of new prizes.

Agenda items that were endorsed by CoProf and will be taken to the Council for consideration (in addition to the aforementioned recommendation about the Conant Prize):

- **Bertrand Russell Prize**: CoProf endorsed the proposed Bertrand Russell Prize to honor "research or service contributions of mathematicians or related professionals to promoting good in the world" and to "recognize the various ways that mathematics furthers human values."

- **Nomination procedure for the Steele Prizes**: CoProf discussed a recommendation from the Steele Prize Committee that limitations be established on the amount of material that can be submitted as part of a nomination for each of the Steele Prizes. CoProf agreed that it was reasonable to establish page limits on the nomination materials and endorsed "in spirit" the recommendation of the Steele Prize Committee regarding the material that can be submitted.

- **AMS Anti-Harassment Statement**: The current AMS Policy Statement on Sexual Harassment (www.ams.org/about-us/governance/policy-statements/sexualharassment) was approved by the Council in 1994. At its meeting in September 2014, CoProf created a subcommittee to review that statement, with the goal of possibly modifying and updating it. In September 2015, CoProf approved a new AMS Anti-Harassment Statement, which was subsequently reviewed by the Society's attorney. The final version was approved by CoProf by email.

Other business:

- **Program to improve the departmental climate for women and minorities:** The American Physical Society (APS) has programs under which institutions can request "site visits," for the purpose of improving the climate for women and minorities. Other organizations with

such programs include the American Philosophical Association and the American Astronomical Society. CoProf formed a subcommittee to study the possibility that the AMS develop a similar program.

- **CoWIM Report**: CoProf heard an oral report from the Committee on Women in Mathematics (CoWIM), which shared its views on the proposed AMS Anti-Harrassment Statement and on the "site visits" program mentioned above. Regarding the latter, it felt that the idea is worth investigating and that the next step would be for CoProf to consider the feasibility and desirability of such a program. CoWIM also recommended that one of its members serve on the Joint Committee on Women.

- **Computational Reproducibility Guidelines for Mathematics**: Currently there are no established guidelines or policies about how to submit, referee, and publish mathematical articles with significant computational components. CoProf agreed to appoint a joint subcommittee of CoProf and the Committee on Publications (CPub) – with two members from each committee -- to consider what role, if any, AMS should have in the creation of guidelines for computational reproducibility standards for the mathematical community.

- **Committee on Academic Freedom, Tenure, and Employment Security (CAFTES)**: In response to issues raised by the chair of CAFTES, CoProf established a subcommittee to review its charge, with the goal of making it more realistic.

- **Relationship between AMS and the National Security Agency (NSA)**: CoProf discussed the possibility of adding a page to the AMS website that describes the NSA grants program and the Society's role in managing the review process. CoProf responded favorably to this suggestion and left the details to be worked out by AMS staff.

- **AMS Fellows program**: CoProf considered the report of the AMS Fellows Selection Committee, which sought guidance about whether it is appropriate to elect as a Fellow someone who is currently serving in a government agency or private foundation in a policy-making capacity concerning funding of mathematics. CoProf chose not to address that issue but expressed concern that the number of Fellows currently selected annually is too small and that it may be creating ill will in the mathematical community.

- **Nominations by petition**: CoProf discussed the existing policies that govern nominations by petition and decided not to recommend any changes to the process. They felt, however, that the following statement should be removed from the Nomination by Petition instructions that are published in *Notices*: "The Council of 23 January 1979 stated the intent of the Council of nominating all persons on whose behalf there were valid petitions." CoProf did not view the statement in question as binding the Council to accept a nomination by petition.

- **Proposal that the AMS provide an institutional home for the National Alliance for Doctoral Studies in the Mathematical Sciences**: CoProf was updated about plans for the AMS's new Department of Education and Diversity, and it discussed a proposal for the AMS to provide an institutional home for the National Alliance for Doctoral Studies in the Mathematical Sciences. Members of CoProf asked about how the Alliance would fit into the

Department of Education and Diversity and what other activities that department might pursue. They also requested additional data about the track record of the Alliance. It was agreed that CoProf would continue this discussion electronically, prior to voting on the proposal. The same proposal was subsequently considered by the Committee on Education at its meeting October 2015.

- **Strategic Planning**: CoProf received an update on the AMS's strategic planning process.

- **Annual review for 2016**: CoProf discussed possible topics for its annual review in 2016 and agreed to finalize the choice by email.

- ***Next meeting***: The Committee on the Profession will hold its next meeting on September 17-18, 2016, at AMS Headquarters in Providence.

T. Christine Stevens
Associate Executive Director
November, 2015

The Culture of Research and Scholarship in Mathematics:
Arm's Length Letters of Evaluation

The culture of joint research and large collaborations differs among academic disciplines. This note is meant to describe its current state within mathematics and in the context of letters of evaluation for hiring, promotion and tenure.

Colleges and universities often require a number of external "arm's length" letters for promotion and tenure decisions. The precise meaning of arm's length varies depending on the institution, but it frequently includes the requirement that the letter writer not be a doctoral advisor, postdoctoral advisor, or *co-author* of the candidate.

Historically, most papers in mathematics were single-author, and it was rare for such papers to have more than two or three co-authors. This is no longer the case. An analysis of journal articles [1] shows that, between the periods 1999-2003 and 2009-2013, the number of papers with 2, 3 and 4+ authors increased by approximately 50%, 100% and 200%, respectively, while the number of single-author papers decreased slightly. In the more recent period, nearly 70% of the papers had more than one author, and there were more than 54,000 papers with 4+ authors. Furthermore, due to the focused collaborative nature of programs such as AIM (American Institute of Mathematics) and workshops such as WIN (Women in Numbers), an increasing number of young mathematicians now have the opportunity to work and publish multi-author papers with senior people in their field. More recently, the advent of massive collaborations, such as the Polymath Project, involve, in a way heretofore not seen in mathematics, large numbers of researchers at all ranks. An unintended consequence of these very positive opportunities, especially for those working in relatively small fields, is that their institutions' rules on letter writers may then exclude many (or even most) of the top senior people in their area from writing tenure or promotion letters on their behalf. It is understood within mathematics that senior researchers who have participated with younger mathematicians in medium-to-large collaborations are nevertheless able to provide useful assessments of their junior colleagues.

[1] Analysis of MathSciNet data by AMS staff, 2015.

(Approved by CoProf in September 2015)

Current AMS Policy Statement on Sexual Harassment

(as adopted by the June 1994 Council)

Policy Statement on Sexual Harassment

AMS endorses the American Association of University Professors 1990 statement on sexual harassment which is recorded here:

On sexual harassment [1]

It is the policy of this institution that no member of the academic community may sexually harass another. Sexual advances, requests for sexual favors, and other conduct of a sexual nature constitute sexual harassment when:

Any such proposals are made under circumstances implying that one's response might affect such academic or personnel decisions as are subject to the influence of the person making such proposals; or

Such conduct is repeated or is so offensive that it substantially contributes to an unprofessional academic or work environment or interferes with required tasks, career opportunities, or learning; or

Such conduct is abusive of others and creates or implies a discriminatory hostility toward their personal or professional interest because of their sex.[2]

Adopted by the Council in June 1994 so as to speak in the name of the Society

---

[1] For the state of the law as it pertains to sexual harassment in the employment context, see Meritor Savings Bank, F.S.B. v. Vinson, 477 U.S. 57 (1986).

[2] Faculty members and staff are cautioned against entering romantic or sexual relationships with their students; so too, is a supervisor cautioned against entering such relationships with an employee. Faculty and staff should be cautious in assuming professional responsibilities for those with whom they have an existing romantic relationship. (See also the AAUP statement on Faculty Appointment and Family Relationships.)

AMS Anti-Harassment Policy
(Draft October 2015)

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

Harassment, sexual or otherwise, is a form of misconduct that undermines the integrity of AMS activities and mission. The AMS endeavors to maintain an environment that is free of harassment. Any person aware of inappropriate conduct may file a report confidentially and anonymously to +1-855-282-5703 or at www.mathsociety.ethicspoint.com. The reporting mechanism ensures the respect of privacy while alerting the AMS to the situation.

Understanding Harassment

Harassment is belittling or threatening behavior directed at an individual or a group of people. This conduct may include, but is not limited to: epithets, slurs or negative stereotyping; threatening, intimidating or hostile acts; denigrating jokes and display or circulation of written or graphic material that disparages or shows hostility or aversion toward an individual or group.

Harassment also refers to bullying or coercion of a sexual nature. Sexual harassment can include offensive remarks about a person's gender, gender identity, or sexual preference. Harassment may include unwelcome or inappropriate promises of rewards in exchange for sexual favors. The following are examples of behavior that, when unwelcome, may constitute sexual harassment: sexual flirtations, advances, or propositions; unnecessary touching; verbal comments or physical actions of a sexual nature; sexually degrading words used to describe an individual; a display of sexually suggestive objects or pictures; sexually explicit jokes.

It is important to be aware of discomfort or offense that words or actions may cause. A teasing comment or offhand remark that may be inoffensive to some may be perceived as harassment by others. Consequently, individuals must act to ensure that their words and actions communicate respect for others, in light of the international and multicultural nature of the mathematical community. Those in positions of authority must be especially mindful of this policy since individuals with lower rank or a subordinate position may be reluctant to express their objections or discomfort regarding unwelcome behavior.

Applicability to the Profession

The AMS believes that harassment has no place in mathematics, whatever the setting. Members of the profession should refrain from such behavior as well as work towards preventing it.

New Prize Proposal

Name: The Bertrand Russell Prize of the AMS.

Prize Description: This prize looks beyond the confines of our profession to research or service contributions of mathematicians or related professionals to promoting good in the world. It recognizes the various ways that mathematics furthers fundamental human values.

Prize Details: The $5,000 prize will be awarded every three years.

About this Prize: The mission of the AMS includes

- promoting the uses of mathematical research,
- advancing the status of the profession of mathematics, and
- fostering an awareness and appreciation of mathematics and its connections to other disciplines and everyday life.

This prize, proposed and funded by Thomas Hales, is designed to promote these goals. Mathematical contributions that further world health, our understanding of climate change, digital privacy, or education in developing countries, are some examples of the type of work that might be considered for the prize.

The initial endowment will be at least $50,000.

Proposed Prize Name

Ulf Grenander Prize in Stochastic Theory and Modeling

Proposed Prize Description

The Grenander Prize recognizes exceptional theoretical and applied contributions in stochastic analysis. It is awarded for seminal work, theoretical or applied, in the areas of probabilistic modeling, statistical inference, or related computational algorithms for the analysis of complex or high-dimensional systems.

Funding

Donald McClure, David Mumford and Stuart Geman propose to fund the prize endowment fund at $50,000. Some of them wish to spread their personal contributions over two years, giving half in 2015 and half in 2016. That schedule has some effect on the timing of the first award of the prize because of the way that spendable income is determined by averaging endowment fund balances over three year-ends. The first award would be made in 2018 at the earliest, allowing time to work out details of the prize, including the fine-tuning of the prize description. When the prize fund is established, they would like to reach out to former Ph.D. students and postdocs who Ulf mentored and who they believe may want to contribute to the endowment.

Guiding Principles

I. Are there constraints on when the contribution is made?

The donors do not wish to limit the time of the contribution relative to the time of the award. Nor do they wish to impose any constraint that would favor individuals at a particular stage of their career. The award could be for a lifetime achievement in that sense, but it should be for an identifiable contribution/work.

II. What does "contribution" mean?

The donors want the words "contribution" and "work" to be interpreted broadly. The words were chosen deliberately because they do not want the prize to be limited to a published paper or monograph, though it could be. For example, the word "work" was used in the description of the Chevalley Prize so that it could honor a recognizable contribution made by an individual over time, perhaps in multiple papers.

III. Another principle that the donors have expressed is that "*this description pinpoints the areas all three of us would like to emphasize, areas that Ulf did so much for, but that we should also allow prizes in broader areas of probability, stat and stochastic analysis and their many applications. The reason is that there is no AMS prize for any of these areas.*"

Guiding principles can be incorporated in the official charge to the selection committee. The charge of the Committee on Steele Prizes is an example. It includes the exact language from Steele's will describing his bequest and it includes guidelines adopted by the AMS Council. The donors are open to suggestions by the AMS; they prepared the following professional bio of Grenander that may be of interest to the committee and others considering the prize proposal.

Ulf Grenander

Advanced Degrees

Fil. Lic., University of Stockholm, 1948
Fil. Dr., University of Stockholm, 1950
(Mathematics Genealogy Project)

Professional Appointments

Brown University, L. Herbert Ballou University Professor, 1966- , Emeritus
Swedish Institute of Applied Mathematics, Scientific Director, 1971-73
University of Stockholm, Institute for Insurance Mathematics and Mathematical Statistics, Professor and Director, 1958-66
Brown University, Professor of Probability and Statistics, 1957-58
University of Stockholm, Docent, 1953-57
University of California at Berkeley, Visiting Associate Professor of Statistics, 1952-53
University of Chicago, Visiting Assistant Professor of Statistics, 1951-52

Selected Honors

Honorary Doctorate, KTH Royal Institute of Technology, 2005
Member, National Academy of Sciences, 1996
Fellow American Academy of Arts and Sciences, 1995
D.Sc. (Honorary), University of Chicago, 1993
Honorary Fellow, Royal Statistical Society, London, 1989
Guggenheim Fellowship, 1979
Member, Royal Swedish Academy of Sciences, 1965
Fellow, Institute of Mathematical Statistics, 1953

Selected Books

Grenander, Ulf; **Rosenblatt, Murray**. Statistical analysis of stationary time series. *John Wiley & Sons, New York; Almqvist & Wiksell, Stockholm,* 1957. 300 pp. **MR0084975**

Grenander, Ulf; **Szegő, Gabor**. Toeplitz forms and their applications. California Monographs in Mathematical Sciences *University of California Press, Berkeley-Los Angeles* 1958 vii+245 pp. **MR0094840**

> **This book is reviewed in: Spitzer, F.** Book Review: Toeplitz forms and their applications. *Bull. Amer. Math. Soc.* **65** (1959), no. 2, 97--101. MR1565975

Grenander, Ulf. Probabilities on algebraic structures. *John Wiley & Sons, Inc., New York-London; Almqvist & Wiksell, Stockholm-Goteborg-Uppsala* 1963 218 pp. **MR0206994**

> **This book is reviewed in: Furstenberg, Harry**. Book Review: Probabilities on algebraic structures. *Bull. Amer. Math. Soc.* **71** (1965), no. 1, 132--135.

Grenander, Ulf. Abstract inference. Wiley Series in Probability and Mathematical Statistics. *John Wiley & Sons, Inc., New York,* 1981. ix+526 pp. ISBN: 0-471-08267-8 **MR0599175**

Grenander, Ulf. General pattern theory. A mathematical study of regular structures. Oxford Mathematical Monographs. Oxford Science Publications. *The Clarendon Press, Oxford University Press, New York,* 1993. xxii+883 pp. ISBN: 0-19-853671-2 **MR1270904**

Grenander, Ulf; **Miller, Michael I.** Pattern theory: from representation to inference. *Oxford University Press, Oxford,* 2007. xii+596 pp. ISBN: 978-0-19-929706-1; 0-19-929706-1 **MR2285439**
In addition, Grenander's classic 1950 doctoral dissertation has been republished as a monograph in several translations:
Grenander, Ulf. Stochastic processes and statistical inference. *Ark. Mat.* **1,** (1950). 195--277. **MR0039202**
(Reviewed by J.L. Doob)

Research

Ulf Grenander has published over 90 research articles and 15 authored books. His career has encompassed at least three major phases exhibiting common threads. In all phases he has placed the highest priority on developing a solid mathematical foundation and, as technology advanced, his work increasingly emphasized the role of computation.

In the first phase, statistical inference for stochastic processes was a primary focus. His landmark 1950 dissertation developed the mathematical foundations for statistical inference for continuous parameter stochastic processes. In the same research area, he coauthored the books with Murray Rosenblatt and Gabor Szegő cited above.

The second phase bridged work in abstract inference and pattern theory. His 1963 monograph on *Probabilities on Algebraic Structures* anticipated work in pattern theory concerned with probability distributions on what he called "regular structures", and his 1981 monograph on *Abstract Inference* developed general models and methods for nonparametric inference on function spaces.

Starting in 1966, he redirected the focus of his research program to Pattern Theory and its applications. "Pattern Theory" in Grenander's sense aims at describing the patterns found in all phenomena in the world – images, speech, biological structures, history, even thoughts. The theory is based on a type of graphical model and envisions synthesizing as well as analyzing patterns in each domain, describing their variability and their commonalities. Until the early 1980s, this work was primarily concerned with developing a mathematical theory for regular structures based on algebraic and probabilistic considerations. In the 1980s, he started developing areas of application of the theory to practical aspects in pattern analysis, in particular to image restoration and the analysis of medical scans. He proposed the creation of prior models of the shapes of all structures in the human body and took the first steps to carry this out. Grenander gives a high-level overview of research in pattern theory here.

9/2/15

2015 AMS Election

Nominations by Petition

Vice President or Member at Large

One position of vice president and member of the Council *ex officio* for a term of three years is to be filled in the election of 2015. The Council intends to nominate at least two candidates, among whom may be candidates nominated by petition as described in the rules and procedures.

Five positions of member at large of the Council for a term of three years are to be filled in the same election. The Council intends to nominate at least ten candidates, among whom may be candidates nominated by petition in the manner described in the rules and procedures.

Petitions are presented to the Council, which, according to Section 2 of Article VII of the bylaws, makes the nominations. The Council of 23 January 1979 stated the intent of the Council of nominating all persons on whose behalf there were valid petitions.

Prior to presentation to the Council, petitions in support of a candidate for the position of vice president or of member at large of the Council must have at least fifty valid signatures and must conform to several rules and operational considerations, which are described below.

Editorial Boards Committee

Two places on the Editorial Boards Committee will be filled by election. There will be four continuing members of the Editorial Boards Committee.

The President will name at least four candidates for these two places, among whom may be candidates nominated by petition in the manner described in the rules and procedures.

The candidate's assent and petitions bearing at least 100 valid signatures are required for a name to be placed on the ballot. In addition, several other rules and operational considerations, described below, should be followed.

Nominating Committee

Three places on the Nominating Committee will be filled by election. There will be six continuing members of the Nominating Committee.

The President will name at least six candidates for these three places, among whom may be candidates nominated by petition in the manner described in the rules and procedures.

The candidate's assent and petitions bearing at least 100 valid signatures are required for a name to be placed on the ballot. In addition, several other rules and operational considerations, described below, should be followed.

Rules and Procedures

Use separate copies of the form for each candidate for vice president, member at large, or member of the Nominating and Editorial Boards Committees.

1. To be considered, petitions must be addressed to Carla D. Savage, Secretary, American Mathematical Society, 201 Charles Street, Providence, RI 02904–2294 USA, and must arrive by 24 February 2015.
2. The name of the candidate must be given as it appears in the *Combined Membership List* (`www.ams.org/cml`). If the name does not appear in the list, as in the case of a new member or by error, it must be as it appears in the mailing lists, for example on the mailing label of the *Notices.* If the name does not identify the candidate uniquely, append the member code, which may be obtained from the candidate's mailing label or by the candidate contacting the AMS headquarters in Providence (amsmem@ams.org).
3. The petition for a single candidate may consist of several sheets each bearing the statement of the petition, including the name of the position, and signatures. The name of the candidate must be exactly the same on all sheets.
4. On the next page is a sample form for petitions. Petitioners may make and use photocopies or reasonable facsimiles.
5. A signature is valid when it is clearly that of the member whose name and address is given in the left-hand column.
6. The signature may be in the style chosen by the signer. However, the printed name and address will be checked against the *Combined Membership List* and the mailing lists. No attempt will be made to match variants of names with the form of name in the *CML*. A name neither in the *CML* nor on the mailing lists is not that of a member. (Example: The name Carla D. Savage is that of a member. The name C. Savage appears not to be.)
7. When a petition meeting these various requirements appears, the secretary will ask the candidate to indicate willingness to be included on the ballot. Petitioners can facilitate the procedure by accompanying the petitions with a signed statement from the candidate giving consent.

Nomination Petition
for 2015 Election

The undersigned members of the American Mathematical Society propose the name of

_____

as a candidate for the position of (check one):

- ☐ **Vice President** (term beginning 02/01/2016)
- ☐ **Member at Large of the Council** (term beginning 02/01/2016)
- ☐ **Member of the Nominating Committee** (term beginning 01/01/2016)
- ☐ **Member of the Editorial Boards Committee** (term beginning 02/01/2016)

of the American Mathematical Society.

Return petitions by 24 February 2015 to:
Carla D. Savage, AMS Secretary, 201 Charles Street, Providence, RI 02904-2294 USA

Name and address (printed or typed)	Signature
	Signature
	Signature
	Signature
	Signature
	Signature

Nomination Petition
for 2015 Election

The undersigned members of the American Mathematical Society propose the name of

_____

as a candidate for the position of (check one):

- ☐ **Vice President** (term beginning 02/01/2016)
- ☐ **Member at Large of the Council** (term beginning 02/01/2016)
- ☐ **Member of the Nominating Committee** (term beginning 01/01/2016)
- ☐ **Member of the Editorial Boards Committee** (term beginning 02/01/2016)

of the American Mathematical Society.

Return petitions by 24 February 2015 to:
Carla D. Savage, AMS Secretary, 201 Charles Street, Providence, RI 02904-2294 USA

Name and address (printed or typed)	Signature

American Mathematical Society
Committee on Publications
2015 Annual Meeting
SUMMARY REPORT

The annual meeting of the AMS Committee on Publications (CPub) was held on Friday and Saturday, September 18-19, 2015, at the Hilton O'Hare Airport, Chicago, IL. CPub chair Charles A. Weibel presided over the meeting.

Old Business - Updates on 2014 Actions

- ***Approval of 2014 minutes:*** The minutes of the 2014 CPub meeting were approved as drafted.

- ***Annual Report*:** CPub's 2014 Annual Report was filed in the AMS Committee Report Book as Committee Report Number 141022-021 and posted on the Committee's homepage at http://www.ams.org/ams/cpub-home.html.

- ***Council Actions*:** The January 2015 Council approved the following CPub-recommended actions:
    - Updates to the charges of the History of Mathematics Editorial Committee and the Mathematical Surveys and Monographs Editorial Committee, and
    - Consolidation of the three translation editorial committees into a new committee, the Translations of Mathematical Monographs Editorial Committee, which will become active in February 2016.

- ***Mathematics of Computation (MCOM) Editorial Committee charge*:** Changes initially approved by CPub in 2014 to the MCOM Committee charge were revised at the 2015 meeting and recommended to Council for approval. The changes include the following three revisions to update wording in the "Principle Activities" section of the MCOM charge:
    - In number 1, remove the words "the quarterly journal";
    - In number 2, replace the word "decisions" with "recommendations" and capitalize the first letter in the words "associate" and "editors"; and
    - Following the word "journal" in the last sentence of number 4, change the comma to a period and strike the words "and to maintain a repository of unpublished mathematical tables".

- ***Guidelines for New Topical Journal Proposals*:** In early 2014, CPub was asked by Council to establish a process for evaluating proposals to launch new AMS journals. Prior to CPub's 2014 meeting, a subcommittee was established to draft guidelines for reviewing new journal proposals, and these draft guidelines were later edited and approved by the full committee at the time of CPub's 2014 meeting. Officially known as the "Guidelines for Reviewing Proposals to Launch a New Topical Journal," these guidelines have since been used by CPub for evaluation of two new journal proposals: the 2014 proposal to publish the *Journal of Applied and Computational Topology* and the 2015 proposal to take over publication of the *Online Journal of Analytic Combinatorics*.

Reports

- ***Report on Journal Backlogs***
  The Committee received the following reports by attachment: "Internal Primary Journal Backlog Report," "Backlog of Mathematics Research Journals," and "Report on Steps Being Taken to Alleviate Journal Backlogs," which were presented by Associate Executive Director, Publishing, Robert Harington. The current backlog statuses for *Transactions* and *Proceedings of the AMS* were discussed as well as plans to establish and maintain healthy backlogs for AMS journals through a three-pronged approach: by systematically increasing annual page budgets, refining editorial board structures, and expanding AMS' overall capacity to publish additional content.

- ***Update on Publishing Strategy Development***
  The Committee received the report "Publishing Strategy Group: Scenario Analysis - Strategy Development" by attachment, and Associate Executive Director, Publishing, Robert Harington provided a summary of the work currently underway by the AMS Publishing Strategy Group (PSG) for all AMS publishing activities including books, eBooks, journals, electronic products and Math Reviews/MathSciNet,

- ***Report on AMS Open Access Journals***
  The Committee received the "Report on Open-Access Journals" (an updated version of Att. #7, May 2015 ECBT item 2E.6) by attachment, containing information about the current status of *Proceedings of the AMS, Series B* and *Transactions of the AMS, Series B*. A brief summary of the report was presented by Associate Executive Director Harington.

- ***Report on Mathematical Reviews***
  The Committee received the "Report on *Mathematical Reviews* to CPub" by attachment, which was presented by Mathematical Reviews (MR) Executive Editor Ed Dunne. Executive Editor Dunne also demoed some new and upcoming features of MathSciNet.

- ***Review of AMS "Other" Journals***
  Charles Weibel, chair of the subcommittee that conducted the 2015 review of the AMS "other" journals (electronic-only, translation, and distributed journals), presented the subcommittee's evaluation report. Other subcommittee members included: Walter Craig, Anatoly Libgober, and Ben Webster.

  The subcommittee's findings and recommendations are summarized below:
  - Electronic-Only Journals:
    - *Proceedings, Series B* and *Transactions, Series B* were deemed too new to evaluate, having published only 13 and 3 papers at the time of the review.
    - *Conformal Geometry and Dynamics* and *Representation Theory* are both in reasonably good shape, but AMS should increase their visibility in order to increase the number of submissions to these journals.
  - Distributed Journals:
    - The value of these journals seems non-controversial, and their quality is sufficiently respectable to endorse continuation of their distribution by the AMS.
  - Translated Journals:

- *Transactions of the Moscow Mathematical Society* provides a valuable service to the community, but AMS should monitor the percentage of articles being published in English which do not require translation.
- *St. Petersburg Mathematical Journal* maintains a relatively consistent subscription rate and seems to be worth continuing to translate and publish.
- *Sugaku Expositions* provides a valuable contribution to the community since articles published in this journal would probably not otherwise be available outside of Japan.
- *Theory of Probability and Mathematical Statistics* seems to have a fairly consistent subscription rate, but the number of editorial board members publishing in the journal raises concerns about its academic merit, and the subcommittee recommends discontinuation of this journal.

CPub endorsed the subcommittee's recommendation to discontinue the translation journal *Theory of Probability and Mathematical Statistics* and to forward that recommendation to Council.

New Business

- ***Online Journal of Analytic Combinatorics Proposal***
  In June 2015, a proposal to take over publication of the *Online Journal of Analytic Combinatorics* (OJAC) was received and forwarded to a subcommittee established by the CPub chair for evaluation. The subcommittee was tasked with reviewing the proposal according to the *Guidelines for Reviewing Proposals to Launch a New Topical Journal*, which were adopted by CPub in 2014, and making a recommendation on the proposal for consideration by the full committee at the time of CPub's annual meeting. The Committee discussed the proposal and the subcommittee's evaluation report at length and endorsed the subcommittee's recommendations that OJAC become an AMS journal and that its health be carefully reviewed when CPub conducts its next review of the non-primary AMS journals in 2019. The proposal will go forward to Council with these recommendations from CPub.

- ***Computational Reproducibility Guidelines for Mathematics***
  CPub approved a proposal from AMS Publisher Sergei Gelfand and Associate Executive Director, Meetings and Professional Services, T. Christine Stevens to establish a joint subcommittee consisting of two members each from CPub and the Committee on the Profession (CoProf) to consider what role, if any, the AMS should have in the creation of guidelines for computational reproducibility standards for the mathematical community.

  The joint CPub-CoProf subcommittee's charge is as follows:

  A subcommittee consisting of two members each from the AMS Committee on Publications (CPub) and the AMS Committee on the Profession (CoProf), should be formed with the goal of determining:

  a) Whether guidelines for the submission, refereeing, and publication of articles containing computational mathematics are needed;
  b) Whether the AMS and its policy committees are appropriate bodies to create such guidelines; and

c) If the answers to a) and b) are positive, what further steps should be taken?

It is recommended that the proposed subcommittee be formed immediately, with the goal of preparing and submitting its recommendations to AMS Publisher Sergei Gelfand and Associate Executive Director, Meetings and Professional Services, T. Christine Stevens by the end of 2015.

The subcommittee has since been established, and its work has begun. Greg Kuperberg and Sergei Gelfand have been appointed to serve on the subcommittee on behalf of CPub, and Bill McCallum (chair) and Joseph Silverman have been appointed to serve on behalf of CoProf.

Informational/Other Items

- ***New Technologies Presentation: Tizra and Lens***
  Associate Executive Director Robert Harington presented an overview and demonstration of the features of two new technologies in development for the Bookstore and online journals. AMS is working with Providence-based vendor Tizra to launch a new and enhanced online bookstore, expected to go live later this year, which will enable both print and electronic sales of content to individual purchasers and offer web-based, e-reader technology. AMS is also researching use of the browser-based, open-source tool eLife Lens to offer an enriched experience for reading journal articles online. Lens technology allows readers to explore key elements and features of an article, such as table of contents, figures, and references, as well as information about the article itself, such as the submission and publication dates, all without having to leave their current place within the text. AMS is considering use of Lens for its two gold open-access journals, *Proceedings of the AMS, Series B* and *Transactions of the AMS, Series B.*

- ***Mathematical Publishing Panel/Presentation at ECM***
  AMS is collaborating with the European Mathematical Society to organize a joint mathematical publishing panel/presentation focusing on technological innovations, electronic distribution, and topics concerning public access mandates at next summer's 7th European Congress of Mathematics (to be held in Berlin, July 18-22, 2016). Executive Director Don McClure solicited input and suggestions from the Committee for this event.

- ***2016 CPub Meeting***
  - CPub's 2016 meeting will be held Friday and Saturday, September 16-17, 2016, at the AMS Headquarters in Providence, RI.
  - The Managing Editors of the four primary journals (*Journal of the AMS, Mathematics of Computation, Proceedings of the AMS,* and *Transactions of the AMS*) will be invited to attend CPub's 2016 meeting.
  - An evaluation of the AMS Book Program will be conducted by CPub in 2016.

Sergei Gelfand
Publisher
October 20, 2015

OJAC Proposal Attachment

Summary

In June 2015, AMS received a proposal to take over the journal, *Online Journal of Analytic Combinators* (OJAC). OJAC is an independently run, open-access journal hosted on a server at the University of Rochester (http://www.math.rochester.edu/ojac/), which was launched by a group of mathematicians in 2006. The journal currently publishes roughly 6-7 articles per year, totaling about 100-120 pages, and is included in MathSciNet's indexed journals list.

The proposal to take over publication of OJAC was first evaluated by a subcommittee of the Committee on Publications (CPub), which presented its report to the full committee at the time of CPub's September 2015 meeting. Based on the subcommittee's evaluation report and subsequent discussion at its meeting, CPub moved to recommend to Council that AMS approve the proposal to take over publication of OJAC.

The proposal to take over publication of OJAC presents AMS with a unique opportunity to make progress towards its publication program goals, including publishing more high-quality mathematical content and expanding its breadth to include more non-traditional and emerging areas of mathematics. The proposed plan for acquisition of OJAC is to appoint a strong group of editors to work on expanding the journal from its current size to publication of roughly 700 pages a year and to offer it as an electronic-only AMS journal with a very modest subscription price. If Council approves the proposal, the formal business plan for launching OJAC as an AMS journal will be submitted to the May 2016 ECBT.

December 4, 2015

Sergei Gelfand
Publisher
The AMS

Attachment Table of Contents

NEW JOURNAL PROPOSAL

We have received the proposal to take over the "Online Journal of Analytic Combinatorics" (OJAC). This is an independent, free online journal launched in 2007 by a group of mathematicians and currently residing on a server at the University of Rochester. The proposal is from the current editors of the journal, Alex Iosevich (University of Rochester), Sinai Robins (National University of Singapore and ICERM), and Steven Senger (Missouri State University). Currently, the journal publishes about 6 to 7 articles (100 to 120 pages) a year. OJAC articles are reviewed in MathSciNet (OJAC is on the list of their "automatically indexed" journals). The editors believe the journal is quite successful and there is a strong potential for growth, and their main reason for approaching the AMS is that such a growth of the journal will be very difficult to maintain if it remains to be an independent journal.

The suggestion is to make OJAC a purely electronic AMS journal with a very modest subscription price and appoint a strong group of editors that would work on expanding the journal from its current size to publishing about 700 pages a year maintaining its current high quality.

In addition to the editors' original proposal, we have put together the list of all articles published in OJAC in 2007—2014, and data from MathSciNet indicating the potential for the future growth of OJAC.

June 25, 2015

Sergei Gelfand
Publisher
The AMS

PROPOSAL FOR THE ONLINE JOURNAL OF ANALYTIC COMBINATORICS TO BECOME AN AMS JOURNAL

1. INTRODUCTION

The Online Journal of Analytic Combinatorics (OJAC) was launched in 2007 in response to the burgeoning need to accommodate the rapidly growing community of mathematicians working on problems involving the interaction of techniques from geometric combinatorics, harmonic analysis and analytic number theory. Inspired by groundbreaking ideas of Bourgain, Christ, Gowers, Green, Kantorovich, Katz, Nathanson, Sarnak, Tao, Wolff and others, who weaved analytic, combinatorial and number theoretic ideas into a seamless symbiosis, hundreds of mathematicians during the past 20 to 25 years broke the traditional boundaries of their fields of study, opening new frontiers and exciting opportunities.

In particular, over the last 15 years, as the number of mathematicians developing the increasingly interesting interactions of analysis, combinatorics and number theory increased, they quickly encountered problems that befall most if not all interdisciplinary areas. Besides the harmless, albeit troublesome and ceaseless question about which field exactly they work in, practitioners of analytic combinatorics ran into periodic problems publishing their papers in traditional journals. For one thing, the pool of referees and editors who understood these interdisciplinary interactions was quite small and sporadically located throughout various journals. It was clear that the need to have such a journal, devoted to these strong results in analytic combinatorics, had arrived.

As an example of the latter phenomenon, all of the founding members of OJAC have at some point or another received emails from journals politely explaining that they have difficulty evaluating the paper because the first referee did not understand the analytic part of the paper, while the second is unsure about the combinatorial portion.

Another reason for the founding of OJAC was to address the growing cost, and lack of accessibility, of many mainstream journals. From the very beginning of OJAC, the goal was to eventually put the journal under the auspices of a major publisher who can hopefully address our concerns about cost and access. We have grown as much as we can as an independent online journal and we strongly feel that the key to further expansion is partnership with the AMS. The stellar reputation of the American Mathematical Society publishing branch, manageable costs, lack of bloated bureaucracy and outstanding staff convinced us that AMS is the right home for OJAC.

2. PAST, CURRENT AND FUTURE PUBLICATIONS

The journal has so far published 10 issues, with the total of 58 research papers, and several expository articles. Among these are some well-known first-rate papers, such as “Ergodic-theoretic implementations of the Roth density-incriment argument” by Tim Austin, “Restricted arithmetic progressions over finite fields by Brian Cook and Akos Magyar, “On a theorem of Shkredov” by Tom Sanders, “Polynomial largeness of sumsets and totally ergodic sets” by Alexander Fish, “On the Signed Small Ball Inequality” by Dimitry Bilyk, Michael Lacey and Armen Vagharshakyan, “On the Decay of the Fourier Transform and Three Term Arithmetic Progressions” by Ernie Croot, and “On the determination of sets by their triple correlation in finite cyclic groups” by Tomas Keleti and Mihalis Kolountzakis.

If the journal will become an AMS journal, we expect that in three to four years it will be publishing between 30 and 40 research papers and expository articles, with a total of 700 to 800 pages a year.

3. Structure and composition of the Editorial Board

We propose that the Online Journal of Analytic Combinatorics, once it moves under the auspices of the American Mathematical Society, is to have one Managing Editor (Alex Iosevich, University of Rochester), two Associate Managing Editors (Sinai Robins, National University of Singapore and ICERM, and Steven Senger, Missouri State University), five Editors, and approximately 20 Associate Editors. (See Section 4 below for the description of the process of disposition of the submitted papers.) It is proposed that Associate Editors will inherited from the current version of the journal, while the Editors will be newly appointed. More explicitely, we suggest the following:

Editors. The following mathematicians have agreed, if officially asked, to serve as editors of OJAC.

- Jacob Fox (Stanford University)
- Ben Green (University of Oxford)
- Bryna Kra (Northwestern University)
- Benny Sudakov (ETH Zurich)
- Izabella Laba (University of British Columbia)

Associate Editors. We suggest to have a large group of associate editors in view of the fact that OJAC is dedicated to the symbiosis of many different areas of mathematics.

- Imre Barany (Renyi Institute, Budapest) Combinatorics, Convex Geometry
- Matthias Beck (San Francisco State University) Combinatorics, Number Theory
- Dmitry Bilyk (University of Minnesota) Harmonic Analysis, Discrepancy Theory
- Peter Borwein (Simon Fraser University) Number Theory
- Gautam Chinta (City College of New York) Analytic Number Theory
- Ernie Croot (Georgia Institute of Technology) Additive Combinatorics
- Michael Drmota (Vienna University of Technology) Combinatorics of Random Structures
- Timothy Gowers (Cambridge) Harmonic Analysis, Functional Analysis, Combinatorics
- Andrew Granville (Montreal) Analytic Number Theory, Additive Combinatorics
- Paul Gunnells (University of Massachusetts Amherst) Combinatorial Optimization
- Jeff Hoffstein (Brown University) Number Theory
- Steve Hofmann (University of Missouri) Harmonic Analysis, Geometric Measure Theory
- Mihyun Kang (Graz University of Technology) Graph Theory
- Nets Katz (California Institute of Technology) Harmonic Analysis, Combinatorics
- Mihalis Kolountzakis (University of Crete) Harmonic Analysis, Additive Combinatorics
- Michael Lacey (Georgia Tech) Harmonic Analysis, Discrepancy Theory
- Victor Hugo Moll (Tulane University) Analytic Number Theory

- Melvyn Nathanson (City University of New York) Additive Combinatorics
- Ken Ono (Emory University) Number Theory
- Robin Pemantle (University of Pennsylvania) Combinatorics
- Jim Propp (University of Massachusetts Lowell) Number Theory
- Igor Rivin (Temple University) Number Theory
- Misha Rudnev (University of Bristol) Additive Combinatorics
- Eric Sawyer (McMaster University) Harmonic Analysis, PDE
- Richard Schwartz (Brown University) Geometry
- Ilya Shkredov (Moscow State University) Additive Combinatorics
- Jozsef Solymosi (University of British Columbia) Additive Combinatorics
- Ana Vargas (University of Madrid) Harmonic Analysis
- Julia Wolf (University of Bristol) Additive Combinatorics, Harmonic Analysis
- Trevor Wooley (University of Bristol) Analytic Number Theory

4. THE DECISION MAKING PROCESS

When a new paper arrives, it is picked up by the Managing Editor or one of the Associate Managing Editors. The paper is then sent to the appropriate Editor who makes the initial evaluation of the submission and, if appropriate, solicits reports from at least two referees. In doing so, the Editor is advised to use the assistance of one or more appropriate Associate Editors. Once the referee reports are received, the Editor makes a recommendation to the Managing Editor. If the recommendation of the Editor is negative, the paper is generally rejected. If the Editor recommends acceptance, the paper is forwarded to the all other Editors and the final decision is reached by unanimous consensus of the Editors and the Managing Editor.

5. POTENTIAL POOL OF AUTHORS

Potential authors, based on our previous 10 years of experience with OJAC, will be composed of:

- Combinatorialists who have an analytic flavor, which includes ideas from asymptotic analysis, harmonic analysis, complex analysis, and real analysis.
- Analysts who have a combinatorial flavor.
- Geometers who work in discrete geometry and/or computational geometry.
- Analytic number theorists with a combinatorial flavor.
- Computer scientists who are interested in combinatorial analysis.

6. INTENDED READERSHIP

This journal is directed towards mathematicians working at the interface of combinatorics, analysis and number theory. It is also intended for those mathematicians and scientists who are interested in the connections between those areas, as well as applications to data sciences.

The potential readers of OJAC includes all mathematicians with an interest in analysis, combinatorics, number theory, discrete geometry, computational geometry, combinatorial geometry, and computer science. Because of the eclectic nature of our journal, it appeals to a large swath of the Mathematics community, as well as the computer science community.

7. Competition

There is no other journal currently in existence that meets the needs of the growing community of mathematicians working at the interface of analysis, combinatorics and number theory. Perhaps the closest journal is the Electronic Journal of Combinatorics. This excellent journal has both the online and printed component and publishes papers in most areas of combinatorics. While Electronic Journal of Combinatorics has published some very strong papers, in our opinion it has neither the necessary expertise nor commitment to the symbiosis of the aforementioned fields of mathematics.

8. Key meetings and conferences in the field

The most important regularly held conference to a large extent dedicated to the subject matter covered by OJAC is Combinatorial and Number Theory (CANT) conference organized at the City University of New York Graduate Center every year the week before Labor Day by Melvyn Nathanson. It is precisely at one of these conference, CANT 2006, where the idea to create OJAC arose in a conversation among the three founding editors. Over the years this conference has been a source of much inspiration for people working at the interface of combinatorics, number theory and analysis. A significant portion of the editorial board of OJAC have spoken at CANT conferences over the years.

The following lectures at the 2014 International Congress of Mathematics are particularly relevant to the raison d'etre of OJAC: "Small gaps between primes" (number theory) by Dan Godston and Cem Yidrim, "Translation invariance, exponential sums, and Waring's problem" (number theory) by Trevor Wooley, "Some problems in analytic number theory for polynomials over a finite field (number theory) by Zeev Rudnick, "Linear equations in primes and dynamics of nilmanifolds" (number theory) by Tamar Ziegler, "The flecnode polynomial: a central object in incidence geometry" (analysis) by Nets Katz, "Harmonic analysis and the geometry of fractals" (analysis) by Izabella Laba, "Roth's theorem: an application of approximate groups" (analysis) by Tom Sanders, "Geometric intersection patterns and the theory of topological graphs" (combinatorics) by Janos Pach, "Combinatorial Problems in Random Matrix Theory" (combinatorics) by Van Vu, and "The graph regularity method: variants, applications, and alternative methods" (combina- torics) by Jacob Fox. Two of the plenary lectures, "O-minimality and Diophantine geometry" by Jonathan Pila and "Mathematics of sparsity (and a few other things)" by Emanuel Candes are also especially relevant.

9. Proposed reviewers

The following people would make excellent reviewers for this proposal.

- Alex Kontorovich (Rutgers University)
- Larry Guth (MIT)

- Tamas Keleti (Renyi Institute, Budapest, Hungary)

Alex Iosevich, Sinai Robins, Steven Senger

Online Journal of Analytic Combinatorics
Table of Contents by Volume 2006-2015

Volume 1 (2006)

Articles

Sums of squares and triangular numbers
Hershel M. Farkas

Fixed points of maps on the space of rational functions
Edward Mosteig

A remark on Bourgain's distributional inequality on the Fourier spectrum of Boolean functions
Hamed Hatami

On the determination of sets by their triple correlation in finite cyclic groups
Tamas Keleti, Mihail N. Kolountzakis

Lebesgue constants of multiple Fourier series
E. R. Liflyand

Volume 2 (2007)

Articles

On a balanced property of compositions
Miklós Bóna

On an argument of Shkredov on two-dimensional corners
Michael T. Lacey, William McClain

On the recursion relation of Motzkin numbers of higher rank
Matthias Schork

Combinatorial sequences arising from a rational integral
Victor H. Moll

New combinatorial interpretations of some mock theta functions
A. K. Agarwal

On the decay of the Fourier transform and three term arithmetic progressions
Ernie Croot

Volume 3 (2008)

Articles

Slices, slabs, and sections of the unit hypercube

Jean-Luc Marichal, Michael J. Mossinghoff

An elementary proof of Thomae's formulae
Amichai Eisenmann, Hershel M. Farkas

Garaev's inequality in finite fields not of prime order
Nets Hawk Katz, Chun-Yun Shen

An extension of Behrend's theorem
Paul H. Koester

Longest alternating subsequences in pattern-restricted *k*-ary words
Toufik Mansour

On the signed small ball inequality
Dmitriy Bilyk, Michael Lacey, Armen Vagharshakyan

The discrepancy of a needle on a checkerboard
Mihail N. Kolountzakis

Volume 4 (2009)

Articles

Analytic extension of hyperharmonic numbers
Istvan Mezo

The asymptotic volume of the Birkhoff polytope
E. Rodney Canfield, Brendan D. McKay

Avoiding permutation patterns of type (2, 1) in compositions
Silvia Heubach, Toufik Mansour, Augustine Munagi

On sumsets of dissociated sets
Shkredov I.D.

Hankel operators plus orthogonal polynomials yield combinatorial identities
E. A. Herman

On the average profile of symmetric digital search trees
Charles Knessl, Wojciech Szpankowski

Integral orthogonal bases of small height for real polynomial spaces
Lenny Fukshansky

Volume 5 (2010)

Articles

Adelic constructions of low discrepancy sequences
Mordechay B. Levin

Some implications of Chu’s $_{10}\psi_{10}$ extension of Bailey’s $_6\psi_6$ summation formula
James McLaughlin, Andrew Sills, Peter Zimmer

Popular difference sets
Tom Sanders

On a theorem of Shkredov
Tom Sanders

On Fuglede's conjecture for three intervals
Debashish Bose, C. P. Anil Kumar, R. Krishnan, Shobha Madan

Statistics on permutations
Toufik Mansour, Yidong Sun

Geometric construction of metaplectic covers of GL_n in characteristic zero
Richard Hill

Volume 6 (2011)

Articles

Automatic asymptotics for coefficients of smooth, bivariate rational functions
DeVries Timothy, Joris van der Hoeven, Robin Pemantle

Centrosymmetric words avoiding 3-letter permutation patterns
Luca S. Ferrari

Enumerating finite set partitions according to the number of connectors
Toufik Mansour, Mark Shattuck

Asymptotics of coefficients of multivariate generating functions: improvements for multiple points
Alexander Raichev, Mark C. Wilson

Some properties of a new class of generalized Cauchy numbers
Feng-Zhen Zhao

Volume 7 (2012)

Articles

On restricted arithmetic progressions over finite fields
Brian Cook, Akos Magyar

Asymptotic probability distributions of some permutation statistics for the wreath product $C_r \wr \mathfrak{S}_n$
Chak-On Chow, Toufik Mansour

Counting fixed-length permutation patterns
Cheyne Homberger

Volume 8 (2013)

A probabilistic interpretation of a sequence related to Narayana polynomials
Tewodros Amdeberhan, Victor Hugo Moll, Christophe Vignat

Generalization of a statistic on linear domino arrangements
Toufik Mansour, Mark Shattuck

Lattice point counting and height bounds over number fields and quaternion algebras
Lenny Fukshansky, Glenn Henshaw

Euler-Frobenius numbers and rounding
Svante Janson

Ergodic-theoretic implementations of the Roth density-increment argument
Tim Austin

Volume 9 (2014)

Articles

Sum of positions of records in random permutations: asymptotic analysis
Guy Louchard

Enumerating graph depletions
Byron C. Jaeger, Thomas M. Lewis

Counting pairs of words according to the number of common rises, levels, and descents
Toufik Mansour, Mark Shattuck

On computational complexity of plane curve invariants
Fedor Duzhin, Tao Biaoshuai

Recurrence and non-uniformity of bracket polynomials
Matthew C. H. Tointon

The expected shape of random doubly alternating Baxter permutations
Theodore Dokos, Igor Pak

Multiple isolation of nodes in recursive trees
Markus F. Kuba, Alois Panholzer

Volume 10 (2015)

Asymptotics of the Eulerian numbers revisited: A large deviation analysis
Guy Louchard

Note on the coefficients of rational Ehrhart quasi-polynomials of Minkowski-sums
Martin Henk, Eva Link

On rapid generation of SL2(Zq)
Jeremy Chapman, Adriano Marzullo

Six proofs for an identity of the Lah numbers
Bai-Ni Guo, Feng Qi

Expository-research papers

Squaring and not squaring one or more planes
Frederick V. Henle, James M. Henle

MathSciNet® (MSN) DATA 2012-2014

MSC #	MSC Description	# Articles in MSN 2012-2014	Percent of all MSCs in MSN 2012-2014*
05A	Enumerative combinatorics	1,049	0.37%
05C	Graph theory	9,819	3.51%
37A	Ergodic theory	450	0.16%
11H	Geometry of numbers	72	0.03%
05D	Extremal combinatorics	267	0.10%
11P	Additive number theory; partitions	282	0.10%
42B	Harmonic analysis in several variables	1,508	0.54%
	Totals:	**13,447**	**4.81%**

***Total number of journal articles archived in MathSciNet® for all MSCs for 2012-2014 = 279,820**

2015 Report of the AMS CPub Subcommittee
Reviewing the Proposal to take over the Electronic Journal OJAC

In June 2015, the AMS received a proposal from the Managing Editors of the *Online Journal of Analytic Combinatorics* (OJAC), that the AMS adopt this journal. This would mean that OJAC would become an online AMS journal in the same way that *Representation Theory* and *Conformal Geometry and Dynamics* are.

Part of the charge of the Committee on Publications (CPub) is that "When appropriate, the committee should recommend to Council changes in policy or other actions that might support and improve the AMS publication program and scholarly publishing more generally." To this end, CPub has been asked to review a proposal that the AMS adopt the *Online Journal of Analytic Combinatorics* (OJAC). Following the Guidelines that CPub approved at its 2014 meeting, a subcommittee was formed to review this proposal (Attachment: CPub-New-Topical-Journal- Guidelines.pdf). It consisted of Sergei Gelfand, Michael Larsen, Amber Puha and Charles Weibel.

Procedures:

As required by the Guidelines, the proposal provided information on the current journal, including the table of contents for 2006-2015, and MathSciNet MSC Data 2012-2014 (Attachments: OJAC- TOCs.pdf and MathSciNet MSC Data 2012-2014.pdf) about the pool of authors for the areas covered by this journal. The Subject Classifications covered by this journal are: 05A,C,D (Combinatorics), 11H,P (additive number theory and its geometry), 37A (Ergodic theory), and 42B (harmonic analysis). Altogether, publications in these areas make up almost 5% of all publications indexed by MathSciNet.

We did several internet searches for information about the journal. This journal has been publishing since 2006, and is still receiving submissions, although its website is currently in transition. The previous website was owned by an editor who resigned.

We also obtained informal opinions from experts Terry Tao (UCLA), Tim Gowers (Cambridge), Mark Ward (Purdue), and Alex Kontorovich (Rutgers). We also asked Miklos Bona (Florida), but he did not respond. In addition, we talked directly to Alex Iosevich about the history of the journal and the current submission rate of articles.

The subcommittee considered the following factors, listed by the Guidelines as being the most crucial:

- Whether the proposed journal is important/useful for the general mathematical community or to a significant portion of this community.

- Whether the pools of authors and readers are substantial and stable enough to support a journal.

- Whether other publication venues already exist that adequately support the target mathematical community.

Findings:

It seems clear that the answers to (b) and (c) are 'yes' and 'no.' This journal has been publishing about 5 papers per year since 2006, and no other journal specializes in this area. (At present, papers in this area appear scattered across many different kinds of journals, including general purpose math, combinatorics and discrete math, analysis, ergodic theory—even computer science and physics.) From our review of the titles of articles in OJAC, it seems that there has been a drift in area coverage, away from arithmetic combinatorics and towards the interests of the active editors. Presumably that would change with an editorial board selected by the AMS Editorial Boards committee.

However, the answers to (b) and (c) could change in the short-term. There is a project by Gowers and Tao to create an "overlay journal" in arithmetic combinatorics. The ad hoc term "overlay" means that articles will reside on arXiv; only a table of contents of refereed and accepted articles will be published. According to Gowers, the "launch date" might be in February or March of 2016. According to Kontorovich, this overlay journal may well siphon off many of the best articles that might otherwise go to OJAC. On the other hand, it is unclear how the innovative notion of an overlay journal will be accepted by the community (including administrators considering promotion cases).

The answer to (a) is also unclear, given the overlay journal project. (The issue is the difference between 'is useful' and 'will remain useful.') Certainly, the subcommittee is agreed that having some journal in analytic/additive combinatorics is important and useful for the mathematical community. If the overlay journal succeeds, then the importance of OJAC to the mathematical community will be reduced.

The concern was raised that the reputation of AMS journals might suffer if it adopted OJAC and OJAC turned out to be short-lived. We believe this is not the case, since this has happened before. In 1995, the AMS launched a general purpose journal called *Electronic Research Announcements* (ERA), but discontinued it in 2007.

Recommendation:

Because the overlay journal does not yet exist, and its success is uncertain, the majority view of the subcommittee is that CPub should recommend that OJAC become an AMS journal. The subcommittee does feel it important to carefully review the health of this journal in 2019, when CPub will conduct its next review of the non-primary AMS journals.

AMS Committee on Publications (CPub)
Guidelines for Reviewing Proposals to Launch a New Topical Journal

We expect that proposals will be submitted to the AMS at times that are convenient for the proposers, yet they must be reviewed carefully within the AMS calendar. For proposals submitted by April 1 of each year, recommendations should be finalized at the fall CPub meeting and presented to the AMS Council at the annual January meeting.

The considerations below provide guidelines on how to process and review individual proposals to launch a new topical journal; i.e., a journal specializing in some area of mathematics.

A. Possible reasons to start a new journal include, among others, the following:
   - To provide a home for papers in a new or expanding area of pure or applied mathematics, where no dedicated publication already exists.
   - To provide an additional publication venue for papers in an active field of mathematics or for papers of a particular type or quality.
   - To provide a new home for an existing journal that wants to change publisher (due to various problems, such as policy disagreements between the editorial board and the publisher).

B. A proposal to launch a new journal should include the following material:
   - Description of the journal, its scope, intended readership, etc.
   - Information about the main competitors; how do they differ.
   - Data clarifying the potential pool of authors (obtained, for example, using Math Reviews data).
   - Data about the potential audience. This includes: the pool of potential readers (although this might be difficult to obtain); names of relevant leading academic and research institutions in which these readers are based.
   - Information about key meetings and conferences in the field.
   - Opinion from independent reviewers about the quality/importance and viability of the proposed journal.
   - Suggestions about how the work of the editorial board may be organized: how many (managing) editors, their specialty, what the role of the other editors will be (will they be corresponding editors or reviewers).
   - Suggestions for the possible composition of the editorial board
   - Suggestions on the frequency/size of the journal and type of articles to be published (research, survey, short notes).
   - Suggestions on the delivery media (print vs electronic vs hybrid); suggestions on whether it should be an open access journal.
   - When available, information about funding of relevant research by NSF and other agencies.

C. When reviewing a proposal the following factors are among the most crucial:
   - Whether the proposed journal is important/useful for the general mathematical community or to a significant portion of this community.
   - Whether the pools of authors and readers are substantial and stable enough to support a journal.
   - Whether other publication venues already exist that adequately support the target mathematical community.

Iosevich's Response to Additional Questions Regarding the OJAC Proposal

Below are some follow-up questions from the AMS Publisher along with Iosevich's responses:

Q. Why do the editors believe that they can increase from 150 pages a year to 700 pages a year in two to three years? Please explain.

A. *For almost 10 years, the journal has been run by a small group of editors doing all the work from getting initial submissions to posting accepted and revised articles online. We simply haven't had time to process more than 150—200 pages a year. This has forced us to decline many good submissions which otherwise could definitely be accepted.*

Also, a number of potential authors mentioned that they would be much more likely to submit a paper to OJAC if it is affiliated with an established publisher (like the AMS) since this will make the paper more visible to the mathematical community.

I expect that with the editorial and administrative support of the AMS there we will no problem increasing the number of published pages to about 700 per year.

Q. Why are there authors who published an article every year even though there are so few slots?

A. *Indeed, there are several prominent authors who took an interest in OJAC and submitted a paper every year in an effort to help the journal. We could not decline such papers just because the authors have published in the journal in previous years.*

Q. Is it true that all the proposed editors (especially the main editors) agreed to serve if OJAC becomes an AMS journal and their appointments are approved by the AMS president?

A. *Every proposed editor, including the main editors, agreed to serve if the journal is confirmed. This is an important point for us since it is at the heart of the basic ethical principles every mathematician must adhere to.*

December 3, 2015

Sergei Gelfand
AMS Publisher

Evaluation of *Theory of Probability and Mathematical Statistics*
(As excerpted from the 2015 Report of the AMS CPub Subcommittee Reviewing the Electronic Only, Translation, and Distributed Journals [September 2015 CPub Agenda, Attachment 4])

Charge to the Subcommittee

The Committee on Publications (CPub) conducts detailed periodic reviews of the various publication activities of the Society. This year CPub's task was to evaluate the non-primary journals distributed by the AMS:

- E-only journals (published in electronic-only format);
- Translation journals (translated, but not originally published, by AMS); and
- Distributed journals (produced by others but sold by the AMS).

For the E-only journals, our charge is to evaluate the journals, based on criteria similar to those used to evaluate the four primary research journals of the AMS in 2014 (i.e., to evaluate the journals to determine their overall health and how effectively they are serving the needs of the AMS and the mathematical community).

For translated and distributed journals, where the content is neither controlled nor produced by the AMS, our charge is to judge (after deliberation) whether this is a scientifically worthy activity for the AMS, and whether it reflects well on the Society.

Procedures
To compile this report, the subcommittee relied heavily on data provided by the AMS and the results of two web-based surveys.

For the translation journals, we collected information about:

1. Subscriptions: Number of subscriptions for each of the last 5 years.
2. Quality: Math Citation Quotients (MCQ) were collected for 2013 and 2014. They are almost identical.
3. Reputation: For each journal, we randomly selected a pool of about 100 AMS members. A few had opted out of participating in surveys via Survey Monkey, and the overall response rate was between 10% and 15%. We asked if they had ever heard of the journal, and what their opinion of it was. However, as we only had 10-15 responses for these journals, the results are not statistically meaningful. These surveys were conducted in early June 2015.

Findings:
Theory of Probability and Mathematical Statistics (TPMS) seems to be a niche journal. It has had a fairly constant rate of about 180 subscriptions. However, very few articles in TPMS are cited by papers in other journals (our data is not reliable here, but the MCQ for 2014 is listed at 0.02). Of the 13 people who responded to our survey, 2/3 had never heard of the journal, and all 4 of the responders who knew of the journal rated it as above average or "one of the best."

The subcommittee also noticed that a troubling number of the articles in TPMS are written by members of the editorial board. Here is a table covering 2012 (v.84/85), 2013 (v.86/87), and

2014 (v.88/89); it shows that editors were authors of 33 out of the 92 articles, including 7 articles by the Editors-in-Chief.

	2012		2013		2014	
Volume #	**84**	**85**	**86**	**87**	**88**	**89**
Total # articles/volume	16	16	15	15	15	15
# by Editorial Board	5	2	7	4	7	8

TPMS RECOMMENDATION:
It is not clear to the subcommittee what purpose is served by the continued translation of this journal. The subcommittee recommends discontinuation of this translation journal, based on academic merit.

MREC Annual Report for 2015

The committee met on October 12, 2015 at the MR Offices in Ann Arbor, Michigan. There have been new appointments in all divisions, many of whom the committee met during its office tour.

Don McClure proposed and MREC endorsed the following suggested small modification of the MREC Charge:

Under "Miscellaneous Information", replace the sentence, "Traditionally, one member of the committee has been from the Ann Arbor campus, the University of Michigan and has chaired the committee (there have been exceptions)," with the sentence:

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

The rationale is that the tradition of a chair from the University of Michigan has fallen out of use in recent years.

Ed Dunne provided an update on MR activities, emphasizing the work on updating the structure and management of the database through the introduction of Elasticsearch.

The committee endorsed, in principle, the addition of certain series to the Reference List, even though they are not journals. Specific collections would be approved on a case-by-case basis. A list of 16 journals was recommended for addition to the RLJ collection. MREC approved 14 of these, tabling action on two pending further information.

During the first portion of the Executive Session, Dunne presented the draft report of the MR Strategic Planning Group. The committee received this positively, and advised that priorities be established soon for the numerous initiatives recommended in the report. MREC was pleased to observe that the mood of the staff and associate editors continues to appear good, in general, although the workload continues to increase and additional hires would be welcomed, especially as the new initiatives proposed in the Strategic Planning Report begin to be implemented.

Submitted by
Ronald Solomon

Report on the 2015 Annual Meeting of the Mathematical Reviews Editorial Committee

The 2015 annual meeting of the Mathematical Reviews Editorial Committee (MREC) was held on Monday, October 12, in the Mathematical Reviews offices in Ann Arbor, Michigan. In attendance were committee members: Andreas Frommer, Cameron Gordon, Barbara Keyfitz, Jeffrey Lagarias, Shigefumi Mori, Ronald Solomon (Chair), Donald McClure (AMS Executive Director) and Zbigniew Nitecki (AMS Associate Treasurer). Also present were: Danny Calegari (scheduled to join MREC in February 2016), Edward Dunne (MR Executive Editor), Norman Richert (MR Managing Editor) and MR Associate Editors: Andrés Caicedo, Dean Carlson, Chris Elmer, James Epperson, Robert Hladky, Guo Ying Jiang, Michael Jones, Tadeusz Jozefiak, Vasilii Kurta, Milan Lukic, Lon Mitchell, Victor Protsak, Margaret Stawiska-Friedland.

The meeting began after a tour of the Mathematical Reviews building.

1. *MREC Membership.* Cameron Gordon will rotate off the committee in January 2016, before the next meeting of MREC. Danny Calegari has been appointed to be his replacement. In January 2017, Ron Solomon will complete his second term on the committee and will rotate off.

2. *Date of Next Meeting***.** The next MREC meeting will be Monday, October 10, 2016.

3. *Approval of the Minutes of the 2014.* The minutes of the meeting held on October 13, 2014 were approved with no changes.

4. *MREC: Charge to the committee.* The charge for MREC has not updated for several years. MREC reviewed the current charge and unanimously approved the motion to recommend to Council that the sentence: *Traditionally, one member of the committee has been from the Ann Arbor campus, the University of Michigan and has chaired the committee (there have been exceptions).* be replaced by *Traditionally, one member of the committee has been from the Ann Arbor campus of the University of Michigan.* This will be sent to Council, via the AMS Secretary.

5. *Update on MR Activities***.** Dunne highlighted recent activities, including: the public author profile page, an upcoming feature for author names in native script on profile pages, activities related to the development of APIs for MathSciNet, moving from Lucene to Elasticsearch

6. *Subscription Information.* McClure reported on current subscription rates and recent trends for subscriptions, including the MathSciNet for Developing Countries Program (MDC). There are now 45 countries now participating in the MDC for MathSciNet.

7. *MR Database Statistics* Norman Richert, Managing Editor, presented statistics concerning the growth in the number of items in the MR Database.

** At this point, the MR Associate Editors joined the meeting.*

8. *Marginal journals.* There was a discussion of the difficulty in distinguishing between journals with little or no mathematics from those with some mathematical content, but from mathematicians who were isolated geographically, topically, or otherwise.

9. *Adding collections to the reference list program.* Some collections and series have many of the hallmarks of journals and are publishing papers of comparable quality to the papers in reference list journals. MREC discussed the possibility of adding collections or series to the reference list program, and encouraged the MR staff to look further into the logistics and ramifications of adding certain collections to the reference list program.

10. *Reference List Journals.* MR editors presented a list of 16 journals to MREC for addition to the reference list program. One journal had been approved mid-year by MREC. Thirteen other journals were also approved. The decisions on two journals were postponed for a year.

11. *Review of MR Editorial Statement***.** MREC reviewed the MR Editorial Statement, voting unanimously to modify it as follows. Replace the sentence

    Author names appearing in items added to the MRDB are given special attention; this, in particular, enables users of MR information to retrieve the publications of a given individual.

    by

    Identification of author names appearing in items added to the MRDB is given special attention; this, in particular, enables users of MR information to retrieve the publications of a given individual.

12. *MR-zbMATH News***.** Dunne presented data on Mathematical Reviews and zbMATH coverage. It was noted that MR tends to be more prompt in covering the literature, but that zbMATH eventually catches up. It was also noted that in most applied areas, coverage by MR is at least as good as coverage by zbMATH, with the exception of Computer Science.

Edward Dunne
Executive Editor
Mathematical Reviews
October 24, 2015

To: AMS Council
Via: AMS Committee on the Profession
From: AMS Fellows Program Selection Committee
Re: Annual Report
August 9, 2015

The AMS Fellows Program Selection Committee is charged with annually selecting a class of new AMS Fellows from among nominations received. This year, the Committee was given a target of 50 new Fellows by action of the Council. The committee agreed on the list of 50 that appears at the end of this document, together with appropriate citations.

On the basis of these discussions, we would also like some changes made to the call for nominations and also some more direction within the charge of the committee.

First of all, the committee would request the AMS Secretary to encourage all of those who take part in the nomination of a fellow to actually describe (briefly) their reasons for doing so, adding a remark like "failure to provide a supporting statement which accompanies your endorsement of the nomination may be interpreted negatively by the selection committee". Also, we would request that for cases that are continued from an earlier year, the nominator update the nominee's CV and modify the nomination if the case significantly changed.

This is especially important in light of the fact that it does not seem feasible for the committee to include people from every area of mathematics. In addition, we feel that we lack expertise in our committee to make judgments about quality of research in areas outside of mathematics itself, where the issue is not (a variant of) the quality of the theorems proved. In areas where our coverage was thin (both within mathematical research and outside of it), we were unpleasantly dependent on the nominator's descriptions of the work. It is conceivable that the committee would also benefit from a slight increase in size to have more internal expertise, although it is already extremely difficult to find times when a majority of the committee can meet.

Secondly, the committee followed the same policy as last year regarding conflicts of interest. The committee seeks advice from the Committee on the Profession and/or the Council on whether it is appropriate

to elect as a Fellow any person who is currently serving in a government agency or private foundation in a policy-making capacity concerning funding of mathematics (either general policy decisions, or specific funding decisions such as are made by grants officers).

The committee was concerned about whether the AMS as an organization, and its membership as individuals are conflicted with such people. A distinct (but related) issue is that giving a fellowship to such people as it might appear to be an endorsement of specific policies, and the views regarding this point within our committee went from disagreement to agnostic to support (in situations where such policies are known and viewed as being beneficial to the profession).

We would appreciate guidance regarding these points for future years. Indeed, almost all decisions were made by consensus, while these issues involved close votes.

2015 Fellows Selection Committee Members: David J Aldous, Matthew H. Baker, Henry L. Cohn, Jane Gilman, John M Guckenheimer, Christopher Derek Hacon, Mark Kisin, Bryna Kra, David R. Morrison, Andrea R Nahmod, Jill Catherine Pipher, Shmuel Weinberger (CH)

2014 ANNUAL REPORT OF THE AMS-ASA-MAA-SIAM DATA COMMITTEE

Prepared by AMS Staff with William Velez, Chair, AMS-ASA-MAA-SIAM Data Committee,
Distinguished Professor, Department of Mathematics, University of Arizona, Tucson, AZ,
velez@math.arizona.edu
December 31, 2014

The Annual Survey Data Committee guides the collection and dissemination of data on matters of concern to the mathematical sciences community. The committee held its annual meeting during the Joint Mathematics Meetings in Baltimore, MD in January 2014. The committee discussed data gathered and published during the previous year and made recommendations on data to be gathered in 2014. AMS Staff in Providence, under the direction of T. Christine Stevens, Associate Executive Director for Meetings and Professional Services, carry out the annual collection and analysis of data and the writing of the reports jointly with the committee chair. AMS staff members involved in this work during 2014 included James Maxwell, Associate Executive Director for Special Projects, and Colleen Rose, AMS Survey Analyst.

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, 2012–June 30, 2013, five reports were published in the *Notices of the AMS**.

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

Members of the committee for 2014 and the organization they represent are given below. Terms expire on January 31 of the listed year.

Richard Cleary	MAA	2015	Abbe Herzig	AMS	2017
David Cox	MAA	2017	Ellen Kirkman	AMS	2017
Charles Epstein	AMS	2016	James Maxwell	Ex Officio	
Sue Geller	MAA	2015	William Velez	AMS	2015
Amanda Golbeck	ASA	2016	Edward Waymire	AMS	2016
Loek Helminck	SIAM	2016			

* 2013 Annual Survey of the Mathematical Sciences, edited by William Velez, James W. Maxwell, and Colleen A. Rose:

- Preliminary Report on the 2012-2013 New Doctoral Recipients, *Notices of the AMS* (2014), Volume 61, Number 6, pp. 618-620.
- Faculty Salary Survey, *Notices of the AMS* (2014), Volume 61, Number 6, pp. 611-617
- Report on Academic Recruitment and Hiring Survey, *Notices of the AMS* (2014), Volume 61, Number 7, pp. 744-749
- Report on the 2012-2013 Survey of New Doctoral Recipients and Starting Salary of New Doctoral Recipients, *Notices of the AMS* (2014), Volume 61, Number 8, pp. 874-884
- Departmental Profile Report: Faculty Profile, Enrollment and Undergraduate Majors Profile and Graduate Student Profile, will be published in the *Notices of the AMS* (2015), Volume 62, Number 4.

Attachment:

Surveys of AMS-ASA-IMS-MAA-SIAM Annual Survey

Surveys of AMS-ASA-IMS-MAA-SIAM Annual Survey

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

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

Faculty Salaries: Each June 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 their 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*.

Academic Recruitment and Hiring: Beginning each October, 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*.

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 masters degree and to departments awarding at most a bachelors 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 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. Starting with the 2012 cycle of surveys, a new grouping scheme has been adopted by the Data Committee and it will be reflected in the subsequent reports of these 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 and published annually as a guidebook for prospective graduate students in the Mathematical Sciences. Prior to 2012, this guidebook was titled *Assistantships and Graduate Fellowships in the*

Mathematical Sciences, appearing on the AMS website. Beginning in the fall of 2012, this information is used to form the online resource *Graduate Programs in the Mathematical Sciences*, available at http://www.ams.org/programs/students/findgradprograms/findgradprograms .

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

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

2014 Committee Members:
Richard J Cleary, David A Cox, Charles L. Epstein, Sue Geller, Amanda Golbeck, Aloysius Helminck, Abbe H Herzig, Ellen E Kirkman, James W Maxwell, William Yslas Velez (CH), Edward C Waymire

Summer 2015 CMS Board of Directors Meeting Report

The Canadian Mathematical Society (CMS) held its Summer Meeting on June 5-8, 2015 at the University of Prince Edward Island in Charlottetown, Canada. I represented the American Mathematical Society (AMS) at the meeting of the CMS Board of Directors taking place on June 5, 2015.

The Board Agenda included several topics that may be of interest to the AMS Council and Executive Committee:

Formation of an Ad hoc Committee on Meetings

CMS sponsors annual Winter and Summer Meetings. They questioned the fact that this is the optimal meeting program for the society. Most meetings must be subsidized from general CMS operating funds; over the last 25 years, there has been a dramatic increase in the number of specialized conferences, which they attribute to the creation of the institutes; lastly, the changes to the funding climate for fundamental research in the mathematical sciences have impacted the pattern of conference attendance. The committee is tasked to review the objectives, frequencies, timing, structures, and financial model of the meetings as well as the composition of the attendees at meetings. They should also investigate potential partnerships with other Societies or interest groups such as, CAIMS, CMESG, CSHPM, SSC, etc.

Publications

The president praised the office for publications as they not only work on technical aspects related to publishing, but they also do an excellent job at maintaining English standards. It seems that this is a task that is increasingly needed.

Report from Education Committee

Math in Moscow has been terminated, it will now be Math International; similar in organization to math in Moscow but open to any institute in the world.

Women in Math Committee

The main event for 2014-15 was a 3-day workshop at BIRS, with 18 female graduate students (near PhD completion), and 6 faculties (women). The faculty gave seminars on professional matters, such as how to give good talks, career opportunities, etc.; there were also one-on-one mentoring sessions. The students gave talks that were critiqued. There was a CMS call for

applications with many more applicants than they could accept. It was a success and the organizers felt the need for another 3 or 5 day event; they hope to make it an annual BIRS conference; they are also considering holding it at various venues throughout Canada. They are also mindful that an annual event may be unduly taxing for a relatively small pool of senior women that would be repeatedly called upon to "work" at these workshops.

Strategic Budgetary Planning Task Force

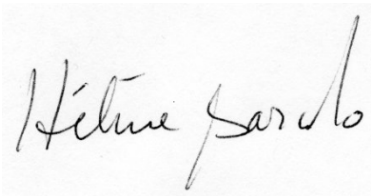
The president announced the creation of a task force to study strategic budgetary planning. Given the Status Quo Budget predictions for 2016-20, there is a need to address the predicted imbalance between revenue and expenditures for the CMS. The goal of the Task Force is to develop and suggest practical actions that can enhance the CMS financial outcomes. The members of the task force should comprise of one member from each of the existing committees: Graduate Student, Finance, Investment, Education/Competition, Research and Publication, and Executive.

Thanks to the AMS, in particular Don McClure

The CMS executive director, Johan Rudnik, thanked the AMS for their generous advice on several matters, including publishing issues. Johan noted that Don McClure was very helpful and generous of his time.

Video Conferencing

There was extensive discussion regarding attendance of the executive meetings. Given the fact that members of the executive committee must pay for all their expenses, the attendance varies a lot. In particular, if there are no special sessions in one's area, then the incentive to attend that particular executive meeting is low. It was suggested that video conferencing options be seriously considered. For example, this meeting in Charlottetown did not meet the quorum, so no vote could be taken.



AMS Representative
Deputy Director, MSRI
July 14, 2015

Committee on Academic Freedom, Tenure and Employment Security
2015 Annual Report

In 2015 the Committee on Academic Freedom, Tenure, and Employment Security made recommendations in two cases that had been submitted by individuals in 2014. I was recused from the first case by the previous chair of the committee so I will not comment further on it. Once this case was resolved, I was appointed committee chair. Since the case was submitted by an individual the committee performed a preliminary investigation as per its charge. After reviewing the documents submitted by the complainant, the committee recommended unanimously to the Council that a full investigation not be conducted. The committee has no outstanding cases at this time.

November 14, 2015

David C. Manderscheid
Executive Dean and Vice Provost
Professor of Mathematics
College of Arts and Sciences
186 University Hall, 230 North Oval Mall, Columbus, OH 43210

Annual Report
Committee on Professional Ethics
2015

Members of the committee: Allan Edmonds (Year 3, Chair), Ron Evans (Year 3), Elizabeth Wilmer (Year 3), Erica Flapan (Year 2), Ron Irving (Year 2), Rick Miranda (Year 1)

It was a relatively quite year, with only a couple of new inquiries, neither of which rose to the level of formal requests.

The committee (with one recusal) undertook some mediation related to a case of a rocky collaboration dealt with mainly in 2014 and involving the graduate student/ now postdoc of one of the parties of the earlier mediation. The committee served as a go-between for communication between one of the professors and the other's former student on matters related to acknowledgement of ideas and suitable references. In addition the chair of the committee continued to interact informally with the parties of the original case hoping to smooth the paths of communication aimed at bringing their previous joint projects to publication.

In a matter related to another case handled in 2014 (also with one recusal), due to various rumors circulating in certain circles of the research community, COPE distributed a short statement to several of the people we had consulted on the case.

Respectfully submitted,

Allan Edmonds
Chair

Submitted 11/11/2015

AMS Committee on Women in Mathematics
2015 Annual Report

Described below are activities and concerns of the Committee for Women in Mathematics during 2015, its third year in existence.

1. CoWiM reviewed the anti-harassment statement prior to its being adopted by the AMS Committee on the Profession (CoProf). The committee applauds this statement as a step forward in making the culture of the profession more welcoming to women. The committee further suggests that a second statement is needed to address the more subtle issue of "benevolent sexism", and intends to draft such a statement for consideration by CoProf over the next year.

2. At the request of CoProf, CoWiM did an initial review of the suggestion that the AMS institute a Climate Site Visits program. Other professional societies have such programs, which send a team of well-trained visitors to a department to study issues of climate and make recommendations as to how the department could improve its climate to make it more welcoming and hospitable. CoWiM's initial review was positive, in the sense that we recommended that a more in-depth study be done by CoProf. We are pleased to learn that CoProf has appointed a sub-committee, consisting of Robert Bryant, Monica Jackson, Lisa Traynor, and Carol Wood to study the idea further.

3. The committee held further discussions regarding interactions with other committees and offices. Items of interest for CoWiM continue to overlap significantly with those of CoProf and of the Joint Committee on Women in the Mathematical Sciences (JCW), which has two AMS representatives. We were pleased to have a representative (Carol Wood) of CoWiM participate in the fall CoProf meeting, and we continue to suggest that one of the two AMS representatives to JCW also be asked to serve on CoWiM. In addition, the charge of the new Director of Education and Diversity includes support for CoWiM and other activities involving women, and we look forward to collaboration with this Director. We encourage this Director to assist existing programs (and perhaps also those that have recently lost funding and are on hiatus or at risk of ceasing to exist) that aim to encourage women in mathematics with the resources and expertise at his/her disposal, proposing new programs to fill gaps in the existing portfolio of the mathematics community while being careful to not compete with existing successful and valuable programs by creating new ones that duplicate efforts.

Respectfully submitted,

Judy Walker (Chair), for CoWiM (Christine Heitsch, Ellen Kirkman, Victor Guillemin, Michael Reed, and Carol Wood)

November 16, 2015

Mathematics Research Communities

The Mathematics Research Communities (MRC) are an AMS program that helps early career mathematicians to get their research off to a good start. Aimed at those who are close to finishing their doctorates or have recently earned their degrees, it provides them with opportunities to build social and collaborative networks to inspire and sustain each other in their work. Each year, three or four research areas are selected as the focus of a structured program that engages and guides all participants as they start their careers. This program includes:

- One week summer conferences for each topic
- Special Sessions at the Joint Mathematics Meetings (JMM)
- Discussion networks by research topic
- Funding for additional collaborations
- Longitudinal study of early career mathematicians.

Each MRC conference has either twenty or forty participants. The program, which began in 2008, has been funded by the National Science Foundation, and is currently funded through 2016.

In 2015 the participants in the 2014 conferences completed their year of participation in the program. They organized special sessions at the Joint Mathematics Meetings in San Antonio and pursued the collaborative research projects that they had initiated at the summer conferences. Those collaborations have already produced five published papers, one accepted paper, and ten preprints, many of which are posted on the math arXiv and/or ResearchGate.net. The topics for the 2014 conferences were: Cluster Algebras; Algebraic and Geometric Methods in Applied Discrete Mathematics; Mathematics of Quantum Phases of Matter and Quantum Information; and Network Science.

The following conferences, each for forty participants, were held in 2015:

Commutative Algebra, June 7 – 13, 2015
Organizers:
Srikanth B. Iyengar, University of Utah
Karl Schwede, University of Utah
Liana Sega, University of Missouri—Kansas City
Gregory G. Smith, Queen's University
Wenliang Zhang, University of Nebraska

Financial Mathematics, June 14 – 20, 2015
Organizers:
Maxim Bichuch, Worcester Polytechnic Institute
Michael Carlisle, Baruch College, CUNY
Olympia Hadjiliadis, Brooklyn College, CUNY
Birgit Rudloff, Princeton University
Stephan Sturm, Worcester Polytechnic Institute

Differential Equations, Probability and Sea Ice, June 21 – 27, 2015
Organizers:
Daniel Feltham, University of Reading

Kenneth M. Golden, University of Utah
Mary Silber, Northwestern University
Court Strong, University of Utah
Deborah Sulsky, University of New Mexico

Four MRC conferences are planned for the summer of 2016, two for twenty participants and two for forty participants:

Lie group representations, discretization, and Gelfand pairs, June 5 – 11, 2016 (20 participants)
Organizers:
Bradley Currey, Saint Louis University
Gestur Olafsson, Louisiana State University
Gail Ratcliff, East Carolina University

Character Varieties: Experiments and New Frontiers, June 5 – 11, 2016 (20 participants)
Organizers:
Sean Lawton, George Mason University
Christopher Manon, George Mason University
Adam Sikora, State University of New York at Buffalo

Algebraic Statistics, June 12 – 18, 2016 (40 participants)
Organizers:
Mathias Drton, University of Washington
Elizabeth Gross, San Jose State University
Serkan Hosten, San Francisco State University
David Kahle, Baylor University
Sonja Petrovic, Illinois Institute of Technology

Mathematics in Physiology and Medicine, June 19 – 25, 2016 (40 participants)
Organizers:
Dan Beard, University of Michigan
Brian Carlson, University of Michigan
Adam Mahdi, University of Oxford
Mette Olufsen, North Carolina State University
Johnny Ottesen, Roskilde University

The online application form will be available from November 1, 2015, until March 1, 2016.

In the fall of 2015 we plan to submit a proposal to the National Science Foundation for continued funding of the MRC program. In the meantime, we are, pending funding, accepting proposals for the 2017 MRCs.

Additional information about the MRC program, including guidelines for preparing proposals and a list of conferences from past years, can be found at http://www.ams.org/programs/research-communities/mrc-proposals-17.

T. Christine Stevens
Associate Executive Director
October, 2015

Peter E. Trapa
Department of Mathematics
University of Utah
Salt Lake City, UT 84112-0090
ptrapa@math.utah.edu

November 18, 2015

Dr. Darla Kremer
Program Manager, Office of the Secretary
American Mathematical Society
Department of Computer Science
Campus Box 8206
North Carolina State University
Raleigh, NC 27695-8206

Cc: Robin Hagan Aguiar

Dear Dr. Kremer:

This is a report on the activities of the Arnold Ross Lecture Series Committee during 2014. The current membership of the committee is:

- Allan P Donsig (University of Nebraska-Lincoln)
- Glenn Stevens (Boston University)
- Peter E Trapa, Chair (University of Utah)
- Glen Whitney (Museum of Mathematics)

In early May, the location (the Orlando Science Center) and two possible dates (in October) for the 2015 Arnold Ross Lecture were finalized. The committee immediately began compiling possible candidates who were both outstanding research mathematicians and outstanding expositors. After several rounds of back-and-forth, a rough list was finalized, and we began issuing invitations at the end of May.

The committee was unsuccessful in securing a 2015 ARL speaker. A total of six invitations were issued, the last of which was in mid-July. Because of the lead-time required for advertising the lecture, it was then deemed too late to pursue other speakers, and the committee did not issue further invitations.

One final comment: The tight timeline imposed by learning of the tentative October dates only in May contributed to the committee's difficulties in securing a speaker. In almost all cases, the candidates we sought as ARL speakers, by virtue of their mathematical

stature and reputation as outstanding speakers, already had other commitments precluding them from agreeing to be an ARL speaker.

Sincerely,

Peter E. Trapa
Chair, ARL Committee

Liaison Committee with the American Asociation for the Advancement of Science
2015 Annual Report

The Liaison Committee with the American Asociation for the Advancement of Science meets annually at the Joint Mathematics Meetings. The meeting is devoted to developing ideas for possible mathematics symposia for the the AAAS meeting in the following calendar year.

The 2015 Committee meeting was held 12 January 2015 in San Antonio

Presiding: David Bressoud, AAAS Section A Chair

Present: (LIAWAAAS) Charles Epstein, Martin Golubitsky, C. David Levermore, Andy Magid, David Wright Also attending: Eric Friedlander

November 11, 2015
Andy Magid
Secretary, Section A (Mathematics) AAAS
Fellow, American Mathematical Society
George Lynn Cross Research Professor Emeritus of Mathematics
University of Oklahoma
Norman OK 73019

AMS Library Committee
2015 Annual Report
October 30, 2015

The AMS library committee met at the 2015 AMS/MAA Joint Meetings in San Antonio. The agenda from this meeting is attached.

Sherry Chang and Sam Nelson were appointed co-chairs effective February 1, 2015. Other members are Wesley Calvert, Michael Noga, Steve Rockey, Bruce Sagan, JoAnn Sears and Martha Yip.

The committee is scheduled to meet 9:30-11:00 AM on Wednesday, January 6, 2016 at the AMS/MAA Joint Meetings in Seattle. Not all members plan to attend the meeting in person; some members will attend remotely.

The committee has been in occasional email contact in 2015. Agenda items are being collected via email.

Sam Nelson (Claremont McKenna College), co-chair
Sherry Chang (Stony Brook University), co-chair

AMS Library Committee Meeting Agenda

Sunday, January 11, 2015
1:00 – 2:30pm
Grand Hyatt, San Antonio, Presidio A Room

The first 40-45 minutes is open to JMM attendees. The remaining time will be reserved for a closed executive session, if necessary.

OPEN SESSION

The future of MathSciNet, including a report / update by Edward Dunne, Executive Editor, Mathematical Reviews:

- How is the database used by stakeholders?
- Are there trends in faculty and student behaviors that we should be serving more effectively with MathSciNet?
- What is the state of talks between Math Reviews and ORCID and Math Reviews and arXiv (about author IDs and open access / depositing in institutional repositories)?
- Are there plans to have "author profiles" available to the public, not just MathSciNet subscribers?
- What can be done to promote MathSciNet more effectively, especially to students?

Discussion of open access / author rights:

- Is open access relevant for mathematicians (especially pure mathematicians) given the existence of arXiv and funding levels different from other scientists?
- What do librarians and mathematicians think about mixed models, like that recently announced by SIAM (subscription journals, with an option for open access paid by the author)?
- Are author rights an issue for AMS journals given the fact that authors are already permitted to deposit their work in institutional repositories?

CLOSED SESSION

Topics/issues raised in the Open Session that are of a sensitive / proprietary nature will also be included here.

Discussion of AMS books:

- How should AMS balance publishing books that are "important" vs. books that may be "popular"?
- How do libraries make acquisitions decisions between these two ends of the spectrum?

This article may be relevant for our discussion:
"Quality and Relevance: A Matrix Model for Thinking about Scholarly Books and Libraries"

The Big Deal:

- Given the reality of Big Deals for many academic libraries, how should AMS position itself? For example, it is better to have an AMS package or individual subscriptions?
- How does total library funding for journals affect the funding available for monographs / books / monographic series?

AMS Library Committee Meeting Agenda

Sunday, January 11, 2015
1:00 – 2:30pm
Grand Hyatt, San Antonio, Presidio A Room

Current AMS Library Committee Members

NAME	LOCATION	START DATE	END DATE
Wesley Calvert wcalvert@siu.edu	Carbondale, IL	01-Feb-2013	31-Jan-2016
Sherry Chang sherrychang@sbccmail.sunysb.edu	Stony Brook, NY	01-Feb-2014	31-Jan-2017
Parker Ladwig ladwig.l@nd.edu	Notre Dame, IN	01-Feb-2012	31-Jan-2015
	Co-chair	*01-Feb-2014*	*31-Jan-2015*
V. Sam Nelson quandles@gmail.com	Claremont, CA	01-Feb-2013	31-Jan-2016
Robert E. Noel rnoel@iu.edu	Bloomington, IN	01-Feb-2012	31-Jan-2015
Peter A. Perry perry@ms.uky.edu	Lexington, KY	01-Feb-2012	31-Jan-2015
	Co-chair	*01-Feb-2014*	*31-Jan-2015*
Steve Rockey swr1@cornell.edu	Ithaca, NY	01-Feb-2014	31-Jan-2017
Bruce Sagan sagan@math.msu.edu		01-Feb-2014	31-Jan-2017

2015 AMS Library Committee Appointees

NAME	LOCATION	START DATE	END DATE
Sherry Chang (Co-Chair) sherrychang@sbccmail.sunysb.edu	Stony Brook, NY	01-Feb-2015	31-Jan-2016
V. Sam Nelson (Co-Chair) quandles@gmail.com	Claremont, CA	01-Feb-2015	31-Jan-2016
Michael Noga mnoga@mit.edu	Cambridge, MA	01-Feb-2015	31-Jan-2018
JoAnn Sears josears@umich.edu	Ann Arbor, MI	01-Feb-2015	31-Jan-2018
Martha Yip martha.yip@uky.edu	Lexington, KY	01-Feb-2015	31-Jan-2018

DARTMOUTH COLLEGE DEPARTMENT OF MATHEMATICS
KEMENY HALL 231 • HANOVER • NEW HAMPSHIRE • 03755-3551
DEPARTMENT TELEPHONE: (603) 646-2415
OFFICE TELEPHONE: (603) 646-3468
DEPARTMENT FAX: (603) 646-1312
EMAIL: peter.winkler@dartmouth.edu

Peter Winkler
William Morrill Professor
of Mathematics and Computer Science

November 16, 2015

T. Christine Stevens
Office of the Secretary
American Mathematical Society

Dear Christine,

Following is the report of the Short Course Committee for 2015.

Current membership of the committee is as follows:

- William J Cook - bico@uwaterloo.ca
- Fernando Guevara Vasquez - fguevara@math.utah.edu
- Gregory F Lawler - lawler@math.uchicago.edu
- Gregory D Lyng - glyng@uwyo.edu
- Konstantin Mischaikow - mischaik@math.rutgers.edu
- Seth Sullivant - smsulli2@ncsu.edu
- Peter Winkler (chair) - peter.winkler@dartmouth.edu

The committee solicited and chose for the 2016 JMM Short Course the following:

AMS Short Course on Rigorous Numerics in Dynamics

This two-day course will take place on Monday and Tuesday, January 4 and 5, before the 2016 Joint Mathematics Meetings begin. It is co-organized by Jean-Philippe Lessard, Université Laval, Qubec, Canada, & Jan Bouwe van den Berg, VU University Amsterdam, Netherlands.

Nonlinear dynamics shape the world around us, from the harmonious movements of celestial bodies, via the swirling motions in fluid flows, to the complicated biochemistry in the living cell. Mathematically these beautiful phenomena are modelled by nonlinear dynamical systems, mainly in the form of ordinary differential equations (ODEs), partial differential equations (PDEs) and delay differential equations (DDEs). The presence of nonlinearities severely compli-

cates the mathematical analysis of these dynamical systems, and the difficulties are even greater for PDEs and DDEs, which are naturally defined on infinite dimensional function spaces. With the availability of powerful computers and sophisticated software, numerical simulations have quickly become the primary tool to study the models. However, while the pace of progress increases, one may ask: just how reliable are our computations? Even for finite dimensional ODEs, this question naturally arises if the system under study is chaotic, as small differences in initial conditions (such as those due to rounding errors in numerical computations) yield wildly diverging outcomes. These issues have motivated the development of the field of rigorous numerics in dynamics.

Rigorous numerics draws inspiration from the ideas in scientific computing, numerical analysis and approximation theory.

It is well suited to a short course, as it concerns recent research progress in applied mathematics, while only a basic mathematical background is required to appreciate the striking interplay between theory, computations and applications.

The committee is currently soliciting proposals (due Dec 21, 2015) for the 2017 Short Course.

Yours truly,

Peter Winkler
William Morrill Professor
of Mathematics
and Computer Science

Report from The AMS Fan Fund Committee

The Fan Fund Committee that consists of Dihua Jiang (Chair), Fanghua Lin and Jiawang Nie submits the following report to Council for the year 2015.

There were six applications this year. After discussions among the Committee through email exchange and communication, the Committee recommended that the following two proposals be supported:

Bao, Lianzhang (Jilin University, China) for Bao, Lianzhang to visit Michigan State University and work with Bohn, Jonathan. The Fan Fund supports Bao, Lianzhang for $4748 as requested; and

Xia, Zhihong (Northwestern University) for Sun, Peng at China Economics and Management Academy to visit Northwestern University and work with Xia, Zhihong. The Fan Fund supports Xia, Zhihong for $5000 as requested.

Remark: All three members believe these two applications are among the strongest this year, and hence recommended the support for funding at the amount requested in their proposals.

The committee recommended one application be supported if possible and agreed that the remaining three should not be supported at this time.

Submitted by Dihua Jiang on behalf of the full committee, 10/19/2015.

November 10, 2015

Annual Report of the Joint Committee on Women in the Mathematical Sciences

In this report we highlight completed action items from the last year, as well as items for the current year. Appended are minutes from the annual meeting in Chicago, September 19th, 2015, which include a list of the current membership of the committee.

A. Completed action items from 2014/15 include:

1. 2015 JMM panel held
2. 2015 JSM, ASA panels held
3. Each society implemented staggered terms of both representatives.
4. Orientation guides to new representatives to the JCW were developed and posted to DropBox by most societies, and the others are finalizing them.
5. Google Analytics added to Website to assess efficacy.
6. Request to the Joint Policy Board for Mathematics (JPBM) to invite a representative from NAM to the JCW was denied. Led to development and draft of document outlining a proposed procedure for adding new societies.

B. Action Items for 2015/16 include:

1. Create document that collects best practices for Nominating Committees and Prize Committees, informed by successful policies in each society. Will circulate to JCW members by JMM 2016
2. Each representative will collect successful mentoring ideas, and bring them to the committee by the January 2016 phone conference call. Members of the committee will draft a document by the 2017 annual meeting.
3. Organize Panels for JMM, JSM, IMS, AMATYC 2017
4. Bring document, with the proposed procedure for adding new societies to the JCW, to each society.
5. Proceed with NAM request to join the JCW. Will bring to each society.
6. Develop a JCW flyer to hand out at meetings.

Respectfully submitted,

Christine Guenther, co-chair of the JCW
Carol Woodward, co-chair of the JCW

II. Complete Minutes of the JCW Annual Meeting 2015

Joint Committee for Women in the Mathematical Sciences
Minutes: Annual Meeting
19 September 2015
Chicago O'Hare Hilton

Present: Jane Tanner (AMATYC), Christine Guenther (co-chair, AMS), Bernd Sturmfels (AMS), Janet P. Buckingham (ASA), Paula K. Roberson (ASA), Magnhild Lien (Representing AWM), Laura Schaposnik (AWM), Johanna Nešlehová(IMS), Amber Puha (IMS), Semra Kilic-Bahi (MAA), Jenna Carpenter (MAA), Andria Disney (Representing NCTM), Carol Woodward (co-chair, SIAM), Charlie Doering (SIAM),
1) Jenna Carpenter volunteered to take minutes.
2) Introductions of representatives in attendance, review of roster.
3) Overview of the JCW: See the website for the complete mission statement. Briefly, JCW gathers ideas from member organizations and brings those issues to the Committee. Key issues include: the advancement of women, creating a welcoming environment in community, adopting best practices, and including/recognizing women. Each member writes a report for her society and communicates about key issues. Note the new member orientation document for each society that can be found on the DropBox.
Nancy S. is maintaining the FaceBook and webpage for JCW. If she is not re-appointed, the JCW will need a new person to take these over.
4) a. Review of September 13, 2014 meeting minutes (posted in DropBox): in particular, the committee reviewed the Action items:
A) Each society implemented staggered terms of both representatives from each society (correction to the current membership list: MAA - Semra Kilic-Bahi will be serving a two-year term).
B) Discussed whether to include annual reports to individual societies in JCW archives. Decided it would help orientation of new representatives and serve to keep a record of communications.
ACTION ITEM: Co-chairs will create a new subfolder in DropBox for each society in which to collect these.
C) Most societies have developed new member orientation guides and uploaded them to DropBox. The NCTM is still considering this, as is the IMS. We will review the membership roster as part of annual JCW Meeting.
D) Panels – these went forward as planned, and a number are on the agenda for today. The JCW did not request ten minutes for sharing policies on attracting and retaining women graduate students (agenda item following #13), and discussed doing this for JMM 2016 at the graduate program chairs meeting. If this meeting is before the panel, we could invite the chairs to participate in the panel. Contact Chris Stevens at the AMS, who will be at the dinner tonight.
ACTION ITEM: Bernd Sturmfels will contact the organizer of the graduate program chairs meeting and request ten minutes as noted above.
E) Welcoming environment policies is on our agenda for later.
F) Mentoring - reporting what societies are doing. This was not done formally, and so we agreed to report what each society is doing by January, in order to bring

together materials to distribute to societies. We would like to focus on mentoring through full careers.
ACTION ITEM: Each representative will collect successful mentoring ideas, and bring them to the January 2016 phone conference call. We will create a document by the annual meeting 2016.
G) Update of JCW website - Nancy Sattler will continue to oversee this.
ACTION ITEM: Add Google Analytics to the JCW page in order to assess the efficacy of the site.
H) Link with JCW website: each society does this.
I) Various member societies have committees devoted to women in mathematics/statistics. The goal was to exchange minutes and communicate with each other. Some societies have joint members to facilitate this.
Action Item: Each member whose society has a committee on women will send the annual report to the committee, and add this duty to the society's orientation guide.
J) Discussion of NAM - later in the agenda
K) Determined that SACNAS does not have a specific mathematics arm.
4b) Reviewed minutes for May 2015 Conference Call. In particular, reviewed the Action items:
A) Document proposing procedure for adding new societies to JCW was developed – will discuss later today
B) Best practices and information on awards - discuss later today.
C) Welcoming environment statements – discuss later today.
Approval of May 11, 2015, minutes - no corrections or additions, Janet Buckingham moved to accept, Charlie Doering seconded, motion passed.
5) Follow-up on Welcoming Environment Policies:
A) AMS - policy in place and posted on website with reporting mechanism using outside agency, Ethics Point, which then reports to specific individuals within the AMS, depending on the type of violation.
B) AWM discussed a reporting mechanism but decided against it, although there were strong voices in support. Other societies have reporting processes at Joint Meetings.
C) SIAM has a welcoming environment statement for conference programs, but was not comfortable with reporting mechanism and perceived associated legal liability. Journals now have an ethics statement that will be used by all SIAM journals.
D) MAA - policy in place and posted on website with reporting mechanism, appears in conference programs.
E) ASA - meeting registration has a checkbox that verified that the attendee had read and agreed to cooperate with statement. A stronger violation statement has been added at the recommendation of ASA lawyers.
F) AMATYC language has been used by other societies. Appears on website but not yet in conference program. There is, however, a brief paragraph in the program that mentions this and refers people to the website.
G) IMS - have meetings with the ASA, which are covered by ASA statement. IMS has a statement on equal opportunities but no reporting mechanism. It is not clear that it appears during the registration process.

H) NCTM - strategic plan includes statement about promoting access and equity, but not sure that there is anything specific for meetings.
Discussed whether to recommend that societies include a statement promoting access in meeting materials, or recommend a check box for conference registration. ASA language is a good example of reporting. Possible issues: training for organizers may be missing, possibly opening ourselves to more liability by acknowledging there may be an issue with no reporting mechanism. Decided against formal recommendation.
ACTION ITEM: Ask AMS how the reporting mechanism works and if the reporting mechanism could be shared with other societies.
ACTION ITEM: Post welcoming environment statements of each society to DropBox.
ACTION ITEM: Communicate ASA checkbox mechanism to societies, describe AMS reporting procedure to societies, both as informational items.
6) Report on 2015 Panels:
A) JMM 2015 – the panel on self-promotion was well-received, with much discussion and feedback, and a full room.
Note: The MAA's panel on writing successful grant applications was also successful, with valuable tips, etc., but it was scheduled at same time as the JCW panel. This year the organizers requested that these panels not overlap.
B) JSM – the ASA co-sponsored three panels on implicit bias and women in leadership. These were well done, and well attended.
C) AMATYC - no panels
7) Upcoming panels: JMM 2016 session in Seattle, Washington
Thursday January 7, 2016, 1:00 p.m.-2:30 p.m.
Title*: Success in graduate school (and the rest of your life).*
Room 611, Washington State Convention Center
Organizers:
Patricia Hale, California State Polytechnic University, Pomona
Magnhild Lien, California State University, Northridge
Bernd Sturmfels, University of California at Berkeley
Panelists:
Sara Billey, University of Washington, Seattle
Anastasia Chavez, University of California at Berkeley
Courtney Gibbons, Hamilton College
Abbe Herzig, SUNY at Albany
Candice Price, Sam Houston State University
Ami Radunskaya, Pomona College
The panel will address issues faced by graduate students, and the organizers hope to attract undergraduate attendees. Discussion points may include choosing a graduate school, life after graduate school, and more on careers. Possible format will be presentations by panelists on these points (5 minutes each - 2/3 slides each, one about them and one on their statement) followed by discussion and questions. Point should be made to notify Stacy Biggs of IPAM since their students attend JMM, as well as advertise to undergraduate poster session attendees.

8) JSM 2016, Chicago, July 3- - August 4 - same topic as JMM 2015 panel. Update on proposed panel: ***Title:*** *Effective Self-Promotion to Advance Your Career in Statistics*

Organizers:

Janet Buckingham, Southwest Research Institute
Johanna G. Neslehova, McGill University
Amber Puha, California State University San Marcos
Paula K. Roberson, University of Arkansas for the Medical Sciences

Panelists:

Susan Murphy, University of Michigan
Martha M. Gardner, General Electric
Nandini Kannan (Program Director of the Statistics Program, Division of Mathematical Sciences), National Science Foundation
Deborah F. Lockhart, National Science Foundation

Topics include applying for grants, publishing work, mentoring, work life balance, etc. 5 panelists invited, including one from industry and one from government, as well as academic statistics and an editor. Will hear if the panel was accepted in mid-October.

9) Ideas for future panels: Semra K. brought the idea of the JCW co-sponsoring a MAA panel at the JMM 2017 on why women do not publish as much as men. The MAA has moved to double-blind review, but women still don't submit as many papers. An idea was to just include MAA editors as panelists, but broader representation was supported by the JCW. We decided to co-sponsor the panel. Semra K. also mentioned a panel that would profile successful programs that attract women and under represented minorities, and invite PI's and NSF program officers. Semra sent a draft proposal to the NSF but received no response. Note that NSF supports the Math Alliance.

Further ideas for future JMM panels: mentoring ideas from different societies; developing undergraduate women, focusing on training faculty who work with undergraduates. Topics may include stereotype threat/implicit bias/confidence.

ACTION ITEMS: Jenna C. will assist Semra K. with organizing the 2017 MAA/JCW panel on publishing.

ACTION ITEM: Jenna C., Laura S. and Christine G. will organize the JCW 2017 JMM panel on undergraduates.

10) Further upcoming panels in Statistics:

A) In addition to the proposed JSM conference noted above, the 2nd Celebrating Women in Statistics Conference is planned for October 2017, and would like session proposals and speakers from the JCW. Ideas included a panel on publishing, and the AWM is interested in collaborating.

ACTION ITEM: The JCW and AWM representatives who are members of the statistics societies will discuss this further.

B) The was a proposal to have the JCW co-sponsor a panel for the World Congress on Probability and Statistics, 2016,, Women in Probability.org, IMS New Researchers. The idea is to use the JSM topic.

ACTION ITEM: Amber P. and Johanna N. will submit a proposal in October.

11) The JCW discussed how to have more impact on other society's meetings. The AMATYC does not have panels but has presentations that can have multiple speakers (50 minute sessions). SIAM may have a session on implicit bias at an upcoming meeting. An idea was to have a career development session with 3 speakers followed by a discussion, and co-sponsored with Diversity Advisory Committee.
ACTION ITEM: AMATYC members will discuss hosting a panel at their November Board meeting, and revisit the topic at the JCW meeting in January 2016 at the JMM.
ACTION ITEM: Semra K. and Laura S. will assist Carol W. with organizing the SIAM session. Jenna C. will forward names of possible speakers.
12) Document of Procedure for adding new societies to join the JCW. This topic arose last year when JCW made a recommendation to the JPBM to invite NAM to join the committee, and there was no written established mechanism to consider a request to join.
A) Ideas included that member societies should be exclusively mathematical in nature; each member should have 2 representatives with 3 year staggered terms who attend the meeting in Chicago, as well at JMM. Steps for joining are enumerated in the document. Briefly, submit written request; accept financial commitments; analyze additional cost and impact analysis; JCW votes and representatives take to each society; concerns are brought back to JCW; timely vote. Steps 3-8 are followed for an organization invited to join. There is no requirement to take these to JPBM since they do not represent all of the participating societies of JCW. Decided against including a procedure on inviting a society to. join (although, see Action item below).
Before this discussion, Carol W. contacted Robin A. to clarify the financial commitment of belonging to the JCW: The Chicago meeting costs $500 plus $300 in food and 12 sleeping room nights. There is a revenue loss fee for unused sleeping rooms. CoProf Dinner costs at a per person fee. Shared costs are in accordance with the number of representatives who attend. Room holds 16 people and we have 15 representatives. If we add another society we may have to move to a different room with different costs. Robin will check on this issue. CoProf will not be meeting here next year. We may look at other nearby hotels with a larger room and fewer sleeping room requirements. In summary, approximately $1000 divided by number of attendees & societies, with slight increase in cost next year. If we move, we lose the connection with CoProf 2 out of 3 years. Adding NAM may not cost much more unless we hit the 16-person meeting room limit, which should be minimal extra.
ACTION ITEMS: A revised draft of the Procedures document will be sent to the JCW representatives by Carol W. Each member will forward it to his or her society to get their feedback, suggestions, approval or objections.
ACTION ITEM: Co-chairs will draft a letter to send to societies who the JCW thinks would be a good fit inviting them to apply, and explaining the approval process. This would not guarantee membership. Christine G. volunteered to draft this.
B) In August the chairs of the JCW received a request from the National Association of Mathematicians (NAM) to join the JCW. Since it is important to get the process started, we will take NAM request first to member societies, and then take the

procedure to our societies. The representatives of the JCW supported the addition of NAM.

ACTION ITEMS: Carol W. will contact NAM to clarify that each society has two representatives, and what the financial commitment of joining the JCW is. Each representative will then take NAM's request to join the JCW to his or her society, and we will proceed according to the procedure outlined in the draft Procedure document.

13) We discussed the collection and dissemination of best practices for Prize and Nominating committees. The goal is to distribute a useful list of best practices to member societies.

Issues included how to promote the names of people who are not well-known, encourage broader representation on committees. The JCW will produce separate summaries for nominations for governance and for prizes, and will keep in mind not overloading women with service. We may wish to contrast with challenges.

Ideas included:

* This year the AMS will solicit names electronically ahead of the annual meeting of the Nominating Committee, and will review the CV's of candidates.

*The ASA will review the gender of award winners, and review steps they have taken and progress that has been made. For nominating committees, the ASA process is handled by president-elect, and the VP's assist. All committee appointments look at gender, ethnicity, tenure (prior committee service), etc. Some of these are limited by the submission of fellow names to increase nominations of women.

*AWM has a Scientific Advisory Committee, chaired by Ruth Charney, to get women nominated for fellows and committees. They are looking for names and potential nominators. For prizes they have created a list of prizes and possible candidates then they send the lists of names to the appropriate people. There is also a link to awards on the AWM website asking people to send list of potential nominees.

*SIAM has both the Fellowship Canvassing Committee and the Fellowship Selection Committee. Canvassing focuses on URM individuals, including women. Lists of names are forwarded to the committee, SIAM checks eligibility, and then the committee finds people to nominate them. SIAM's major prize committees are encouraged to find names of candidates who may have been overlooked, and the selection process is monitored. This seems to have worked well."

The society may follow a similar procedure for other major prizes, as well.

Organizing Committees and speakers have requirements for one woman speaker, one international speaker, one industry speaker, etc. SIAM looks at diversity of nominating committee to increase diversity of contacts, etc. Most members are appointed. Prize Committees have similar requirements as for speakers.

*AMS Fellowship Program has a cap per year based on percentage of members, must be nominated, challenging to get nominations from underrepresented groups.

*AMATYC: a policy manual information is provided to committees. Statistics show that there are no issues with women receiving awards. The representatives will check if percentages are in line with percentage of women members.

*MAA has the Avoiding Implicit Bias document that is sent to all committee, etc., appointments and they collect a wide variety of data on gender.

*NCTM has many self-nominations required. For committees, some appointed but standing committees have application process. Large percentage of women involved on board, about 50% of presidents are women, goal is to cultivate diversification of leadership particularly in terms of ethnicity and working on policies, etc.
*IMS nominations to the council - they are committed to diversity. Women do not want to run for the council for various reasons, so it is harder to get women to stand. For prizes and fellows, There are too few women, so this is a problem. Fellow nominations that are passed over get overlooked if they are not initially successful or if they are later in their career and not as active as earlier although their body of work would merit consideration. IMS does a good job of supporting new researchers.
ACTION ITEM: Each representative will write a brief (1 – 2 paragraph) description of what the Society does well for Nominating committees, and one for Prize committees. Include what issues it addresses. Christine G. will compile these into one document that will be circulated to the representatives before the January 2016 JMM. Once suggestions have been incorporated, representatives will then forward the final document to their respective societies.
ACTION ITEM: Percentages of authors who are women (sometimes it can be challenging to tell) is interesting. Suggest in annual reports that this information would be helpful to collect.
14) In order to be responsive to member societies, representatives began the collection of issues of importance to them for future consideration by the JCW.
*MAA - The book "I, Mathematician" contains 25 chapters, only 5 by women. Perhaps remind editors and publishers to be cognizant of the importance of diversity and diversity issues.
*The MAA is collecting information on professional organizations and resources about women in mathematics to display at the MAA booth at the national meetings. They will bring this back to JCW to share with other professional societies.
ACTION ITEM: Develop a flyer for JCW to hand out at panels. Laura S. will work on this.
*SIAM is interested in the exchange of best practices related to mentoring.
*ASA has a major mentoring focus in 2015 with piloting of activities and program development. New attendees and graduate student efforts for meetings orientation are ongoing, as well, including a docent program, top ten things to do at the meeting, introductory luncheon for new attendees, etc.
*AWM has a good mentorship program.
ACTION ITEM: Keep mentoring as an agenda item for the January 2016 JCW phone call and September 2016 meeting. Collect information from member societies before the phone call.
15) a. The JCW needs a new co-chair since Christine is rotating off (Carol will remain). We have had one statistics and one mathematics representative in the past, and we would like the terms to be staggered two year terms. .Jenna Carpenter volunteered to replace Christine, and was approved by the committee.
ACTION ITEM: List of co-chair responsibilities will be posted in DropBox
b. The AMS will no longer maintain the JCW membership list, but they will maintain the email alias. The co-chairs will now maintain the list and keep it in the DropBox.

When societies make appointments they need to communicate the appointment to their own representatives in addition to the co-chairs.
ACTION ITEM: Each representative will add this duty to the orientation guides for her society. The continuing member will continue to forward the orientation document to the incoming representative.
c. The committee discussed whether representatives should retain access to the JCW DropBox once they rotate off the committee. The committee decided that the default will be to remove people once they rotate off, but interested members can request to remain on DropBox. Co-chairs will maintain the DropBox list. Committee members will have write and read access and past members will only have read access.
16) Wrap-up. September 17, 2016, is the date of next year's meeting in Chicago. The JMM 2016 meeting we will be on Friday, Jan. 8, from 1 – 2 p.m.. Recent appointees will be invited. Attendees are usually mathematics representatives, so the agenda will reflect that. There will in addition be a Conference call in late January, to be scheduled via Doodle Poll, which will include new and returning members. We will have a May conference call if there is business to address. Don McClure will meet with us tonight to discuss the new Department of Education and Diversity and we will discuss the reporting mechanism for the welcoming environment statements. We meet in the Dublin London room on the Mezzanine Level at 6 PM.

Status of the Proposal for the AMS to Provide an Institutional Home for the National Alliance for Doctoral Studies in the Mathematical Sciences

The agenda item serves as a preamble for this attachment.

The last page of this attachment contains the October 2014 recommendation from the Committee on Education to the Council and ECBT.

Currently (December 7, 2015) the AMS and the Math Alliance are continuing discussions about the proposal for the AMS becoming an institutional home for the Math Alliance.

When the Committee on the Profession (CoProf) met on September 19-20, 2015, we were still trying to achieve action on the proposal (if it were supported by CoProf, CoE and the Advisory Group) by the ECBT at the November 20-21 meeting and by the Council at the January 5, 2016 meeting. On September 25, however, Don McClure and Phil Kutzko, Director of the Math Alliance, had a phone conversation about the status of the plan being discussed by CoProf and planned for discussion by the Committee on Education (CoE). Phil Kutzko suggested that we should slow things down and not aim for action by the ECBT and Council on the schedule then planned. A less ambitious schedule allowed for more discussion between the AMS and the Math Alliance. Of course, a slower schedule also precluded plans for implementing a possible agreement in early 2016.

On November 6, Don McClure did participate in a meeting of the Alliance Governing Board in Birmingham, Alabama. It was a very productive discussion about which I shall report orally at the Council meeting. At the end of the meeting, the Alliance Governing Board requested a meeting at JMM in Seattle including the AMS Advisory Group appointed by David Vogan following the November 2014 ECBT meeting, the CoProf subcommittee, and the CoE subcommittee appointed following the April 2015 Council meeting, and the Alliance Governing Board. We are currently working on scheduling such a meeting. As of the date of writing this attachment, a likely date for the meeting at JMM is Friday, January 8.

Parties Consulted

1. Advisory Group appointed by President David Vogan pursuant to ECBT resolution of November 2014.
   Robert Bryant
   Jesus De Loera (CoE)
   Jane Hawkins
   Donald McClure
   Douglas Mupasiri (CoE)
   T. Christine Stevens

   In addition, a CoProf subcommittee consisting of Monica Jackson, William McCallum, and Lisa Traynor has been appointed to work with the Advisory Committee.

2. American Physical Society, Department of Education and Diversity. On April 16, the Advisory Committee (less Jesus De Loera) met with Kate Kirby (APS CEO and Executive Director), Ted Hodapp (APS Director of Education and Diversity), and Monica Plisch (APS Associate Director of Education and Diversity).

   We regard the APS department as a model for the AMS Department of Education and Diversity. See http://www.aps.org/programs/education/upload/APLU-booklet-FINAL-for-web.pdf

3. National Science Foundation, Division of Mathematical Sciences. On July 9, Don McClure met with Michael Vogelius (Division Director), Henry (Hank) Warchall (Senior Advisor), and Jennifer Pearl (Program Manager).

4. National Alliance for Doctoral Studies in the Mathematical Sciences.
   Phil Kutzko visited the AMS on July 29 and met with Chris Stevens, Don McClure, Emily Riley (CFO), and staff from the Division of Meetings and Professional Services.
   Loek Helminck visited the AMS to discuss cooperation on a proposal to fund the 2016 Field of Dreams conference.
   Don McClure met with Bill Velez at MathFest to discuss the F-GAP program.

5. Committee on the Profession, September 19-20, 2015

6. Committee on Education, October 29, 2015.

7. SIAM and ASA. Contact with Jim Crowley and Ron Wasserstein regarding representation on an AMS *Math Alliance Advisory Board*.

8. MAA. October 26 discussion with Michael Pearson regarding cooperation with the MAA on Alliance programs.

9. November 6, 2015. Meeting with the Alliance Governing Board in Birmingham.
   Current members of the Alliance Governing Board are
   Philip Kutzko, University of Iowa
   Donald Cole, University of Mississippi
   Aloysius (Loek) Helminck, North Carolina State University
   Leslie McClure, Temple University
   Helena Noronha, California State University Northridge
   William Velez, University of Arizona

To the AMS Council, the Executive Committee, and the Board of Trustees

The AMS Committee on Education has considered the proposal on an "AMS Office for Education and Diversity" presented by Bus Jaco and Phil Kutzko. We voted unanimously to endorse the proposal for further exploration by the ECBT for eventual implementation within the AMS.

This proposal provides an excellent opportunity for the AMS to renew its efforts supporting its members in their roles as educators and mentors. It will promote the health of the profession by ensuring that all students who are poised to pursue a career in the mathematical sciences receive support from our community. The committee did raise a number of concerns that the Council and ECBT should also consider.

- The well-defined scope is appropriate to define and ensure initial success. We hope that the program is implemented in such a way that the Office is able to adapt over time in order to respond to issues in undergraduate and graduate mathematics education, and diversity in the profession more broadly. Choosing an appropriate name that allows potential future growth is essential.
- Over the years Math Alliance has broadened its scope from underrepresented minorities to "all American students." The document reviewed by the committee made repeated mention of "domestic students." We suggest that it be made explicit that the term "domestic," as it is used in this proposal, will be interpreted to mean "all students enrolled in US undergraduate degree programs." We feel that citizenship or visa limitation is not fully inclusive. It may be intended to reflect requirements for certain NSF grants, but a founding document for this office should not reflect the peculiarities of current NSF policy. The Committee feels strongly that as a program within the AMS, the focus should include all students enrolled at US institutions, regardless of country of origin or citizenship.
- Coordination with the other professional societies is a key component of a program like this. The Committee encourages the AMS to strengthen its ties with MAA, SIAM and ASA as we proceed in this venture.
- The proposal is largely based on the existing structure of the Math Alliance. There are already many programs in place at AMS that could provide support to the venture within AMS. For example, the Meetings & Conferences division is already well positioned to support the annual Field of Dreams conference. Existing resources should be brought to bear, rather than duplicating efforts. The new program may be able make use of the DC office, possibly as a home for its specific efforts, and to maintain collaborative efforts with the other professional societies. Special attention may be required in the transition period to make the transition smooth.

This statement was approved by the Committee on Education on 18 October 2014.

AMS
AMERICAN MATHEMATICAL SOCIETY

The AMS Fellows Program

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 asked to explain in a sentence or two why they are supporting the nomination. Their remarks will be very helpful to the selection committee.

F. Any person who is nominated and is not selected a Fellow will remain an active nominee for a further two years.

G. Each year the January Council provides a guideline for the number of Fellows to be selected. [5] The Selection Committee chooses Fellows from the

nominations bearing in mind this guideline, diversity of every kind, and the quality and quantity of the external nominations.

H. Those members who are chosen by the Selection Committee are invited by the President to become new Fellows of the AMS.

IV. Footnotes

1: The original proposal's recommendation to Council was 5% of members. At that time there were about 30,000 members so the number of Fellows would be about 1,500.

2: It was anticipated that the the seeding process described in II.A would produce offers of Fellows status to approximately 800 current AMS members.

3: An invited address is one given at the invitation of the program committee and delivered before January 1, 2012.

4: These are the Birkhoff, Bôcher, Cole, Conant, Doob, Eisenbud, Fulkerson, Moore, Robbins, Satter, Steele, Veblen, Whiteman, and Weiner prizes. Again, the prize must have been awarded before January 1, 2012.

5: It is anticipated that during a transition period of approximately 10 years about 75 new Fellows will be appointed each year. In the steady state of 1500, it is anticipated that about 40 new Fellows positions will occur annually due to attrition.

Appendix A: Change history

Change history for the Fellows program document. Each row represents a Council action.

Date of Council Action	Reference to Minutes	Change required	Location in this document where change is found
		[update table in date-descending order, most recent first]	
Jan 2014	Section 4.10.2, p. 11	Council approved the sentence “Current members of the Selection Committee may not make nominations for Fellows.” Council voted to clarify this by replacing this sentence with ``Current members of the Selection Committee may not participate in a Fellows nomination either as a principal nominator or as a supporting member."	Item III, C.
Jan 2014	Section 4,10.3, p. 12	Council approved amending the proposed request to supporting nominators to read “Please explain in a sentence or two why you are supporting this nomination. Your remarks will be very helpful to the selection committee".	Item III, E, 4 updated with “Each Supporting AMS Member is asked to explain in a sentence or two why they are supporting the nomination. Their remarks will be very helpful to the selection committee.”
Jan 2014	Section 4.10.1, p. 13	Council approved the Fellows Selection Committee recommendation that self-nominations no longer be allowed.	Item III, D.
April 2012	Section 4.6.1, p. 8	In the Selection Committee charge, Council approved removing the sentence “The Selection Committee has the discretion to make nominations to fulfill the general goals of the Fellowship“. This document was also updated to reflect the same information as the charge.	Item III, G.

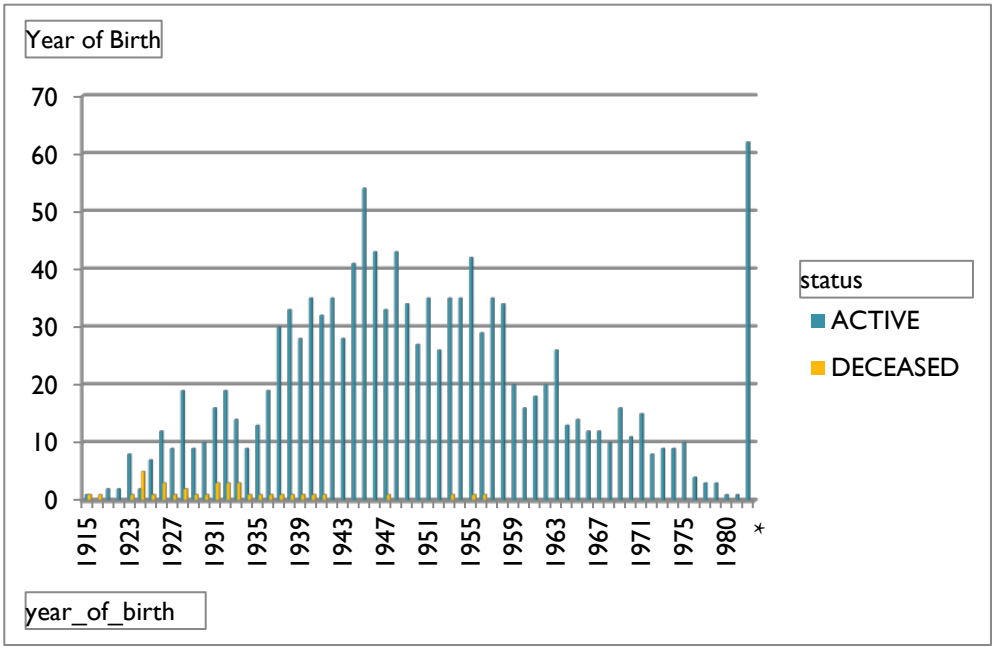
Number of Fellows

Year	Members	Council Target	Nominations	Selected	Living Fellows
2012	29,200			1125	1122
2013	29,226	75	62	50	1163
2014	26,919	60	132	63	1217
2015	28,067	50	178	50	1260

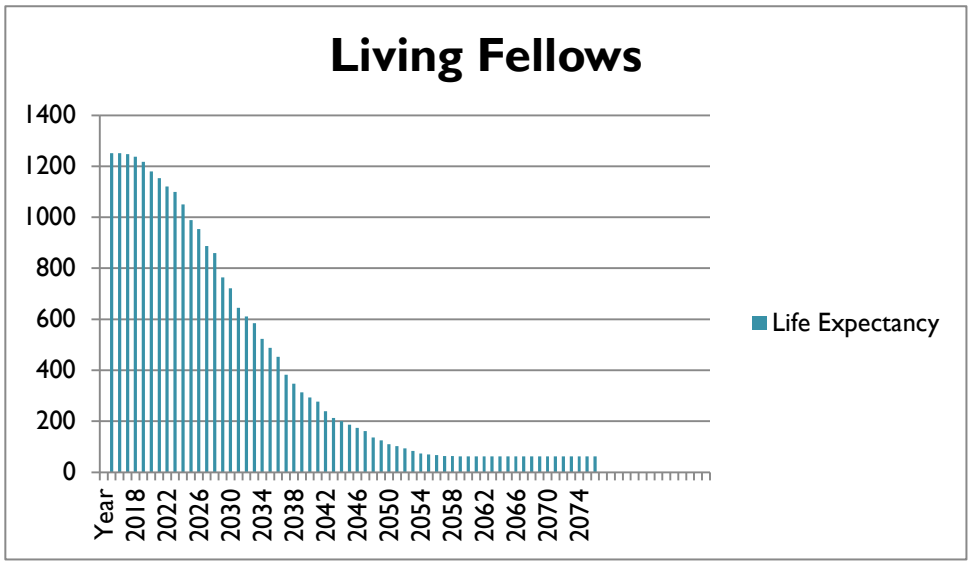
Historical and Projected Number of Fellows Nominations considered by the Fellows Selection Committee

Total nominations considerered	2013		2014		2015		2016		2017	
62	62	New nominations								
	50	Selected in 2013								
132	12	Rolled to 2014	120	New nominations						
	3	Selected in 2014	60	Selected in 2014						
178	9	Rolled to 2015	60	Rolled to 2015	109	New nominations				
	0	Selected in 2015	6	Selected in 2015	44	Selected in 2015				
219			54	Rolled to 2016	65	Rolled to 2016	**100**	New nominations		
			0	Selected in 2016	**6**	Selected in 2016	**50**	Selected in 2016		
209					**59**	Rolled to 2017	**50**	Rolled to 2017	**100**	New nominations
					0	Selected in 2017	**6**	Selected in 2017	50	Selected in 2017
							44	Rolled to 2018	50	Rolled to 2018
							0	Selected in 2018	6	Selected in 2018
									44	Rolled to 2019
									0	Selected in 2019

***pink / bold data are estimates**



*Year of Birth is unknown (62 Fellows)



Life ExpectancyDetermined by the Actuarial Life Table located at https://www.socialsecurity.gov/OACT/STATS/table4c6.html

LAST UPDATED: 12/07/15 @ 2:05 PM by EHH

LIST OF SELECTED MEETINGS, HOLIDAYS, AND RELIGIOUS OBSERVANCES FOR USE BY AMS STAFF WHEN SCHEDULING AMS MEETINGS

This file provides 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. It is a helpful reference when you are trying to schedule AMS meetings and want to avoid conflict with other meetings that have already been scheduled. This file is ***NOT INTENDED TO BE ALL-INCLUSIVE*** and ***SHOULD BE USED IN CONJUNCTION WITH*** the *Mathematics Calendar* that can be found in the *Meetings & Conferences* section of the AMS web site: www.ams.org/meetings/calendar/mathcal.

Please notify Sheila Rowland (sjr@ams.org) or Ellen Heiser (ehh@ams.org) of any changes or additions that should be made to this file.

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
December 6-14, 2015 (Sun-Mon)	Hanukkah	---
December 16-19, 2015 (Wed-Sat)	International Conference on Graph Theory and its Applications (in cooperation with the AMS)	Amrita School of Engineering Tamil Nadu, India
December 25, 2015 (Fri)	Christmas	*All AMS Offices Closed*
January 1, 2016 (Fri)	New Year's Day	*All AMS Offices Closed*
January 5, 2016 (Tue)	AMS Council Meeting	Seattle, WA
January 6-9, 2016 (Wed-Sat)	AMS-MAA Joint Mathematics Meetings (JMM)	Seattle, WA
January 18, 2016 (Mon)	Martin Luther King, Jr. Day	*All AMS Offices Closed*
February 15, 2016 (Mon)	President's Day	*AMS DC Office Closed* *RI & MI Offices Open*
March 5-6, 2016 (Sat-Sun)	AMS Sectional Meeting The Einstein Public Lecture in Mathematics will be given by Erik Demaine (date and time TBA)	University of Georgia, Athens, GA
March 11, 2016 (Fri)	AMS Secretariat Meeting	Chicago, IL
March 12, 2016 (Sat)	AMS Committee on Meetings and Conferences (COMC) Meeting	Chicago, IL
March 19-20, 2016 (Sat-Sun)	AMS Sectional Meeting	State University of New York at Stony Brook Stony Brook, NY
March 25, 2016 (Fri)	Good Friday	---
March 27, 2016 (Sun)	Easter	---
April 2, 2016 (Sat)	AMS Council Meeting	Chicago, IL
April 8, 2016 (Fri)	Agenda and Budget Committee (ABC) Meeting	WebEx meeting

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
April 9-10, 2016 (Sat-Sun)	AMS Sectional Meeting The Erdős Memorial Lecture will be given by Ravi Vakil (date and time TBA)	University of Utah Salt Lake City, UT
April 12-13, 2016 (Tue-Wed)	AMS Committee on Science Policy (CSP) Meeting	Washington, DC
April 16-17, 2016 (Sat-Sun)	AMS Sectional Meeting	North Dakota State University Fargo, ND
April 22-30, 2016 (Fri-Sat)	Passover	---
April 25, 2016 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
May 6, 2016 (Fri)	Conference Board of the Mathematical Sciences (CBMS) Council Meeting	Washington, DC
May 19, 2016 (Thu)	AMS Committee on Committees Meeting	Providence, RI
May 20-21, 2016 (Fri-Sat)	AMS Executive Committee and Board of Trustees (ECBT) Meeting	Providence, RI
May 30, 2016 (Mon)	Memorial Day	*All AMS Offices Closed*
July 4, 2016 (Mon)	Independence Day	*All AMS Offices Closed*
July 11-15, 2016 (Mon-Fri)	SIAM Annual Meeting	Boston, MA
July 18-22, 2016 (Mon-Fri)	European Congress of Mathematics (ECM)	Berlin, Germany
July 24-31, 2016 (Sun-Sun)	International Congress on Mathematical Education (ICME-13)	Hamburg, Germany
July 26-28, 2016 (Tue-Thu)	Council of Engineering and Scientific Society Executives (CESSE) Annual Meeting	Omaha, NE
July 30-August 4, 2016 (Sat-Thu)	Joint Statistical Meetings (JSM)	Chicago, IL
August 3-6, 2016 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Columbus, OH
August 8, 2016 (Mon)	Victory Day	*AMS RI Office Closed* *DC & MI Offices Open*
September 5, 2016 (Mon)	Labor Day	*All AMS Offices Closed*
September 16-17, 2016 (Fri-Sat)	AMS Committee on Publications (CPUB) Meeting	Providence, RI
September 17-18, 2016 (Sat-Sun)	AMS Committee on the Profession (CoProf) Meeting	Providence, RI
September 24-25, 2016 (Sat-Sun)	AMS Sectional Meeting	Bowdoin College, Brunswick, ME
October 2-4, 2016 (Sun-Tue)	Rosh Hashanah	---

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
October 7, 2016 (Fri)	Agenda and Budget Committee (ABC) Meeting	Providence, RI
October 8-9, 2016 (Sat-Sun)	AMS Sectional Meeting	University of Denver, Denver, CO
October 10, 2016 (Mon)	AMS Mathematical Reviews Editorial Committee (MREC) Meeting	Ann Arbor, MI
October 10, 2016 (Mon)	Columbus Day	*AMS RI & DC Offices Closed* *MI Office Open*
October 11-12, 2016 (Tue-Wed)	Yom Kippur	---
October 13-15, 2016 (Thurs-Sat) ***TENTATIVE***	AMS Committee on Education (COE) Meeting	Washington, DC
October 16-23, 2016 (Sun-Sun)	Sukkot	---
October 28-30, 2016 (Fri-Sun)	AMS Sectional Meeting	University of St. Thomas, Minneapolis, MN
October 31, 2016 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
November 11, 2016 (Fri)	Veterans' Day	*AMS RI Office Closed* *DC & MI Offices Open*
November 12-13, 2016 (Sat-Sun)	AMS Sectional Meeting	North Carolina State University at Raleigh Raleigh, NC
November 18-19, 2016 (Fri-Sat)	AMS Executive Committee and Board of Trustees (ECBT) Meeting	Providence, RI
November 24, 2016 (Thu)	Thanksgiving Day	*All AMS Offices Closed*
November 25, 2016 (Fri)	Day after Thanksgiving	*AMS RI & DC Offices Closed* *MI Office Open*
December 2, 2016 (Fri)	Conference Board of the Mathematical Sciences (CBMS) Council Meeting	Washington, DC
December 14-17, 2016 (Weds-Sat)	Indian Mathematics Consortium	Banaras Hindu University Varanasi, India.
December 24, 2016 – January 1, 2017 (Sat-Sun)	Hanukkah	---
December 25, 2016 (Sun)	Christmas Day	---
December 26, 2016 (Mon)	Christmas Day Observed	*All AMS Offices Closed*
January 1, 2017 (Sun)	New Year's Day	---
January 2, 2017 (Mon)	New Year's Day Observed	*All AMS Offices Closed*
January 3, 2017 (Tue)	AMS Council Meeting	Atlanta, GA
January 4-7, 2017 (Wed-Sat)	AMS-MAA Joint Mathematics Meetings (JMM)	Atlanta, GA
January 16, 2017 (Mon)	Martin Luther King, Jr. Day	*All AMS Offices Closed*

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
February 20, 2017 (Mon)	President's Day	*AMS DC Office Closed RI & MI Offices Open*
March 10-12, 2017 (Fri-Sun)	AMS Sectional Meeting	College of Charleston, Charleston, SC
April 1-2, 2017 (Sat-Sun)	AMS Sectional Meeting	Indiana University, Bloomington, IN
April 7, 2017 (Fri) ***TENTATIVE***	Agenda and Budget Committee (ABC) Meeting	WebEx meeting
April 10-18, 2017 (Mon-Tue)	Passover	---
April 14, 2017 (Fri)	Good Friday	---
April 16, 2017 (Sun)	Easter	---
April 22-23, 2017 (Sat-Sun)	AMS Sectional Meeting	Washington State University, Pullman, WA
April 24, 2017 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
April 29, 2017 (Sat)	AMS Council Meeting	Chicago, IL
May 5, 2017 (Fri)	Conference Board of the Mathematical Sciences (CBMS) Council Meeting	Washington, DC
May 6-7, 2017 (Sat-Sun)	AMS Sectional Meeting	Hunter College, CUNY New York, NY
May 18, 2017 (Thu) ***TENTATIVE***	AMS Committee on Committees Meeting	Ann Arbor, MI
May 19-20, 2017 (Fri-Sat) ***TENTATIVE***	AMS Executive Committee and Board of Trustees (ECBT) Meeting	Ann Arbor, MI
May 29, 2017 (Mon)	Memorial Day	*All AMS Offices Closed*
July 4, 2017 (Tue)	Independence Day	*All AMS Offices Closed*
July 23-28, 2017 (Sun-Fri)	Mathematical Congress of the Americas (MCA2017)	Montreal, Canada
July 26-29, 2017 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Chicago, IL
July 29-August 3, 2017 (Sat-Thu)	Joint Statistical Meetings (JSM)	Baltimore, MD
August 14, 2017 (Mon)	Victory Day	*AMS RI Office Closed DC & MI Offices Open*
September 4, 2017 (Mon)	Labor Day	*All AMS Offices Closed*
September 9-10, 2017 (Sat-Sun)	AMS Sectional Meeting	University of North Texas
September 20-22, 2017 (Wed-Fri)	Rosh Hashanah	---

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
September 23-24, 2017 (Sat-Sun)	AMS Sectional Meeting	University of Central Florida, Orlando, FL
September 29-30, 2017 (Fri-Sat)	Yom Kippur	---
October 4-11, 2017 (Wed-Wed)	Sukkot	---
October 6, 2017 (Fri) ***TENTATIVE***	Agenda and Budget Committee (ABC) Meeting	Providence, RI
October 9, 2017 (Mon)	Columbus Day	*AMS RI & DC Offices Closed* *MI Office Open*
October 30, 2017 (Mon)	Joint Policy Board for Mathematics (JPBM) Meeting	Washington, DC
November 4-5, 2017 (Sat-Sun)	AMS Sectional Meeting	UC-Riverside
November 11, 2017 (Sat)	Veterans' Day	---
November 17-18, 2017 (Fri-Sat) ***TENTATIVE***	AMS Executive Committee and Board of Trustees (ECBT) Meeting	Providence, RI
November 23, 2017 (Thu)	Thanksgiving Day	*All AMS Offices Closed*
November 24, 2017 (Fri)	Day after Thanksgiving	*AMS RI & DC Offices Closed* *MI Office Open*
December 1, 2017 (Fri)	Conference Board of the Mathematical Sciences (CBMS) Council Meeting	Washington, DC
December 12-20, 2017 (Tue-Wed)	Hanukkah	---
December 25, 2017 (Mon)	Christmas Day	*All AMS Offices Closed*
January 1, 2018 (Mon)	New Year's Day	*All AMS Offices Closed*
January 9, 2018 (Tue)	AMS Council Meeting	San Diego, CA
January 10-13, 2018 (Wed-Sat)	AMS-MAA Joint Mathematics Meetings (JMM)	San Diego, CA
January 15, 2018 (Mon)	Martin Luther King, Jr. Day	*All AMS Offices Closed*
February 19, 2018 (Mon)	President's Day	*AMS DC Office Closed* *RI & MI Offices Open*
March 30, 2018 (Fri)	Good Friday	---
April 1, 2018 (Sun)	Easter	---

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
May 28, 2018 (Mon)	Memorial Day	*All AMS Offices Closed*
July 4, 2018 (Wed)	Independence Day	*All AMS Offices Closed*
July 28-August 2, 2018 (Sat-Thu)	Joint Statistical Meetings (JSM)	Vancouver, BC, Canada
July 29-30, 2018 (Sun-Mon)	International Mathematical Union (IMU) General Assembly	São Paulo, Brazil
August 1-4, 2018 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Denver, CO
August 1-9, 2018 (Wed-Thu)	International Congress of Mathematicians (ICM 2018)	Rio de Janeiro, Brazil
August 13, 2018 (Mon)	Victory Day	*AMS RI Office Closed* *DC & MI Offices Open*
September 3, 2018 (Mon)	Labor Day	*All AMS Offices Closed*
October 8, 2018 (Mon)	Columbus Day	*AMS RI & DC Offices Closed* *MI Office Open*
November 11, 2018 (Sun)	Veterans' Day	---
November 12, 2018 (Mon)	Veterans' Day observed	*AMS RI Office Closed* *DC & MI Offices Open*
November 22, 2018 (Thu)	Thanksgiving Day	*All AMS Offices Closed*
November 23, 2018 (Fri)	Day after Thanksgiving	*AMS RI & DC Offices Closed* *MI Office Open*
December 25, 2018 (Tue)	Christmas Day	*All AMS Offices Closed*
January 15, 2019 (Tue)	AMS Council Meeting	Baltimore, MD
January 16-19, 2019 (Wed-Sat)	AMS-MAA Joint Mathematics Meetings (JMM)	Baltimore, MD
July 27-August 1, 2019 (Sat-Thu)	Joint Statistical Meetings (JSM)	Denver, CO
July 31-August 3, 2019 (Wed-Sat)	Mathematical Association of America (MAA) MathFest	Cincinnati, OH

DATE	MEETING/HOLIDAY/RELIGIOUS OBSERVANCE	SITE
January 14, 2020 (Tue)	AMS Council Meeting	Denver, CO
January 15-18, 2020 (Wed-Sat)	AMS-MAA Joint Mathematics Meetings (JMM)	Denver, CO
August 1-6, 2020 (Sat-Thu)	Joint Statistical Meetings (JSM)	Philadelphia, PA
January 5, 2021 (Tue)	AMS Council Meeting	Washington, DC
January 6-9, 2021 (Wed-Sat)	AMS-MAA Joint Mathematics Meetings (JMM)	Washington, DC

AMERICAN MATHEMATICAL SOCIETY
MINUTES OF THE COUNCIL
BUSINESS BY MAIL
21 DECEMBER 2015

Executive Committee Election

In an electronic ballot dated 21 December 2015, there were 28 votes cast, by:

Matthew Baker
Hélène Barcelo
Susanne Brenner
Robert Bryant
Jesus De Loera
Richard Durrett
Lisa Fauci
Sergey Fomin
Edward Frenkel
Susan Friedlander
Pamela Gorkin
Allan Greenleaf
Jane Hawkins
Tara Holm
Carlos Kenig
Michael Larsen
Wen-Ching Winnie Li
Susan Montgomery
Ken Ono
Nataša Pavlović
Amber Puha
Kenneth Ribet
Carla Savage
Michael Singer
Ronald Solomon
Jennifer Taback
David Vogan
Steven Weintraub

The result of this election was:

Allan Greenleaf	10
Jennifer Taback	17
Abstain	1

Accordingly, Taback was appointed to the Executive Committee for a term of two years, beginning 01 February 2016 and ending when a replacement is determined in the election of February 2018.

Carla D. Savage
Secretary
December 21, 2015

2015 Election

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

Survey&Ballot systems

SUMMARY

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

Eligible Voters:	27,908
Paper Ballots:	204
Web Ballots:	3,613
Duplicate Web/Paper Ballots:	0
Final Web Ballots:	3,613
Total Returns:	3,817
Percent Returned:	13.68%

Certified by Survey & Ballot Systems

Melissa Fiala 11/9/2015

Melissa Fiala — Date

Quality Assurance Specialist

Amy C. Ebli 11/9/2015

Date

Notary Public

AMY CATHERINE EBLI
NOTARY PUBLIC-MINNESOTA
My Commission Expires
January 31, 2017

RESULTS

DirectVotePlus

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

President (2 Years)

Vote for: 1	Votes	Percent	
Kenneth A. Ribet	1,948	53.9%	DECISION
Mark L. Green	1,651	45.7%	
Write-in – only if different than above	15	0.4%	

Total Valid Ballots:	3,614
Total Unexercised:	203
Total Invalid:	0
Total Ballots Cast:	3,817

Vice President (3 Years)

Vote for: 1	Votes	Percent	
Richard Schoen	1,352	38.4%	DECISION
Catherine A. Roberts	1,320	37.5%	
Raman Parimala	839	23.8%	
Write-in – only if different than above	10	0.3%	

Total Valid Ballots:	3,521
Total Unexercised:	294
Total Invalid:	2
Total Ballots Cast:	3,817

RESULTS

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

Board of Trustees (5 Years)

Vote for: 1	Votes	Percent	
Bryna Kra	2,020	58.9%	DECISION
Sheldon Katz	1,399	40.8%	
Write-in – only if different than above	9	0.3%	

Total Valid Ballots:	3,428
Total Unexercised:	389
Total Invalid:	0
Total Ballots Cast:	3,817

RESULTS

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

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

Vote for: 5	Votes	Percent	
Henry Cohn	1,701	49.2%	DECISION
Erica Flapan	1,687	48.8%	DECISION
Anna Mazzucato	1,519	43.9%	DECISION
Alicia Dickenstein	1,446	41.8%	DECISION
Alan William Reid	1,379	39.9%	DECISION
Wilfrid D. Gangbo	1,196	34.6%	
Edray Herber Goins	1,068	30.9%	
Yang Wang	882	25.5%	
Tasso J. Kaper	838	24.2%	
Xiaoming Wang	707	20.4%	
Bogdan D. Suceavă	590	17.1%	
Write-in – only if different than above	16	0.5%	
Write-in – only if different than above	6	0.2%	
Write-in – only if different than above	2	0.1%	
Write-in – only if different than above	1	0.0%	
Write-in – only if different than above	1	0.0%	

Total Valid Ballots:	3,460
Total Unexercised:	357
Total Invalid:	0
Total Ballots Cast:	3,817

RESULTS

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

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

Vote for: 6	Votes	Percent	
Carolyn Gordon	2,026	62.6%	DECISION
Karen Hunger Parshall	1,842	57.0%	DECISION
David R. Morrison	1,618	50.0%	DECISION
William Yslas Vélez	1,413	43.7%	
Kevin P. Knudson	1,308	40.4%	
Andrew J. Bernoff	1,277	39.5%	

Total Valid Ballots:	3,234
Total Unexercised:	583
Total Invalid:	0
Total Ballots Cast:	3,817

RESULTS

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

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

Vote for: 4	Votes	Percent	
Laura DeMarco	2,169	67.1%	DECISION
Tatiana Toro	2,000	61.9%	DECISION
Jeffrey Brock	1,591	49.2%	
Mladen Bestvina	1,450	44.8%	

Total Valid Ballots:	3,233
Total Unexercised:	584
Total Invalid:	0
Total Ballots Cast:	3,817

WRITE-IN

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

President (2 Years)	
Annalisa Crannell	1
Christopher K.R.T. Jones	1
David R. Morrison	1
Irena Swanson	1
James D. Stasheff	1
Jennifer McNulty	1
Mark A. Stern	1
no preference	1
R Shivaji UNCG	1
Raman Parimala	1
Roger M. Temam	1
Somebody Younger	1
Tom Kurtz	1
William Goldman	1
Zim M Olson	1

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

WRITE-IN

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

Vice President (3 Years)	
BILL JACOB	1
David Wright	1
Irena Lasieska	1
Jerzy Dydak	1
Kenneth A. Ribet	1
Kenneth I. Gross	1
Natalia Sternberg	1
no preference	1
Roger M. Temam	1
Tsit Yuen Lam	1

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

WRITE-IN

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

Board of Trustees (5 Years)	
A Castro	1
Constantine Dafermos	1
Eric Carlen	1
George Bergman	1
IRENA LASIECKA	1
Jerzy Dydak	1
no preference	1
Roger M. Temam	1

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

WRITE-IN

DirectVotePlus

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

Member-at-Large of the Council (3 Years)	
Akram Aldroubi	1
Anna Gilbert	1
David Vogan	1
IRENA LASIECKA	1
James C Gay III	1
Jerzy Dydak	1
John Mallet-Paret	1
John Morgan	1
Mark A. Stern	1
MARY ANN HORN	1
Michael Kinyon	1
Moon Duchin	1
Moss Sweedler	1
Nate Brown	1
no preference 1	1
no preference 2	1
no preference 4	1
no preference 5	1

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

WRITE-IN

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

Member-at-Large of the Council (3 Years)	
Robert B. Kusner	1
Roger M. Temam	1
Sheldon Katz	1
Shui-Nee Chow	1
Stephen Robinson	1
Walter Craig	1
Walter Strauss	1
Wilfried Schmid	1

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

VOTERS BY MEMBER TYPE

DirectVotePlus®

AMERICAN MATHEMATICAL SOCIETY
2015 ELECTION

Member Type	Total Members	Paper Ballots	Web Ballots	Total Ballots	% Received	% Participation
AFFIL-BULL	675	3	157	160	23.7%	4.2%
AFFIL-NOTI	1,493	3	283	286	19.2%	7.5%
CONT	34	2	9	11	32.4%	0.3%
EMER	2,556	70	329	399	15.6%	10.5%
FAM-P-H	29	0	10	10	34.5%	0.3%
FAM-P-L	26	0	9	9	34.6%	0.2%
FAM-S-H	20	0	6	6	30.0%	0.2%
FAM-S-L	29	1	9	10	34.5%	0.3%
GRADST	115	1	12	13	11.3%	0.3%
INTRO	1,992	8	316	324	16.3%	8.5%
LIFE	1,341	29	388	417	31.1%	10.9%
NOM	226	1	34	35	15.5%	0.9%
NOM-G	11,393	1	347	348	3.1%	9.1%
NOM-S	347	0	25	25	7.2%	0.7%
RECIP	1,679	9	323	332	19.8%	8.7%
RECIP-H	16	0	11	11	68.8%	0.3%
RECIP-L	15	0	4	4	26.7%	0.1%
REG-H	2,047	30	609	639	31.2%	16.7%
REG-L	2,896	25	618	643	22.2%	16.8%
RET	671	15	84	99	14.8%	2.6%
STUDENT	227	2	22	24	10.6%	0.6%
UNEM	81	4	8	12	14.8%	0.3%
Totals	**27,908**	**204**	**3,613**	**3,817**	**13.7%**	**100.0%**

Strategic Planning: Background, History and Process

In 1991, the Society completed a comprehensive strategic planning process. The effort was guided by a Strategic Planning Task Force consisting of members of the Long Range Planning Committee (LRPC) and seven other volunteer leaders. It was a formal process involving an outside consulting firm, and including lengthy discussions, interviews, surveys and retreats. The resulting plan was approved by both the Executive Committee and Board of Trustees (ECBT) and Council.

The 1991 Strategic Plan has served the AMS well for over twenty years by articulating the Society's mission, vision, goals, and objectives. It was transformative in many ways, leading to a more efficient, streamlined governance structure, including the establishment of five policy committees: Education, Meetings and Conferences, the Profession, Publications, and Science Policy. The 1991 Strategic Plan also led to the orderly development of an effective annual Operating Plan organized around departments and divisions, and the later introduction of cyclical Program Planning.

At its May 2013 meeting, the ECBT agreed that it was time to carry out strategic planning of carefully considered scope and depth. The President appointed a Strategic Planning Oversight Committee Kernel (SPOCK) from among the members of the LRPC and senior staff. Its members are: Ralph Cohen (EC), Mark Green (BT), Bus Jaco (BT), Donald McClure (Executive Director), Emily Riley (Chief Financial Officer), Carla Savage (Secretary), and David Vogan (President). Karen Mollohan (Special Projects Manager) provides staff support. In February 2015, Robert Bryant joined SPOCK.

The Executive Director also appointed a Strategic Planning Employee Group (Employee Group), which consists of himself and the Division Directors. This Group has provided input to SPOCK regarding the scope of the effort and suggested the major subtopics in each of the planning areas: Membership Organization, Publishing, and Mathematical Reviews.

Membership, Professional Services, and Washington Activities

McKinley Advisors was selected to consult with the AMS on strategic planning with a focus on membership, professional services, and the advocacy and government relations activities of the Washington Office. Work was completed in four dimensions:

- ***Capture staff and leader's visions and perceptions.*** McKinley conferred with the combined SPOCK-Employee Group (Combined Group) and interviewed key staff and volunteer leaders, who have important insights and perceptions about the current state of AMS, its membership, issues affecting the field, as well as visions for AMS' future. The objective was to capture input on and identify key audiences and opportunities related to AMS' leadership in the mathematics field. Volunteer leaders also reflected on their experiences as members.
- ***Data review and gap analysis.*** McKinley reviewed AMS' existing data related to member and non-member needs, satisfaction and other topics and conducted a gap analysis to determine if any additional research activities were needed to accomplish project goals. The objective was to ensure AMS hears from member and non-member audiences about their needs, motivations, experiences and visions for the future of the mathematics and the role of the AMS.

- ***Research Activities.*** Based on their data review and gap analysis, McKinley recommended an electronic survey to inform the strategic plan. Working with the Combined Group, McKinley tailored an appropriate research methodology, defined audience segments and cross-tabulations to maximize data usefulness, composed survey questions, and developed a communications strategy to drive maximum participation.

  In early 2015, McKinley administered the survey; it was distributed to an email list of 38,670 individual addresses including the entire AMS membership and groups of nonmembers. Over 4,800 responses were received. The results were captured, analyzed, prepared and delivered along with the raw data, including data tables and cross-tabulations.

- ***Plan Development and Refinement.*** At the November 2014 ECBT Meeting, McKinley provided a project overview; reviewed key themes from interviews with staff and volunteer leaders; presented findings from the data review; and provided an overview of the electronic survey. McKinley engaged the ECBT in a high-level discussion, to confirm that the Society's mission and vision is still accurate, compelling, and that it still speaks accurately to why the Society exists.

McKinley and SPOCK participated in a Strategic Planning Retreat, held in March 2015 in Washington, D.C. Strategic plan elements that surfaced at the November 2014 ECBT Meeting and in conversations with the Combined Group were summarized to include a confirmed mission, core values, goals, three to five year strategic objectives, and outcomes. The discussion topic at the April 2015 Council Meeting was, *AMS Membership: Is it still relevant for mathematicians?* Suggestions and observations from this discussion were shared with the Combined Group.

At the May 2015 ECBT Meeting, McKinley presented key highlights from the electronic member survey, the outcomes of the retreat, including a draft Strategy Map, and facilitated a discussion with the ECBT to incorporate any additional edits or updates to the Map. The Employee Group and the Staff Executive Committee (SEC) went on to collaborate on a set of actionable strategic initiatives and measures through which the goals and objectives can be attained. SPOCK provided input and proposed changes. The Strategic Initiatives were presented to the ECBT in November 2015 and were approved as a framework for implementation of the strategic plan.

Key survey findings:

Top Professional Challenges

Among the respondents in academia (90 percent of the respondents), the three top challenges are:

- Making progress in my research (cited by 45 percent)
- Balancing teaching and research (cited by 36 percent)
- Obtaining grants/funding (cited by 35 percent)

Among the respondents working in a nonacademic setting (10 percent of the respondents), the three top challenges are:

- Staying up-to-date on news and trends in the field (cited by 45 percent)
- Making progress in my research (cited by 33 percent)
- Progressing in my career (cited by 26 percent)

Not surprisingly, the top three challenges vary with the years of professional experience. Among the respondents with one to five years of experience, the three top challenges are:

- Getting a job (cited by 52 percent)
- Making progress in my research (cited by 46 percent)
- Progressing in my career (cited by 32 percent)

Among the respondents with twenty or more years of experience, the three top challenges are:

- Making progress in my research (cited by 45 percent)
- Balancing teaching and research (cited by 33 percent)
- Obtaining grants/funding (cited by 33 percent)

Future Priorities

Respondents were asked to categorize the relative importance of eleven different activities for the AMS. The four top-ranked activities were:

1. Support and encourage young mathematicians and individuals pursuing undergraduate /graduate degrees in mathematics.
2. Increase advocacy efforts on key issues, such as support for basic research.
3. Promote awareness and appreciation of the importance of mathematics among the public.
4. Create programs to promote and foster diversity in the mathematics profession.

Publishing

In February 2013 Robert Harington joined the AMS as AED for Publishing. He was formerly Publisher at AIP and had a leading role in strategic planning for AIP's publishing business. The Publishing Strategy Group (PSG), led by Robert Harington with representation across the Publishing Division, Editorial Division, and Mathematical Reviews, was formed as the internal group responsible for driving strategic development.

PSG planning was actually underway before AMS Governance launched society-wide strategic planning initiatives. The initial goal for PSG was to develop a project-based strategic and operational approach to publishing development. PSG engaged in developing a "living" publications strategy plan by identifying key areas of focus across journals, books and MathSciNet. Planning was to be a continuous evolutionary exercise, and not a one-time report. A key component to the initial stage of strategic development was for PSG to set the themes for projects that would involve staff at all levels. The notion was that if staff were closely involved in strategic development then there would be greater likelihood of ideas and innovation surfacing, and greater buy-in to the final strategic plan.

In July 2013 the Society engaged the services of DeltaThink Consultants to do a market survey of AMS members regarding the publication program. The survey specifically delved into member perceptions and usage of AMS econtent in ebooks, journals, MathSciNet and social media. A total of 6815 members of the AMS across all sectors of age and membership level were surveyed. The survey had a 22% response rate from AMS members surveyed. Some highlights of key findings are:

- AMS Members see significant value in both print and ebooks

- 89% of members use Google at least monthly for seeking math content, followed by arXiv and then MathSciNet
- Younger audiences are less aware of MathSciNet's connection to Mathematical Reviews
- Over 35% of all age groups print out journal articles for reading, though reading online is most common in the younger generation
- Mathematicians not inclined to use professional social networking tools
- Notices and Bulletin seen as significant member benefits in print, despite being freely available to all on line.

Strategic planning for the Publishing Division continued to develop through the activities of the Publishing Strategy Group (PSG). PSG engaged inclusion of AMS volunteers. Board of Trustees members, Mark Green and William Jaco participated in PSG meetings for a collaborative approach to developing a second iteration of the Publishing Strategic Plan.

In September 2014 Mark Ware (Publishing Consultant) was engaged to review the progress of strategic planning in AMS Publishing. Mark Ware was tasked with reviewing the progress of strategic planning in AMS Publishing and developing a proposal for detailed strategic planning for MathSciNet.

In fall 2014, Mark Ware reported that "AMS has made good progress on a number of fronts towards its publishing strategy plan…" The big question that Mark Ware asked was how the AMS should develop a more complete approach to strategic planning. Mark Ware indicated that the AMS needed to think through the "big picture" of the publishing landscape, considering AMS publishing in terms of user preferences and needs, and developing a good understanding of market conditions, and competitor and technology trends, while continuing the approach of project based strategic planning involving staff and AMS governance.

PSG considered Mark Ware's report as excellent advice in determining next steps for the publishing program. PSG pointed out that it is important for AMS to balance the business drivers for a publishing program with the understanding that AMS as a professional society is mission driven. It was clear that part of the AMS mission is to provide content in a range of forms, be they books, journals or databases, in a range of fields. It was understood that strategy development needed to account for a balance between its service to the mathematics community and business concerns. This balance of service and business was seen as the defining characteristic of AMS as a society publisher.

In collaboration with Governance, PSG then developed a comprehensive approach to a second iteration of publishing strategic planning through future scenario planning in combination with short/medium term project work.

Future scenario analysis involved considering likely trends across mathematics and in the publishing environment, alongside some of the key disruptive changes in technology. In addition, competitor research and user behavior analysis (Delta Think Survey) were undertaken. These pieces of collaborative work formed the basis for the strategic initiatives developed for consideration by SPOCK in October 2015, and subsequently ECBT in November 2015, and the Council of the AMS in January 2016.

The Council also received the annual report of the AMS Committee on Publications (CPub) at its January 9, 2015 meeting. Charles Weibel, chair of the CPub subcommittee that conducted the 2014 review, presented an overview of the 2014 Report of the Subcommittee Reviewing the AMS Primary Journals.

In its report, the Subcommittee made several recommendations including the following unanimous recommendation to Council: ***AMS should increase the capacity of its research journals in order to better serve the mathematical community.*** As implementation of strategic initiatives starts, we expect that the Council will discuss directions for developing new content of AMS publications at the April 2016 meeting.

The AMS strategic initiatives for publishing take account of CPub's recommendation in addition to initiatives developed through PSG and governance planning.

Mathematical Reviews / MathSciNet

As part of the strategic planning program for the AMS, a separate activity for Mathematical Reviews was initiated, spun off from the strategic planning for Publishing. The MathSciNet Strategic Planning Group (MSPG) was formed, consisting of staff from Ann Arbor and Providence, plus Ron Solomon (Chair of MREC). The work was aided by Mark Ware, a respected publishing consultant. The oversight group was SPOCK plus Ron Solomon (Chair of MREC), referred to as MR-SPOCK.

At its April 26, 2014 meeting the Council discussion topic was *MathSciNet.* Guests of the Council were invited to participate in this discussion, which lasted for approximately 48 minutes. This discussion informed the activities of the Mathematical Reviews Strategic Planning Group. Over the course of the 18 months from that meeting to the ECBT meeting in November 2015, the MSPG group conducted marketing research, market analysis, an internal review including a technology scan, and scenario analyses. The work included a broad survey of mathematicians, site visits to seven colleges and universities, and an analysis of our competitors. Once the research was done, the group embarked on evaluating possible strategies to recommend to MR-SPOCK.

By October 2015, clear themes had been identified:

- The need to upgrade the user interface and the general user experience;
- The need to establish greater connections between MathSciNet and the other tools used by mathematicians, such as the arXiv, MathOverflow, Google, and Wikipedia;
- Development and innovation of MathSciNet;
- The need to diversify our reach, as defined by institution type, geography, and economics;
- Management of the internal workflow at Mathematical Reviews;
- Enhanced marketing of MathSciNet.

These themes led to the development of a set of four strategic initiatives for Mathematical Reviews / MathSciNet.

Drafts of the strategic initiatives and MSPG's report were discussed by MREC at their October 2015 meeting. After further refinement by the Staff Executive Committee (SEC), the initiatives and report

were provided to MR-SPOCK. With MR-SPOCK's approval, they were forwarded to the ECBT. At the November 2015 ECBT meeting, the initiatives were endorsed by the ECBT.

The strategic initiatives provide a path that ensures the future of Mathematical Reviews and MathSciNet, both as a tool for researchers and as an important contributor to the financial security of the AMS.

AMS
American Mathematical Society

Mission

To further the interests of mathematical research, scholarship and education, serving the national and international community through publications, meetings, advocacy and other programs.

Core Values: Discovery Integrity Collegiality Inclusiveness

Goals

1. Promote mathematical research, its communication and uses
2. Encourage and promote the transmission of mathematical understanding and skills
3. Support mathematical education at all levels
4. Advance the status of the profession of mathematics, encouraging and facilitating full participation of all individuals
5. Foster an awareness and appreciation of mathematics and its connections to other disciplines and everyday life

Objectives

Membership and Programs

A. Continually foster innovations and tools that facilitate and advance mathematics research
B. Develop effective methods to enhance the relevance and value of the AMS' individual and institutional membership
C. Position the AMS as the essential resource that supports mathematicians throughout their education and careers
D. Monitor and provide leadership on key issues impacting mathematics research, practice, and education

Communication and Outreach

E. Strengthen and diversify member communications emphasizing electronic delivery methods and timely, relevant content tailored to members' professional interests
F. Develop and disseminate programs that support and strengthen the AMS' commitment to diversity and inclusion in mathematics
G. Enhance the AMS' impact and influence as a strong, effective, credible voice on relevant science policy issues
H. Raise awareness and understanding of the relevance, value and importance of mathematics among key public audiences

Initiatives

- Diversity and Inclusion
- Advocacy, Awareness and Visibility
- Membership Development
- Portfolio Coherence
- Research and Publishing

Outcomes

- A robust pipeline and portfolio of programs, products and services to advance mathematics research, education and careers
- Increased member awareness of, and participation in, the AMS' programs and services
- Increased representation of mathematicians on key science policy groups
- Increased activity to promote growth in public understanding of the importance and impact of mathematics

STRATEGIC INITIATIVES

Strategic Initiative: Diversity and Inclusion

By promoting diversity and inclusion, the AMS will be a leader in serving *all* parts of the mathematical community.

A. Establish the Department of Education and Diversity

B. Design Models for Assuring Accessibility of Essential Research Tools to All Parts of the Mathematical Sciences Community

C. Include All Parts of the AMS Membership in Direction of the Society's Support of Research and Scholarship

D. Serve All Members of the AMS and of the Broader Mathematics Community with Resources to Facilitate Progress in Research and to Enable Professional Advancement

Strategic Initiative: Advocacy, Awareness & Visibility

The AMS will become the recognized resource about the mathematical sciences by raising its visibility to diverse constituencies including its membership, the media, strategic partners, policymakers and other public groups.

A. Create new and consistent branding across the AMS for its publications, programs and services.

B. Increase the promotion of the AMS, its publications, programs and services through consistent and effective communication and branding.

C. Create an enhanced level of participation in advancing public policy

D. Capture the attention of the mathematics community and engage it in AMS programs and services

E. Promote a broader public appreciation for mathematics

Strategic Initiative: Membership Development

Through recruitment and improved communication, the AMS will increase the number of its members and their level of engagement with the Society.

A. Establish the Department of Membership Development.

B. Identify the needs of AMS members and potential members.

C. Assess the dues structure, dues rates, and membership benefits.

Strategic Initiative: Develop and promote a coherent portfolio of programs, meetings, publications and professional services.

By reinforcing some existing programs and perhaps creating new ones, the AMS will establish itself as an essential resource that supports mathematicians at all stages of their careers.

A. Assess existing AMS programs, meetings, and professional services.

B. Evaluate the portfolio of AMS programs as a whole.

C. Communicate the value of the programs, publications, and professional services that the AMS offers.

Strategic Initiatives: Mathematical Reviews / MathSciNet

A. Ensure the value of MathSciNet as a tool for researchers

B. Integrate MathSciNet into the daily habits of mathematicians

C. The AMS will ensure the future financial success and growth of revenue streams of MathSciNet.

D. Increase the reach of MathSciNet to all mathematicians.

Strategic Initiative: Publishing

The AMS will be a leader in serving all parts of the global mathematics community, with a special emphasis on providing benefits to AMS members.

A. Develop Innovative Tools for Research and Teaching

B. Publish More Mathematics Content

C. Grow Publishing's Financial Contribution to the AMS Operating Income