AMERICAN MATHEMATICAL SOCIETY
EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES MEETING
NOVEMBER 19-20, 2010

MINUTES

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AMERICAN MATHEMATICAL SOCIETY
EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES MEETING
NOVEMBER 19-20, 2010

MINUTES

A joint meeting of the Executive Committee of the Council (EC) and the Board of Trustees (BT) was held Friday - Saturday, November 19-20, 2010, at the AMS Headquarters in Providence, Rhode Island.

All members of the EC were present: George E. Andrews, Ruth M. Charney, Robert J. Daverman, Eric M. Friedlander, Craig L. Huneke, Bryna Kra, and Joseph H. Silverman.

All members of the BT were present: George E. Andrews, John B. Conway, John M. Franks, Mark L. Green, Linda Keen, Ronald J. Stern, Karen Vogtmann, and Carol S. Wood.

Jane M. Hawkins (Treasurer Elect) was also present.

Also present were the following AMS staff members: Thomas J. Blythe (Chief Information Officer), Graeme Fairweather (Executive Editor, Mathematical Reviews), Sergei Gelfand (Publisher), , Ellen H. Heiser (Assistant to the Executive Director [and recording secretary]), Elizabeth A. Huber (Associate Executive Director, Publishing), Ellen J. Maycock (Associate Executive Director, Meetings and Professional Services), Donald E. McClure (Executive Director), Emily D. Riley (Chief Financial Officer), and Samuel M. Rankin (Associate Executive Director, Washington Office).

President George Andrews presided over the EC and ECBT portions of the meeting (items beginning with 0, 1, or 2). Board Chair Carol Wood presided over the BT portion of the meeting (items beginning with 3).

Items in these minutes occur in numerical order, which is not necessarily the order in which they were discussed at the meeting.

0 CALL TO ORDER AND ANNOUNCEMENTS

0.1 Opening of the Meeting and Introductions. *ANDREWS.*

President Andrews called the meeting to order and asked those present to introduce themselves.

0.2 2010 AMS Election Results.

Secretary Daverman announced the following election results:

Vice President
Barbara Lee Keyfitz, Ohio State University
Term is three years (1 February 2011 - 31 January 2014)

Trustee
William H. Jaco, Oklahoma State University
Term is five years (1 February 2011 - 31 January 2016)

Members at Large of the Council
Matthew Ando, University of Illinois, Urbana-Champaign
Estelle Basor, American Institute of Mathematics
Patricia Hersh, North Carolina State University
Tara S. Holm, Cornell University
T. Christine Stevens, Saint Louis University
Terms are three years (1 February 2011 - 31 January 2014)

Nominating Committee
Richard A. Brualdi, University of Wisconsin, Madison
Donal O'Shea, Mount Holyoke College
Gunther Uhlmann, University of Washington
Terms are three years (1 January 2011 - 31 December 2013)

Editorial Boards Committee
John R. Stembridge, University of Michigan
Sergei K. Suslov, Arizona State University
Terms are three years (1 February 2011 - 31 January 2014)

0.3 Housekeeping Matters.

Executive Director McClure mentioned some details about the schedule and arrangements for the events that took place during this meeting.

1 EXECUTIVE COMMITTEE ACTION/DISCUSSION ITEMS

1.1 Draft Agenda for the January 2011 Council Meeting.

The EC reviewed the draft agenda for the January 2011 Council meeting and approved it.

The EC recommended that the Council approve asking the membership to vote on the Fellows Program in the 2011 AMS Election. It also suggested that a vote in favor of the Program by 55% of the members voting be considered the threshold for implementation.

As the discussion topic for the April 2011 Council meeting, it chose to repeat the topic tackled in 2006; namely, how to engage young mathematicians into the profession.

1I EXECUTIVE COMMITTEE INFORMATION ITEMS

1I.1 Secretariat Business by Mail. Att. #2.

Minutes of Secretariat business by mail during the months May – November 2010 are attached (#2).

2 EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES ACTION/DISCUSSION ITEMS

2.1 Report on Mathematical Reviews Editorial Committee (MREC). Att. #3.

The ECBT received the attached report (#3) on the October 18, 2010, MREC.

2.2 Report on Committee on Publications (CPub). Att. #4.

The ECBT received the attached report (#4) on the October 22-23, 2010, CPub meeting.

2.3 Report on Committee on the Profession (CoProf). Att. #5.

The ECBT received the attached report (#5) on the October 23-24, 2010, CoProf meeting.

2.3.1 Report on AMS Participation in the AWIS AWARDS Project. Att. #6.

Based at the Association for Women in Science (AWIS), the NSF-funded AWARDS (Advancing Ways of Awarding Recognition in Disciplinary Societies) program is working with seven professional societies, including the AMS, to "develop processes customized for each organization to foster the diversity of their scientific award recipients," as stated in the successful grant proposal. The AMS sent three volunteers (Georgia Benkart, Charles Epstein and Frank Morgan) to a workshop held in Washington, DC, on June 24-25, 2010. The ECBT received the

attached report (#6) from the AMS participants. A letter from Charles Epstein was also included in the attachment.

The ECBT was informed that this report was discussed at the October 2010 CoProf meeting and CoProf endorsed forming a committee to further consider its proposals. CoProf also voted to continue participation in the AWARDS project, but on a limited basis.

2.3.2 Recommendations from CoProf Regarding Nominee Membership. Att. #7.

CoProf appointed a Working Group last year to study ways to improve the current Nominee Program. The ECBT received the attached report (#7) of the Working Group and noted it was discussed by CoProf at its October 2010 meeting. CoProf endorsed most of the recommendations of the report.

2.4 Report on Committee on Education (COE). Att. #19.

The ECBT received the attached report (#19) on the October 29-30, 2010, COE meeting.

2.5 Report on Committee on Meetings and Conferences (COMC).

The ECBT was informed that the last COMC meeting was held March 20, 2010; a report on that meeting was given at the May 2010 ECBT meeting.

The next COMC meeting will be held on Saturday, March 26, 2011, in Chicago. David Farmer of the American Institute of Mathematics will chair COMC in 2011.

2.6 Report on Committee on Science Policy (CSP).

The ECBT was informed that the last CSP meeting was held on March 12-13, 2010; a report on that meeting was given at the May 2010 ECBT meeting.

The next CSP meeting will be held March 4-5, 2011 in Washington, DC.

CSP has confirmed that Sastry Pantula (North Carolina State University), the new Director of the Division of Mathematical Sciences at the National Science Foundation, will speak at the Joint Mathematics Meetings in New Orleans, LA in January 2011.

2.7 Washington Office Report. Att. #8.

The ECBT received the attached report (#8) on recent activities of the Washington Office.

2.8 Report from the President.

President Andrews commented on the following matters that are of particular interest to him:

- Research support for young faculty. It was reported that AMS has submitted a proposal to the Simons Foundation for support of travel grants to a total of 180 early career research mathematicians over a three-year period. [The AMS received word from the Simons Foundation later on November 20 that the proposal will be funded.]
- Reconsideration of an AMS fellows program proposal. It was noted that this will be discussed by the January 2011 Council – see item 1.1 above.
- "Big tent" issues. Following are two examples: AMS-MAA-SIAM joint membership (see item 2.11 below). AMS is now cosponsoring an invited address at the MAA MathFest and hopes to arrange something similar at the SIAM Annual Meeting.
- Mathematics education. It was reported that the Vermont Mathematics Initiative's "Raising Mathematics Achievement in Urban and Rural Schools" proposal to the Department of Education was NOT funded.

2.9 Report on Long Range Planning Committee (LRPC).

Executive Director McClure reported that the LPRC met on November 19, 2010 and discussed how the AMS might provide input for a study on "The Mathematical Sciences in 2025" being conducted the Board on Mathematical Sciences and Their Applications (BMSA). The study was commissioned by the Division of Mathematical Sciences (DMS) at NSF. One goal of the study is to "make recommendations to NSF's Division of Mathematical Sciences on how to adjust its portfolio of activities to improve the vitality and impact of the discipline."

The AMS has been contacted by BMSA Director Scott Weidman to solicit input from AMS leadership, committees, and other AMS constituencies. Communication with BMSA will be coordinated by the Secretary and Executive Director.

2.10.1 2012 Individual Member Dues. Att. #18.

The ECBT reviewed Att. #18, which presents the principles and procedures for setting individual member dues and information used by staff in formulating the recommendation that the 2012 dues rate for individual members be increased $4 above the 2011 level.

The ECBT concurred with the staff and voted to recommend to the January 2011 Council that 2012 regular high dues be increased by $4 (from $168 to $172).

2.10.2 Proposal for New Dues Rate for Targeted Membership Development.

The ECBT voted to recommend to the January 2011 Council that a new "Membership Development Introductory Rate" be established, equal to one-eighth of regular high dues, rounded to the nearest dollar. This new rate will be used for targeted membership development

initiatives and available to qualifying individuals who are new members for their first year of membership.

The new rate will be referred to generically as the *Membership Development Introductory Rate* and be renamed in a specific instance to fit the targeted group or incentive being promoted.

Use of this special rate would require approval of the Manager of Membership and Programs, the Associate Executive Director for Meetings and Professional Services, and the Executive Director.

2.11 Proposal Regarding Promotion of Joint Membership in AMS-MAA-SIAM. Att. #14.

Since early 2009, staff has tried to develop and implement a plan to promote a discounted dues rate for members of the mathematics community to become members of AMS, MAA, and SIAM. The goal is strongly supported by the Presidents of all three organizations. At the end of April, the three Presidents and three Executive Directors had agreed on some of the terms for joint membership, such as a formula for revenue sharing, and then sought input from staff of the three organizations.

In July, when both SIAM and CESSE were meeting in Pittsburgh, nine staff members concerned with membership promotion and information technology met to discuss implementation issues. All three societies were represented. A number of concerns were discussed and a new proposal developed.

The new proposal is attached (#14), the primary objective of which is membership *promotion*. The plan has been discussed with SIAM and MAA and will be presented to their governing bodies.

The ECBT voted to recommend the proposal to the January 2011 Council for approval.

2.12 Mathematical Congress of the Americas. Att. #9.

The ECBT was informed that discussions took place this fall about possibly establishing a "Mathematical Congress of the Americas." The vision (see Att. #9), spurred by Susan Friedlander and inspired by the success in recent years of the European Congress of Mathematics (ECM), is to have a quadrennial event held in years congruent to 1 modulo 4, which would avoid conflict with the ICM, ECM and ICIAM (International Congress on Industrial and Applied Mathematics).

Because representatives from several mathematical societies who have expressed interest in the venture will attend the upcoming Joint Mathematics Meetings, an initial session to explore feasibility has been scheduled there on January 6. 2011, and representatives from other prominent mathematical societies in North and South America have been invited to attend.

2.13 2011 Operating Plan and Program Plans.

The ECBT was informed that the following documents had been posted for their perusal:

- 2011 Operating Plan
- Program Plan on Facilities
- Update on 2008 Program Plan on Career and Employment Services

[It is noted for the record that after the final Section of the 2011 Operating Plan (Section VI - Report on Projects and Activities) is completed in spring 2012, a complete, official copy of the 2011 Operating Plan will be attached to record copies of the May 2012 ECBT minutes.]

2.14 Motions of the Secretary.

The following motions were approved by acclamation:

The Executive Committee and Board of Trustees of the American Mathematical Society record with thanks their appreciation of Linda Keen's two years of service to the Society as Associate Treasurer.

During her term in office, she has served with diligence and foresight, always guiding the Society's financial affairs with a steady hand. Because of her, the Society has maintained its financial security and ability to achieve its long-term goals. Her wise counsel will be missed by all.

The ECBT offers their special thanks to Professor Keen for her service and heartfelt good wishes for a happy and productive future.

The Executive Committee and Board of Trustees of the American Mathematical Society record their thanks to John B. Conway for his service to the Society as a member of the Board of Trustees during the past ten years. The ECBT expresses its gratitude to Professor Conway for his wisdom in contributing to the management of the Society and hopes to be able to draw upon his talents again.

The Executive Committee and Board of Trustees of the American Mathematical Society record their thanks to Ruth M. Charney for her service to the Society as a member of the Executive Committee during the past four years. The ECBT expresses its gratitude to Professor Charney for her thoughtful participation and hopes that she will continue to be available to serve the Society in other ways.

2C EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES CONSENT ITEMS

2C.1 May 2010 ECBT Meeting.

The ECBT approved the minutes of the meeting of the Executive Committee and Board of Trustees held May 21-22, 2010, in Providence, Rhode Island, which had been distributed separately. These minutes include:

- ECBT open minutes prepared by the Secretary of the Society
  http://www.ams.org/secretary/ecbt-minutes/ecbt-minutes-0510.pdf
- ECBT executive session minutes prepared by the Secretary of the Society

See also item 3C.1 below.

2I EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES INFORMATION ITEMS

2I.1 Congressional Fellow.

The American Mathematical Society (AMS) is sponsoring Hugh MacMillan as the AMS-AAAS Congressional Fellow for 2010-2011. He will be working in the office of Senator Robert Menendez (D-NJ).

The AMS plans to sponsor a Congressional Fellow again in 2011-2012. The deadline for receipt of applications for that fellowship is February 15, 2011. An announcement and information on the application process will be sent to mathematical sciences department chairs this fall, in addition to being publicized in the Notices and on the AMS website.

2I.2 AAAS-AMS Mass Media Fellowship.

The AMS sponsored Benjamin Pittman-Polleta, a recent graduate of the Ph.D. program in mathematics at the University of Arizona, as the AMS-AAAS Mass Media Fellow this past summer. He worked at the *Oregonian*, a daily newspaper in Oregon.

The AMS plans to sponsor a Mass Media Fellow again in 2011. The deadline for receipt of applications for that fellowship is January 15, 2011. An announcement and information on the application process will be sent to graduate students in the mathematical sciences this fall, in addition to being publicized in the Notices and on the AMS website.

2I.3 Public Policy Award.

Helaman Ferguson, a mathematician and sculptor, has designed and created the new AMS Public Policy Award memento. The award selection committee (George Andrews, James

Glimm, and Ronald Stern) has chosen Speaker of the House Nancy Pelosi to receive the award and the Executive Committee of the AMS has approved this choice.

The Washington Office is working to arrange the presentation of the award to Speaker Pelosi at a Capitol Hill reception this fall. The date of the reception will depend on her availability.

2I.4 Changes in Registration Fees for Conferences, Employment Center or Short Course.

The Executive Director is authorized to make changes in the above-mentioned registration fees and then inform the ECBT. There have been no changes made since the May 2010 ECBT meeting.

3 BOARD OF TRUSTEES ACTION/DISCUSSION ITEMS

3.1 Budget Review.

The BT discussed items 3.1.1 through 3.2.5 and then voted to approve the 2011 budget as presented (subject to the discussion of item 3E.2 [Salary Increments for 2011] in closed executive session).

3.1.1 Discussion of Fiscal Reports.

The BT received and discussed various fiscal reports, as well as a memo discussing major variances between 2010 projections and the 2010 budget, and between 2010 projections and the 2011 budget. See 3.1.

3.1.2 Capital Expenditures – 2010 and 2011 Capital Purchase Plans.

The BT reviewed the 2011 capital purchase plan and approved it as part of the 2011 budget. See item 3.1.

3.1.3 Capital Expenditures - Approval of Specific Purchases.

This item is reserved for requests for authorization to make specific large purchases (items costing $100,000 or more). There were no such items to approve at this meeting.

3.2 Spendable Income, Operations Support Fund and Other Related Items. Att. #11.

The Society uses its long-term investments for several purposes, and for that reason it divides its investments into various funds. The following five standing items deal with those funds – additions, transfers and spending.

The description of the way in which the AMS uses its long-term investment portfolio was presented in the Fiscal Reports that had been provided to the ECBT separately. A diagram summarizing this description is attached (#11).

3.2.1 Addition to Operations Support Fund (OSF).

At the November 2009 meeting, the Board approved the staff recommendation that the amount owed to operations from the long-term investment portfolio at December 31, 2009 would remain there and be officially added to the OSF. (The amount owed to operations arises as a result of spendable income netted against contributions to endowment and Board designated funds) The total so added at December 31, 2009 to the OSF was $2,296,297. No further additions to the OSF were made at the May 2010 ECBT meeting.

The amount due operations from the long-term investment portfolio at the end of 2010 is estimated to be approximately $1,916,113, principally consisting of spendable income, assuming that there is no precipitous downturn in the investment markets before year end. Although cash receipts for 2011 memberships and subscription renewals are well behind those of previous years, there is no pressing operational need for additional liquidity at this time, so leaving these funds invested as has been done in previous years is appropriate.

The BT approved the Chief Financial Officer's recommendation that the amount due operations from the long-term investment portfolio at 12/31/10 be used to fulfill any obligation to maintain the value of true endowment funds at their original gift amount. Further, any remaining operating funds in the long-term investment portfolio (projected to be $1,916,113) should remain there and be officially added to the OSF.

3.2.2 Rebalancing of Economic Stabilization and Operational Support Funds.

Under the policy adopted by the Board of Trustees at its May 2006 meeting, at the end of each fiscal year the allocated values of the Economic Stabilization Fund (ESF) and the Operations Support Fund (OSF) are rebalanced such that the ESF always equals the target balance. The BT reviewed a chart showing the increments and decrements in the OSF and ESF since their separation at 12/31/2000.

It was noted that the amount and direction of the rebalancing required at each year end is principally dependent upon the return on the long-term investment portfolio. Most likely, funds will be added to the OSF at year end, as the September 30 balance in the ESF exceeds the projected targeted balance.

3.2.3 Allocation of Operations Support Fund (OSF) Spendable Income.

The May 2001 Board of Trustees approved the following (from item 2E.5):

Income from reserves should be allocated to each year's budget to service and outreach programs of the Society (without specifying exactly which programs). The total amount

should be approved by the May ECBT, when revenue projections for the following year are made.

The BT was informed that the income from the OSF for 2010 and 2011, determined according to the guidelines approved by the BT are $1,451,100 and $1,645,100, respectively. Both the 2010 and 2011 amounts had been previously approved.

3.2.4 Appropriation of Spendable Income from Unrestricted Endowment. Att. #12.

The May 2001 Board of Trustees approved the following (from item 2E.5):

Each year, the budgeting process will include recommendations for allocating spendable income from the Unrestricted Endowment for specific projects. The allocated income will be treated as revenue for operations, offsetting (part of) the expenses. These recommendations will be brought to the Board for approval at its November meeting in the normal budgeting process. The goal will not be to use all the income from such funds each year, but rather to use some of the income every year for the support of mathematical research and scholarship. Using such income should be a regular part of our operations rather than an exceptional situation.

The 2011 revenue budget currently includes $266,400 of spendable income from true endowment funds whose use of income is unrestricted.

The BT approved the recommended appropriations for 2011 as outlined in Att. #12.

3.2.5 Report on Changes in Appropriated Spendable Income.

The Executive Director has the authority to transfer spendable income that will not be used on an approved project to another approved project, in case additional support is needed. A report of any such changes made in 2010 will be presented at the May 2011 ECBT meeting.

3.3 Investment Committee Report.

Investment Committee Chair John Franks reported on the Committee's November 19, 2010 meeting as follows:

Transacting with Fidelity Investments continues to be difficult. They do not have a mechanism for granting "trading" versus "administrative" authority. A Standing Letter of Instruction, executed by the Treasurers at the November 2009 BT meeting, extending the limited trading authority of specified staff, has become invalid. Fidelity has denied our request to draft a new Standing Letter because they are moving away from this practice. Staff has begun preliminary research on two Vanguard Funds: FTSE All World ex-US Fund Institutional Shares and the Total International Index Fund. The Committee recommends to the BT that the Fidelity account be closed and the funds transferred to

similar mutual fund(s) at Vanguard. Staff will research and recommend the specific mutual fund(s) to the Investment Committee for their approval.

The BT approved the above recommendation.

3.4 Audit Committee Report.

Audit Committee Chair John Franks reported on the Committee's November 19, 2010 meeting as follows:

- The BT was informed that the Audit Committee has directed staff to draft a conflict of interest form that would be signed by members of the Board and Board committees. This will be considered at the May 2011 Audit Committee meeting and a recommendation made to the May 2011 ECBT.

- The Audit Committee recommends that the BT direct staff to prepare a Request for Proposal to find a new auditing firm to audit the 2011 financials (the work for which will be conducted in 2012) and present proposals in a timely fashion for consideration by the Audit Committee.

The BT approved this recommendation and so directed the staff to prepare the Request for Proposal.

3.5 Report on Financial Software Implementation.

The BT received the following report:

There has been significant progress in the status of the project to implement the Epicor suite of financial software since May. The Fiscal Department is currently using the following modules: Epicor's Enterprise General Ledger, Purchasing, Accounts Payable and Accounts Receivable modules; Star Projects and Star Web Time Recorder; Advanced Allocations; and FRx – Report Package.

In June, the entire financial software system was successfully redeployed in an Active Directory environment and the system was moved into the Society's virtualized environment. Additionally, several of the priority items on our punch list, an integral component of our revised agreement, have been completed.

Implementation of the remaining modules has been scheduled. *Doc-Link* document management software will be implemented and training will be delivered in early November. Additional training on *Active Planner*, the budgeting module, will also take place in November; Fiscal expects to use Active Planner for the 2012 budget. By the end of 2010, the *Royalties* module will be implemented, and will be used for 2011 author royalties. Finally, implementation of the Business Intelligence module and the completion of the remaining, lower priority, punch list items are scheduled for the first quarter of 2011.

3.6 Report on Association Management Software Implementation.

The BT received the following report:

Since the May 2010 ECBT meeting, the Society's computing staff has been working with TMA Resources to complete the analysis and design of system modifications for the Personify association management software. Work has also been done to determine how to convert data from our existing systems for loading into Personify's database. Spending adequate time during the analysis and design phase of the project is important, because doing a thorough job reduces the number of surprises during development and implementation. Problems discovered during development and implementation can be very expensive to correct. At this time, the project is on target as far as the budget is concerned.

During the analysis and design process, AMS staff worked with TMA Resources to define the ideal system for supporting our business functions. We identified 45 modifications that would be required to make Personify meet that ideal. The initial estimated cost for these modifications far exceeded the budget for the development portion of the project.

AMS staff has been working with TMA Resources staff to reduce the cost of development to keep the project within its original budget. This will be accomplished by:

- eliminating those modifications that would have been nice to have, but are not required to conduct AMS business as it is currently defined
- modifying some AMS processes and procedures to work within Personify's base functionality
- having some development done by AMS staff
- using credit for a module that will not be used in order to fund the development of some of the modifications

The AMS received its final modification quote in mid-October. The Chief Information Officer is currently writing a memo listing the 45 modifications with the estimated cost and recommended disposition of each. This memo will be reviewed and approved by the Project's Core Implementation Team, as well as the Staff Executive Committee (Executive Director and Division Directors). When the list of modifications has been finalized and approved, a schedule for the remainder of the project will be created.

3.7 Trustees' Officers.

The Board elected Karen Vogtmann as Chair of the Board for the term February 1, 2011 – January 31, 2012.

The Board elected Ronald Stern as Secretary of the Board for the term February 1, 2011 – January 31, 2012.

3.8 Trustees' Committees, etc. Att. #13.

Board Chair Carol Wood made the appointments/assignments as shown on the attached list (#13).

3C BOARD OF TRUSTEES
CONSENT ITEMS

3C.1 May 2010 BT Closed Executive Session Meeting.

The BT approved the minutes of the closed executive session meeting of the Board of Trustees held May 22, 2010, in Providence, Rhode Island, which had been distributed separately.

3C.2 Request for Support of Speakers at 2012 AAAS Annual Meeting.

The BT authorized $12,000 to support mathematics speakers at the 2012 American Association for the Advancement of Science (AAAS) annual meeting and permit the Secretary of Section A of AAAS to over-commit funds up to 20%, with the understanding that the goal is not to exceed the target amount of $12,000.

3C.3 Resolution for Retirees.

The BT approved the following resolutions:

Be it resolved that the Trustees accept the retirement of Gary G. Brownell with deep appreciation for his faithful service over a period of 24 years. The Board expresses its profound gratitude for this long record of faithful service. It is through the dedication and service of its employees that the Society is able to effectively serve its members and the greater mathematical community. The Trustees offer Gary their special thanks and heartfelt good wishes for a happy and well-deserved retirement.

Be it resolved that the Trustees accept the retirement of Wayne S. Drady with deep appreciation for his faithful service over a period of 23 years. The Board expresses its profound gratitude for this long record of faithful service. It is through the dedication and service of its employees that the Society is able to effectively serve its members and the greater mathematical community. The Trustees offer Wayne their special thanks and heartfelt good wishes for a happy and well-deserved retirement.

Be it resolved that the Trustees accept the retirement of Muriel C. Toupin with deep appreciation for her faithful service over a period of 41 years. The Board expresses its profound gratitude for this long record of faithful service. It is through the dedication and service of its employees that the Society is able to effectively serve its members and the greater mathematical community. The Trustees offer Muriel their special thanks and heartfelt good wishes for a happy and well-deserved retirement.

3C.4 Recognition for Length of Service.

The BT approved the following proclamations for the employees noted:

20 years of service:

Tracy G. Bennett
Diane M. Boumenot
Assen L. Dontchev
Sergei Gelfand
Andrew S. Hafner
Anne E. Newcomb
Natalya Pluzhnikov
Sheila J. Rowland
Alden J. Simons
Christine M. Thivierge
Todd VanderDoes

The Board of Trustees takes great pride in recognizing _____ for twenty years of faithful service. It is through the dedication and service of its employees that the Society is able to effectively serve its members and the greater mathematical community. The Trustees offer _____ their special thanks and their best wishes.

25 years of service:

Elaine W. Becker
Deborah L. Bolton
Cheryl S. Dwyer
Colleen A. Rose
William E. TePaske-King

The Board of Trustees takes great pride in recognizing _____ who has devoted twenty-five years of service to the Society. The Board expresses its profound gratitude for this long record of faithful service. It is through the dedication and service of its employees that the Society is able to effectively serve its members and the greater mathematical

community. The Trustees offer their special thanks and their best wishes to _____ for being such a loyal employee and wish him/her well in the future.

30 years of service:

Thomas J. Blythe
Arthur Greenspoon
Patrick D. F. Ion
Donald Proulx
Smilka Zdravkovska

The Board of Trustees takes great pride in recognizing _____for the outstanding distinction of serving the Society for thirty years. The Board expresses its profound gratitude for this long record of faithful service to the Society. It is through the dedication and service of its employees that the Society is able to effectively serve its members and the greater mathematical community. The Trustees offer their special thanks and their best wishes to this loyal employee.

35 years of service:

Mary-Eileen Olson
Arlene O'Sean

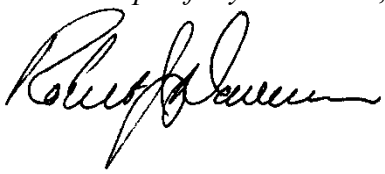
The Board of Trustees takes great pride in recognizing _____for the outstanding distinction of serving the Society for thirty-five years. The Board expresses its profound gratitude for this long record of faithful service. It is through the dedication and service of its employees that the Society is able to effectively serve its members and the greater mathematical community. The Trustees offer their special thanks and their best wishes to _____ for being such a loyal employee and wish her well in the future.

3I BOARD OF TRUSTEES
INFORMATION ITEMS

3I.1 Small Changes in Fringe Benefits.

The November 1996 BT authorized the Executive Director to approve changes in benefit plans (except for those changes which would significantly enhance or degrade the Society's financial health or relations with its employees) and asked that these changes be reported to the BT when appropriate. No changes have been made since the last ECBT meeting.

Respectfully submitted,



Robert J. Daverman, Secretary
Knoxville, Tennessee
January 10, 2011

AMERICAN MATHEMATICAL SOCIETY

Department of Mathematics, 302C Aconda Court
University of Tennessee, 1534 Cumberland Avenue
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Phone: 865-974-6900 Fax: 865-974-2892
www.ams.org

Robert J. Daverman, Secretary
Email: daverman@math.utk.edu

SECRETARIAT
Business by Mail
May 1, 2010

MINUTES
from the Ballot dated April 1, 2010

There were five votes cast by Georgia Benkart, Robert Daverman, Michael Lapidus, Matthew Miller and Steven Weintraub.

1. Approved electing to membership the individuals named on the list dated March 20, 2010.

2. Approved holding an Eastern Sectional Meeting at George Washington University in Washington, DC, on March 17-18, 2012.

3. Approved International Inst Membership for The ETH, Zurich, in Zurich, Switzerland.

4. Approved holding a Joint International Meeting of the AMS and the Romanian Mathematical Society, in partnership with the "Simion Stoilow" Institute of Mathematics of the Romanian Academy, in Alba Tulia, Romania, on June 27-30, 2013.

5. Approved the minutes of the Secretariat Business by Mail from the ballot dated March 1, 2010.

Robert J. Daverman

AMERICAN MATHEMATICAL SOCIETY

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Robert J. Daverman, Secretary
Email: daverman@math.utk.edu

SECRETARIAT
Business by Mail
June 1, 2010

MINUTES
from the Ballot dated May 3, 2010

There were five votes cast by Georgia Benkart, Robert Daverman, Michael Lapidus, Matthew Miller and Steven Weintraub.

1. Approved electing to membership the individuals named on the list dated April 20, 2010.

2. Approved changing the date of the Joint Mathematics Meetings in New Orleans from January 5-8, 2011 to January 6-9, 2011.

3. Approved changing the date of the next Council Meeting from January 4, 2011, to January 5, 2011.

4. Approved the minutes of the Secretariat Business by Mail from the ballot dated April 1, 2010.

Robert J. Daverman

AMERICAN MATHEMATICAL SOCIETY

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Robert J. Daverman, Secretary
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SECRETARIAT
Business by Mail
July 1, 2010

MINUTES
from the Ballot dated June 1, 2010

There were five votes cast by Georgia Benkart, Robert Daverman, Michael Lapidus, Matthew Miller and Steven Weintraub.

1. . Approved electing to membership the individuals named on the list dated May 20, 2010.

2. Approved San Diego, California, as the site for the 2018 Joint Mathematics Meetings, to be held at the San Diego Convention Center on January 10-13, 2018 (a Wednesday - Saturday meeting).

3. Approved holding a Central Section meeting at Iowa State University in Ames, Iowa, on April 27-28, 2013.

4. Approved holding a AMS Southeastern Sectional Meeting at Tulane University on October 13-14, 2012.

5. Approved the minutes of the Secretariat Business by Mail from the ballot dated May 3, 2010.

Robert J. Daverman

AMS
AMERICAN MATHEMATICAL SOCIETY

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Robert J. Daverman, Secretary
Email: daverman@math.utk.edu

SECRETARIAT
Business by Mail
August 2, 2010

MINUTES
from the Ballot dated July 1, 2010

There were four votes cast by Georgia Benkart, Robert Daverman, Matthew Miller and Steven Weintraub.

1. Approved electing to membership the individuals named on the list dated June 20, 2010.

2. Approved University of Bern, Bern, Switzerland, for Institutional Membership.

3. Approved the minutes of the Secretariat Business by Mail from the ballot dated June 1, 2010.

Robert J. Daverman

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Robert J. Daverman, Secretary
Email: daverman@math.utk.edu

SECRETARIAT
Business by Mail
September 1, 2010

MINUTES
from the Ballot dated August 2, 2010

There were four votes cast by Georgia Benkart, Robert Daverman, Michael Lapidus, Matthew Miller and Steven Weintraub.

1. Approved electing to membership the individuals named on the list dated July 20, 2010.

2. Approved reinstatement of Columbus State University, Mathematics Department, Columbus, GA, for institutional membership.

3. Approved the minutes of the Secretariat Business by Mail from the ballot dated July 1, 2010.

Robert J. Daverman

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Robert J. Daverman, Secretary
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SECRETARIAT
Business by Mail
October 1, 2010

MINUTES
from the Ballot dated September 1, 2010

There were four votes cast by Georgia Benkart, Robert Daverman, Matthew Miller and Steven Weintraub.

1. Approved electing to membership the individuals named on the list dated September 20, 2010.

2. Approved Ryerson Univ, in Toronto, Canada, for institutional membership.

3. Approved Univ of Central Florida, Math Dept, Orlando, FL, for institutional membership.

4. Approved the minutes of the Secretariat Business by Mail from the ballot dated August 2, 2010.

Robert J. Daverman

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www.ams.org

Robert J. Daverman, Secretary
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SECRETARIAT
Business by Mail
November 1, 2010

MINUTES
from the Ballot dated October 1, 2010

There were five votes cast by Georgia Benkart, Robert Daverman, Michel Lapidus, Matthew Miller and Steven Weintraub.

1. Approved electing to membership the individuals named on the list dated September 20, 2010.

2. Approved changing the name of the joint meeting to be held in South Africa from Joint SAMS-AMS Mathematics Conference (also supported by the LMS) to Joint SAMS-AMS Mathematics Conference (also supported by the LMS and SAMSA).

3. Approved Morgan State Univ, in Baltimore, MD, for institutional membership.

4. Approved the minutes of the Secretariat Business by Mail from the ballot dated September 1, 2010.

Robert J. Daverman

Report on the 2010 Meeting of the Mathematical Reviews Editorial Committee

The Mathematical Reviews Editorial Committee (MREC) held its annual meeting at the Mathematical Reviews offices on Monday, October 18, 2010. In attendance were committee members, Cameron Gordon, Barbara Keyfitz, Shigefumi Mori, Ronald Solomon (Chair) and Trevor Wooley; invited guest, Linda Keen, AMS Associate Treasurer; Don McClure, AMS Executive Director; the MR editors and MR Administrative Coordinator, Isaac Ellis. Committee member Peter Maass was unable to attend because of a prior commitment.

After the customary preliminaries, including a discussion of future membership of the committee, the meeting continued with informational items including overviews of the 2011 Operating Plan and the 2009 report of Planned Activities and Projects. It was noted that MR now processes 360 regular items a day, and in 2010, a record number of reviews (71,959) were published in paper MR. The committee was also apprised of the substantial progress that was made during 2010 in establishing agreements with major publishers to permit delivery of journal papers to reviewers in electronic form. Over 71% of reviewers have indicated their willingness to accept papers in this form.

A synopsis of the committee's actions and discussion of agenda items follows.

Don McClure presented information indicating that subscriptions to Mathematical Reviews and Current Mathematical Publications have been declining steadily over the years. A committee comprising Beth Huber (Associate Executive Director, Publishing), Darla Kremer (MR Managing Editor) and Drew Burton (MR Systems Department Manager) was formed in late 2009 to study the impact of discontinuing the production of these paper products. It was decided that their production would continue since they still generate revenue.

The committee was given a demonstration of enhancements included in the latest version of MathSciNet which was released on October 12, 2010. The display of mathematics in MathSciNet is greatly improved with the use of MathJax, an open source platform displaying mathematics in a wide range of browsers. The development of MathJax is sponsored by the AMS, SIAM, and Design Science. The new release of MathSciNet contains direct links to books and series using DOIs registered by publishers. Through an agreement with ProQuest, MathSciNet now contains bibliographic entries and direct links for Ph.D. theses in mathematics, applied mathematics and statistics from the ProQuest Dissertation & Thesis Database, the most comprehensive collection of dissertations and theses in the world. The first batch of listings comprised over 59,000 items, and monthly updates will be added. The listings are entered into the MR Database in a manner similar to the treatment of Digital Mathematics Library items. From these listings, a user can connect to ProQuest to obtain access to full-text theses. This data will also be shared with the Mathematical Genealogy Project.

Future enhancements to MathSciNet discussed with the committee include the preliminary posting of bibliographic data of items from high density journals, with full cataloging, including author identification, being done later; an alert system; and the means to identify sole authored

items in an MR Author's list of publications. Also, ways in which the MR Author Database will be leveraged were presented. For example, just as MR brands articles and journals with IDs, MR Authors will be branded. For example, it is envisioned that authors will be asked to provide their MR Author IDs with papers prior to publication, to better match papers to authors and authors to papers. Future enhancements may also include personalization of each author's page with pictures, contact information, etc.

The committee was also given a demonstration of the new Online Editor Box. This new internal processing tool will expedite the assigning of treatment of articles and greatly minimize the use of the physical "boxes" which have been employed at MR for decades as a way to regulate the flow of material through the pipeline. However, their use will continue for some time to handle publications that are not available to MR in electronic form.

The committee approved a list of 20 journals recommended by MR editors with input from the community for addition to the collection of Reference List Journals (RLJs). This brings to over 450 the number of journals for which every listing on MathSciNet is accompanied by a reference list. Reference lists for articles from the new RLJs published in 2000 or later will be appended to existing listings. This backfill work will be completed early in 2011. A Reference List Journal is now labeled as such on its MathSciNet Journal page. In the coming months, MREC will draft a policy for selecting new Reference List Journals.

The committee was apprised of suggestions from MR editors on possible ways to acknowledge extraordinary service of MR reviewers. MR plans to implement some of these in 2011.

The committee reviewed the MR Editorial Statement and no changes were suggested.

As is done annually, the committee was provided with comparative information concerning the Mathematical Reviews and the Zentralblatt Math databases. The committee was informed of collaborations between MR and Zbl including the successful joint reception at ICM 2010 in Hyderabad, India, in August 2010.

The date for the next MREC meeting is Monday, October 17, 2011.

Graeme Fairweather, Executive Editor
October 2010

AMS Committee on Publications
October 22-23, 2010
Summary Report

A meeting of the AMS Committee on Publications (CPub) was held on Friday and Saturday, October 22-23, 2010, at the AMS Headquarters in Providence, RI. CPub Chair Joseph H. Silverman presided over the meeting.

On Friday evening, guest speaker Carol Hutchins of the Courant Institute of Mathematical Sciences (CIMS) Library at New York University led discussion on issues facing research mathematics, universities, and university libraries. The discussion centered on three main topics: the future of mathematics journals, eBooks, and the relationship between the AMS and librarians.

Saturday's agenda included the following topics:

CPub 2009 Updates

The Publisher provided an overview of actions taken as a result of the 2009 CPub meeting:

- Guidelines for Book Editors

The "Guidelines for Members of Book Series Editorial Committees: To guide the decision making process" were approved by the Council at its January 2010 meeting. The approved guidelines have been distributed to book series editors and posted on the AMS website (http://www.ams.org/about-us/governance/policy-statements/guidelines-book-editorial-coms).

- Policy on Plagiarism

After discussion at its January 2010 meeting, the Council made a slight revision to the proposed policy recommended by CPub. With this revision, the Council approved the policy, which reads:

AMS Policy on Plagiarism

> *The AMS asserts that the Society's journal editorial boards and the publisher have a responsibility to be vigilant regarding plagiarism in the material that they publish. Once notified of possible plagiarism in their publication, the journal editorial board and the publisher have a responsibility to investigate carefully such an allegation at any stage of the publication process. In the pre-publication stage, a determination of plagiarism should result in rejection of the article. In the post-publication stage, a retraction or correction should be published in a subsequent issue of the journal.*

The approved AMS Policy on Plagiarism has been posted to the AMS Policy Statements and Guidelines webpage (http://www.ams.org/about-us/governance/policy-statements/plagiarism).

- Review of the AMS Member Journals

Below is a summary of actions taken in response to the 2009 Report of the Subcommittee Reviewing the AMS Member Journals (recommendations of the Subcommittee are bulleted):

- Consider inviting the *Notices* chief editor to attend Council meetings to remain informed about current issues facing the AMS.

  The Notices chief editor is provided with Council meeting agendas in advance of each meeting by the Secretary's office and has an open invitation to attend.

- Consider making *Notices* more interactive online.

  AMS is currently in the process of redesigning its entire website. The new AMS website was launched earlier this year and improvements will continue to be made once design options are thoroughly evaluated and decided upon. The suggestions made by former Notices chief editor Andy Magid are on par with AMS's goal to enhance the website as a whole.

- Continue discussion on eliminating paper copies of the *Abstracts* if it is found to be a cost-effective measure.

  AMS executive staff met several times to discuss this issue and decided that it would be important to continue printing the paper edition of Abstracts for the JMM, at least for the foreseeable future. Abstracts for sectional meetings will also continue to be printed and included in the program for each meeting.

  Staff was primarily deciding if it would save money to stop printing the 2nd, 3rd, and 4th volumes of the year. At the present time, however, the reduction in costs (printing and postage) would not replace the loss of income from subscriptions. AMS executive staff plans to revisit this issue periodically.

- Consider modifying current procedures for providing copies of *Bulletin* and *Notices* to nominee members. (The Subcommittee noted that the AMS is in the implementation stage of a new policy whereby nominee members will receive mailed copies of the *Bulletin* and *Notices* only if they request that such copies be sent.)

  A Working Group on the Nominee Program, established by the AMS Committee on the Profession (CoProf), began considering this and other issues related to the Nominee Program in January 2010. In their report, the Working Group recommends "that the ,,opt-in' method for paper Notices be continued" at this time, and that "The AMS should draw attention to this choice in the materials sent to departments." The report of the Working Group will be distributed and discussed further as part of the CoProf meeting taking place following CPub's meeting, October 23-24th.

- Backfile Digitization Project

Due to the generosity of an anonymous benefactor, the backfile digitization project for the AMS primary journals (the undertaking of which was originally proposed by CPub) was completed in May 2010. All issues of the *Journal of the AMS, Mathematics of Computation, Proceedings of the AMS*, and *Transactions of the AMS* are now available on the AMS website via each journal's home page, and all pre-2006 back issues have been made freely available for download in electronic format.

- AMS Publication Language

In 2009, CPub suggested that, in lieu of setting policy, it would be more appropriate and less exclusive to establish English as the "preferred" (but not exclusive) publication language of the AMS. The matter was then discussed further at the meeting of the AMS primary journal managing editors which took place on Friday, October 22, 2010, just prior to the CPub meeting. It was suggested that since only a small fraction of papers are submitted in languages other than English, considerations regarding publication language will continue to be made at the discretion of the editorial boards and managing editors of each journal.

Report on the Managing Editors' Meeting

A meeting of the Managing Editors of the AMS primary journals (*Journal of the AMS, Mathematics of Computation, Proceedings of the AMS*, and *Transactions of the AMS)* takes place every other year in conjunction with the CPub meeting. The Publisher provided a report on the meeting, which was attended by the four (4) Managing Editors, the Associate Executive Director of Publishing, the Publisher, and the Production Manager.

Managing Editors and the staff present discussed the newly endorsed IMU Best Current Practices for Journals document, which was also included as an attachment in the CPub agenda. Additional topics discussed at the meeting included the following: review of submission rates and feedback on EditFlow, AMS publication languages, journal backlogs, editorial board histories, and the upcoming Mathematics Journal Workshop being held February 14-16, 2011, at the Mathematical Sciences Research Institute (MSRI) in Berkeley, CA.

The next Managing Editors' meeting will take place in 2012.

Review of AMS Primary Journals

The report of the CPub subcommittee which reviewed the AMS primary journals: *Journal of the AMS* (JAMS), *Mathematics of Computation* (MCOM), *Proceedings of the AMS* (PAMS), and *Transactions of the AMS* (TAMS), was presented. The subcommittee's evaluation was conducted to determine the overall scientific health of the primary journals, focusing on their effectiveness in serving the needs of the Society and the mathematical community. The areas reviewed by the subcommittee included journal quality, backlog and journal efficiency, manuscript submission software, appropriateness of coverage, acceptance/rejection rates, and author geographic demographics. To compile their report, the subcommittee utilized data provided by the AMS and the results of two web-based surveys conducted with AMS authors and AMS editors.

Although the subcommittee's review identified a couple areas of concern, including TAMS' struggle to obtain a healthy backlog and the low acceptance rate and concentration of papers in certain areas for JAMS, it was concluded that, overall, the primary journals are doing a good job of meeting their objectives and the standards as set for them by the AMS in the areas assessed.

Public Access Legislation

The Executive Director led discussion on the potential impacts of pending public access legislation on current AMS policies. The Head of the AMS Washington Division has been working with representatives of other scientific societies to ensure that the concerns of publishers are also considered as part of legislation on public access. This group has successfully contributed wording to the legislation to this effect, which is reflected in Section 103 of the Senate version of the America Competes Act. Information on the February 2011 Mathematics Journal Workshop, which will bring together scientific publishers, funders of research, representatives of academic institutions, mathematicians, and editors to discuss the future of mathematics journals, was also shared with CPub.

www.ams.org as a Publication

Using the online version of *Notices* as a model, the AMS has been taking steps toward managing the content of its website as a publication of the Society. This includes the development of a Managing Editor position and an advisory board to assist with creation of content. CPub has been asked to consider if it should include the AMS website in its review of publications. It was suggested that, were it to be added, it could become part of the review of member journals (*Notices, Bulletin, Abstracts*), which is conducted in Year 4 of CPub's review cycle. CPub will consider this possibility further at its meeting in 2011.

Report on Journal Backlogs

As it is a standing item on both the Managing Editors' and CPub agendas and was also covered as part of CPub's review, there was significant discussion regarding backlogs for the primary journals throughout the course of the meetings. Of particular concern is how the *Transactions* backlog can most effectively be reduced. Attempts to mitigate its backlog by increasing the pages published per year and increasing the page limit for *Proceedings* articles have so far proved relatively ineffective.

Report on Mathematical Reviews

The annual report on Mathematical Reviews was provided to the Committee by the Executive Editor. The MR database continues to grow steadily, with roughly 109,000 items added in 2009, 370 entries being added daily, and 30 new high-density journals added for coverage so far this year. Expansion of the scope of the database also continues, with 2,500 items projected to be added this year in non-traditional areas such as applied computer science and applied statistics. Significant progress has also been made on securing agreements to obtain pdf copies for reviewers. A demo of the latest release of MathSciNet, which was launched on October 12th, was presented. Three new features including MathJax, Booklinks, and bibliographic information through ProQuest, were demonstrated.

Other Business

Approval of 2009 minutes

The Committee approved the minutes of the 2009 CPub meeting as presented.

2011 Meeting date/location

The 2011 CPub meeting will be held September 23-24, 2011, at the Chicago Hilton O'Hare in Chicago, IL.

2011 Committee on Publications review topic

According to its charge, CPub will conduct an evaluation of all other journals (electronic-only, translation, and distributed journals) for presentation at its 2011 meeting.

Sergei Gelfand, Publisher
October 26, 2010

Committee on the Profession
October 23-24, 2010
AMS Headquarters
Providence, RI

The Committee on the Profession (CoProf) held its annual meeting on October 23-24, 2010, at AMS Headquarters in Providence, RI. Highlights of that meeting are provided below.

Annual review: CoProf's annual review, conducted by a subcommittee, was on the topic of the Society's activities related to Professional Development. The subcommittee was very impressed with the wide range of services that the AMS already provides, listed in a document prepared by AMS staff members. The subcommittee's report identified three areas for further discussion by CoProf:

1. The current state of and the evolution of academic mathematics as a profession and especially the effects of new technologies on mathematics.
2. The "Math in Moscow" program and its possible domestic correlates.
3. The problem of determining the ultimate fate of Math PhDs who do not end up in tenured academic positions.

CoProf agreed that the "Math in Moscow" program is worthwhile and was assured by AMS staff that another proposal would be submitted to NSF in the fall of 2010. Several programs that are currently operating in the United States—the programs at Smith College and at Penn State University—were mentioned in the discussion. SIAM is undertaking a study to track a cohort of early career mathematicians whose first jobs were outside of academia. CoProf members are concerned about the growth of permanent, non-tenured positions. CoProf will send a request to the Joint Data Committee to collect additional information on temporary and permanent positions that are not tenured or tenure-track. Finally, everyone recognized that online materials and courses will be part of the future of academic instruction; the "faculty of the future" need to be prepared for these changes.

2010 Information Statement on the Culture of Research and Scholarship in Mathematics: The Committee on the Profession has been making a series of statements that highlight ways in which the traditions of mathematics differ from those in other disciplines, especially other sciences and engineering. This year, CoProf discussed a statement concerning teaching loads. Although the draft of the culture statement included considerable detail, CoProf decided that more data, specifically on teaching loads for faculty who are actively engaged in research at Group I and Group II institutions, were needed in order to complete the statement. AMS staff members will collect this data later in the year, after departments complete their CBMS surveys.

Programs that Make a Difference: Each year, CoProf recognizes at most two programs that: (1) aim to bring more persons from underrepresented backgrounds into some portion of the pipeline beginning at the undergraduate level and leading to an advanced degree in mathematics, or retain them in the pipeline; (2) have achieved documentable

success in doing so; and (3) are replicable models. The deadline for nominations was September 15, 2010, for programs to be considered for the 2011 recognition. The subcommittee will make its recommendation to CoProf later in the fall. Four nominations were continued from last year, and five more have been received. The programs that are chosen will be featured in the May 2011 issue of the *Notices* and will be presented on a web site linked to the AMS home page. The two programs recognized in 2010 were the Department of Computational and Applied Mathematics (CAAM) at Rice University and the Summer Program in Quantitative Sciences at the Harvard School of Public Health.

AWARDS Program of AWIS: Based at the Association for Women in Science, the NSF-funded AWARDS (Advancing Ways of Awarding Recognition in Disciplinary Societies) program is working with seven professional societies, including the AMS, to "develop processes customized for each organization to foster the diversity of their scientific award recipients," as stated in the successful grant proposal. The AMS sent three volunteers, Georgia Benkart, Charles Epstein and Frank Morgan, to a workshop held in Washington, DC, on June 24-25, 2010. Their report and an additional letter from Charles Epstein are contained in another attachment of the ECBT agenda.

At its meeting on October 23-24, 2010, CoProf discussed the report, was supportive of the recommendations, and endorsed forming a committee to further consider its proposals. There is some overlap of this report and the report of the Task Force on Prizes, which was also included in the CoProf agenda. The proposed committee, to be convened by Bob Daverman, will also consider whether a permanent, separate, oversight committee needs to be formed, or if the responsibilities can be folded into the regular activities of CoProf.

CoProf voted to continue participation in the AWARDS project, but on a limited basis. AMS Secretary Bob Daverman will contact Georgia Benkart and Frank Morgan to see if they wish to continue to participate in the AWARDS events.

Prizes: CoProf discussed issues that have arisen with two prizes and with the Centennial Fellowship:

- The most recent selection committee for the Centennial Fellowship requested clarification concerning the following sentence in the Fellowship description: *"Preference will be given to candidates who have not had extensive fellowship support in the past."* CoProf has rewritten that sentence to read: *"In close decisions, preference will be given to individuals with less prior postdoctoral fellowship support."* This revision needs the approval of Council.
- There was a request from a member to change an eligibility requirement for the Morgan Prize. This was not approved.
- There was a request from SIAM to consider removing the geographical limitation on the Birkhoff and Wiener Prizes. Currently, prize winners must reside in the United States, Canada or Mexico. CoProf will recommend to Council that this requirement be removed.

AWM issue related to the Joint Prize Session at the JMM: At its June 2010 meeting, the AMS-MAA Joint Meetings Committee (JMC) voted to no longer allow the prizes awarded by the Association for Women in Mathematics (AWM) to be presented at the Joint Prize Session held that the Joint Mathematics Meetings, starting at the 2012 JMM. CoProf encouraged the AMS representatives to the JMC to reconsider the vote, and to allow AWM to present three awards in the future at the JMM, including the Hay and Schafer awards and the new Humphries award. CoProf also encouraged the representatives to work to reduce the time of the individual recognitions and responses for all of the prizes and awards presented at the Joint Prize Session.

Proposal of a designation of "Speakers Laureate": Frank Morgan submitted the following proposal: *That all (living) AMS and joint invited plenary lecturers, past and future, be designated "Speakers Laureate of the American Mathematical Society" and receive a certificate. That their department chairs and deans be notified*. The proposal was tabled by CoProf.

Employment issues and discussion concerning postdocs: A few days before the CoProf meeting, AMS Associate Executive Director Jim Maxwell prepared a report using preliminary data from the most recent Annual Survey. His report confirmed the results of an earlier short survey done in the spring of 2010, which showed that hiring for the 2010-2011 academic year was down considerably from the previous year. The difficulties were exacerbated by the fact that we continue to produce record numbers of PhDs. After considering this bleak situation, the discussion at the CoProf meeting then moved to the situation for postdoctoral positions, with a focus on the postdoc agreement that the AMS handles each fall. CoProf agreed that the postdoc agreement should stand; despite the fact that it impacts only a small portion of the job market, it works to the benefit of young mathematicians. Several CoProf members strongly urged the AMS to consider implementing a computer matching system for postdocs similar to what is used in the medical profession to place residents. Other CoProf members were strongly against this idea.

Nominee Program: For some time, there has been concern about the Nominee program, which allows institutional members with graduate programs to enroll all of their graduate students as members of the AMS. In 2009, CoProf appointed a Working Group on the Nominee Program. The report of the Working Group was included in the 2010 CoProf agenda. Most of the recommendations in the report were endorsed by CoProf at its meeting. The specific actions of CoProf related to the Nominee program are included as a separate agenda item in the ECBT agenda.

CoProf Panel at the 2011 JMM: CoProf will have a panel at the 2011 Joint Mathematics Meeting in San Francisco. The panel will be: *What I wish I had known before applying for a job,* moderated by Eric Friedlander, University of Southern California.

Panel description: This panel will give a first-person look at the process of applying for positions, both inside and outside academia. Through their experiences, panelists will help young mathematicians understand how to approach the job search process: what to expect; how to prepare; what to do; and what not to do. This session will focus on the employment opportunities for doctoral students and recent PhD graduates, and will give you lots of chances for Q & A with the panelists. The panelists will include both people who have recently been on the job market, and people who have recently been on hiring committees.

Next meeting: The Committee on the Profession will hold its next meeting on September 24-25 at the Chicago O'Hare Hilton Hotel. The Committee selected the Society's activities in the area of Membership and Member Services as the topic of the next year's annual review. This topic was last reviewed in 2003. CoProf will continue to work on the 2010 information statement on the culture of mathematics on the topic of teaching loads for the 2011 meeting.

Ellen J. Maycock
Associate Executive Director
October 26, 2010

RECOMMENDATIONS ON AMS PRIZES
From the AWIS meeting, June 24-5, 2010

At the request of AMS President George Andrews, Georgia Benkart, Charles Epstein, and Frank Morgan attended the Advancing Ways of Awarding Recognition in Disciplinary Societies (AWARDS) Workshop, June 24-25, 2010 in Arlington, VA, sponsored by the Association for Women in Science (AWIS) and funded by a National Science Foundation Advance Grant. At the end of the first day, workshop participants were encouraged to meet with other representatives of our profession to discuss the manner in which nominations for prizes are collected and the process whereby prizes are awarded. We were joined in our discussion by Maura Mast, who was representing the AWM and who is co-chair of the Joint Committee on Women.

The workshop focused on the effects of gender bias in the choice of prize-winners by scientific professional societies. While it is difficult to assess the role of such biases in the awarding of prizes by the AMS, the meeting brought to our attention various deficiencies in the descriptions of the prizes and in the nomination and deliberative processes used to select prize recipients. With this in mind, we find it appropriate to guard against potential bias in the awarding of AMS prizes and take positive steps to make the AMS more welcoming to the diversity already present among junior faculty and students by recognizing the contributions they have made.

Most of our recommendations are intended to increase the pool of nominees and clarify prize criteria and selection processes. We are also suggesting the creation of new prizes targeted to early career mathematicians. We believe that the proposed recommendations will be of benefit to AMS and the mathematical community.

1. Form a new prize oversight committee.

Establish a new AMS committee to oversee prize procedures and recipient data, to implement the recommendations below, to monitor their application, and to make new recommendations as needed.

2. Encourage more nominations and simplify the nomination procedures.

(i) Solicit nominations by posting on the AMS website, by contacting other organizations (such as AWM) for potential nominees, and by emailing the entire AMS membership.

(ii) Create and maintain easy-to-complete web nomination forms for each prize. Nomination procedures should *not r*equire contacting the AMS Secretary or other individuals.

(iii) Have more inviting AMS and prize web-pages, bannered with pictures illustrating those invited and expected to participate, of all genders, ages, and races.

(iv) Establish a "Canvassing Committee" to solicit and find nominees and nominators. (Other organizations such as the American Chemical Society have found this an effective way to generate nominations.)

3. Clarify prize descriptions.

Feature a clear statement of the criteria for the prize. These criteria should be reviewed by the AMS oversight committee routinely, and unnecessary or arbitrary requirements should be eliminated.

4. Establish good award committee practices.*

(i) Give award committees clear criteria for prizes, procedural guidelines, and data (e.g. fraction of pool women). Also spell out factors that should not be considered, such as the candidate's PhD institution, advisor, current location, etc.

(ii) Educate committees about implicit bias and how to counteract it in making committee decisions.

(iii) Encourage committees to begin discussions well ahead of the deadline to avoid hasty decisions.

(iv) Practice inclusive decision making, selecting outstanding candidates rather than finding reasons to eliminate candidates.

(v) *Before* nominees are reviewed, have a conference call to discuss criteria and procedures.

5. Establish new prizes for early career mathematicians.

(i) Establish a set of new, annual prizes for pre-tenure mathematicians to exhibit the Society's recognition of the value of the diverse new generation of mathematicians, named after a diverse group of mathematicians, awarded for originality of mathematics or impact on the profession.

(ii) Give an annual prize for the best thesis.
(At present the Blumenthal Prize is awarded only every four years.)

(iii) Establish a set of new annual graduate student prizes to exhibit the Society's recognition of the value of a diverse new generation of mathematicians, awarded for achievements and contributions to mathematics and to the mathematics community.

NOTES
*We hope that AWIS will provide a 10-minute webinar on implicit bias (with an option to see a half hour more).
Stats/info/procedures should also be on web. Maybe everything linked from one spot.

Georgia Benkart
Charles Epstein
Frank Morgan
September 20, 2010

Some thoughts on gender bias in the awarding of AMS prizes

This is a revised version of a letter I wrote to Susan Loepp, Georgia Benkart, Maura Mast, and Frank Morgan. It represents only my views.

I support the proposals we have laid out for reworking the way the AMS publicizes prizes and seeks nominations are very sound. I was somewhat surprise by the very low RAISE score (0.18/1.0) awarded to the AMS and sought to find an explanation for the very low score, and perhaps an alternate analysis of the issue of bias in the awarding of prizes by the AMS.

In "social science" research one normally has a null hypothesis against which to test other explanations of observed data. For the case at hand there is a fairly clear null hypothesis: The AMS awards prizes to people belonging to a *certain pool* by an entirely random procedure, and the awarding of one prize is independent of the awarding of another. Of course this is not how it is really done, but it is clearly a method of awarding prizes that would be free of bias. The selection of winners from year to year is certainly not independent, previous winners are generally excluded, but it seems pretty reasonable, so I'll stick with this hypothesis.

To study the likely outcomes under the null hypothesis, the key thing is to identify the pool of potential prize winners. I think that a reasonable choice of pool is the tenured math faculties of group I universities. I'm reasonably sure that almost all prize winners come from this pool. As of 2008 this pool contained 1643 people of whom 115 were women, making women 7% of this pool. While this might not be exactly the right pool, the quoted prevalence of women in the ranks of senior mathematicians is usually close to this value. The estimation of this prevalence in the pool of "potential prize winners" is the *key* as to whether one will find evidence of bias.

To compute probabilities I simply use the binomial sampling (with replacement) formula: Suppose that out of large population, there is a sub-population with prevalence p. The probability that a (small) sample of size n, contains k members of the subpopulation is given by

$$P_{n,p}(k) = \binom{n}{k} p^k (1-p)^{n-k}. \tag{1}$$

Since the actual sampling is likely done without replacement (it's very unlikely for a person to win more than 1 prize), this formula will slightly overestimate the likelihood that members of small subpopulation are chosen.

For our application n is the number of prizes, and k is the number of prizes won by women. Using this formula we can work out the expected number of prizes won by women and the standard deviation in this number, they are

$$< k >= np \quad \mathrm{sd}(k) = \sqrt{np(1-p)}. \tag{2}$$

I've tabulated these numbers for $p \in \{0.05, 0.06, 0.07, 0.08, 0.09, 0.20\}$ and $n = 12$ (approximate number of prizes awarded each year) and 125 (the number of prizes award in the past ten years). They are:

An outcome that falls within one standard deviation of the mean is usually taken as support for the null hypothesis. Using the 2008 prevalence of $p = 0.07$, we see

	p	0.05	0.06	0.07	0.08	0.09	.20
N=12	mean	0.6	0.72	0.84	0.96	1.08	2.4
	sd	0.76	0.82	0.88	0.94	0.99	1.38
N=125	mean	6.25	7.5	8.75	10	11.25	25
	sd	2.44	2.66	2.85	3.03	3.2	4.47

that one should expect between 0 and 2 prizes per year, and between 6 and 11 prizes over ten years. According to the AWIS data, the actual number of prizes awarded is 6 over 10 years, which falls within one standard deviation of the mean for any $p \leq 0.07$. I suspect that the "true prevalence" may be less than 0.07, because, once again, most prizes go to fairly senior people.

I have also added a column for $p = .20$, since I believe that many of the computations done by other organizations, seeking to show that there is bias, use a prevalence of about 20% women in their pool of "potential prize winners." With this value for p, the 6 prizes awarded to women over the past 10 years is more than 4 standard deviations from the mean. This would suggest that the null hypothesis be rejected. This may explain the "RAISE" score assigned to the AMS by RAISE/AWARDS project team of 0.18 (out of 1.0) for the period 2001-9.

This computation does not prove that there is no bias in the way that prizes are awarded, and I am doubtful that any computation can. It just demonstrates that, if you agree that the prize winners are selected from a population in which women have a prevalence of $\leq$ 7%, then a method, surely devoid of bias, will frequently produce results indistinguishable from those that are observed.

To me this also points out that the "real question" is why the number of women mathematicians has remained so low. Though, this could also be changing: as noted above, in 2008 there were 115 women in tenured positions in Group I Universities. Among the 289 non-yet-tenured Assistant professors in Group I, 73 of them are women, or 25.3%.

Respectfully submitted
Charles L. Epstein

At its meeting on October 23-24, 2010, the Committee on the Profession discussed the attached report from the Working Group on the Nominee Program, and made the following decisions on the sections of the report.

Section 1. Names for members currently called Nominee and Student members. CoProf endorsed the recommendation made by the staff. This recommendation calls for three categories to be created: Graduate Student, Student, and one other category that could continue to be called Nominee. All of the individuals who are currently Nominee and Student members will be distributed among these three categories. This proposal will need to be presented to the Council.

Section 2: Mission Statement. CoProf endorsed the spirit of the mission statement, and recommended that the statement be edited before it is presented to the Council.

Section 3: Procedures for enrolling Graduate Student members. CoProf decided that it was not appropriate to limit the membership of full time graduate students who are enrolled at institutions with institutional membership at this time. CoProf recommended that AMS staff experiment with various ways of trying to contact and engage graduate students. At a future time the alternative suggestions in this section could be considered, depending upon the results of the experimental efforts of the staff. No additional governance action is needed at this time.

Section 4: Electronic communication with Graduate Student members and Section 5: Materials for departments to distribute to beginning graduate students. These proposals do not have to be approved by the governance system, and were included as information. CoProf members with ideas were encouraged to get in touch with members of the Working Group or AMS staff. No governance action is needed.

Section 6: Graduate Student Chapters in departments that are institutional members. CoProf agreed that this was a worthwhile recommendation and that more study was needed. This was viewed as beyond the scope of the Working Group on the Nominee Program. CoProf recommended that another committee or Task Force be formed to study this topic.

Section 7: Graduate Student Committee to provide input into the new program. CoProf endorsed creating this as a subcommittee of CoProf . No additional governance action is needed.

Ellen J. Maycock
Associate Executive Director
October 26, 2010

Proposal for Changes to the Nominee Program

The Nominee Program of the American Mathematical Society is the vehicle that the AMS uses to introduce graduate students in the mathematical sciences to the AMS. Currently, a graduate student becomes a Nominee member of the AMS as a result of his or her department's institutional membership.

The Nominee members of the AMS are really the future of the Society, and we wish to be sure that we are offering a program that is welcoming to and beneficial for them. For some time, AMS staff and volunteer leaders have been concerned about how the Nominee Program functions. We believe that many Nominee members are unaware of their membership and its benefits, and we need to determine how to connect better with them. We also should consider whether the current benefits and opportunities of membership serve the needs of the Nominees, or if they should be altered or expanded.

Therefore, the Committee on the Profession endorsed, at its September 2009 meeting, the creation of a Working Group to investigate the current Nominee Program and to come up with a coherent plan to reinvigorate the Program. Members of the working group are Dan Bates (Colorado State University), Diane Boumenot (manager of the AMS Membership and Programs Department), David Cox (Amherst College), Diana Davis (graduate student at Brown University), Eric Friedlander (University of Southern California), Steve Hurder (University of Illinois, Chicago), Susan Loepp (Williams College), Ellen Maycock (AMS Associate Executive Director), Ayse Sahin (DePaul University), and Sarah Witherspoon (Texas A&M University).

The Working Group began its deliberations at the 2010 Joint Mathematics Meetings in San Francisco, when its members met with graduate students who were funded to travel to the JMM through the AMS travel grants program. We continued our deliberations via conference calls and email exchanges. The Working Group recognizes that many of its recommendations will have to be considered and approved by the Committee on the Profession, the Council and the Board of Trustees. Some recommendations will need to be developed further by additional working groups or committees.

The recommendations of the Working Group on the Nominee Program are summarized in the following sections:

1. Names for members currently called Nominee and Student members
2. Mission Statement
3. Procedures for enrolling Graduate Student members
4. Electronic communication with Graduate Student members
5. Materials for distribution to incoming graduate students
6. Graduate Student Chapters in departments that are institutional members
7. Graduate Student Committee to provide input for new program

1. Names for members currently called Nominee and student members

Currently, there are two categories that include graduate and undergraduate students:

- NOMINEE - In the U.S., all full time graduate students in the mathematical sciences may be nominated by their schools that are institutional members of the AMS. International institutional members, and U.S. institutional members without graduate programs, are allowed a maximum of 4 nominees, of which a minimum of 1 must be some type of student. Nominee members pay no dues.
- STUDENT - The member must sign a statement annually that he or she is currently a full-time student working toward a degree. Student members pay a modest membership fee.

The Working Group for the Nominee program proposes that the name of the Nominee Program be changed. The name “Nominee” doesn't mean much to graduate students and is often confusing.

Proposal for renaming members in the current Nominee Program:

A. The former "Nominee members" will have three names (in caps for emphasis), depending on their status:

- GRADUATE STUDENT MEMBERS: Full-time graduate students in the mathematical sciences in departments who are institutional members of the AMS.
- UNDERGRADUATE MEMBERS: Undergraduate students in departments without a graduate program who are institutional members of the AMS (up to four per institution).
- SPONSORED MEMBERS: Faculty in departments without a graduate program who are institutional members of the AMS (at most three per institution). They are sponsored by their institution.

B. The former "student members" will have a new name:

- SPECIAL STUDENT MEMBERS: These are students of all sorts who are not eligible for membership in A. Such a member must sign a statement annually that he or she is currently a full-time student working toward a degree.

Here are some comments about the proposed names:

- The names "Graduate Student member" and "Undergraduate member" were chosen for maximum clarity. The idea is to have names that are completely unambiguous. This is especially important for graduate students, who make up the bulk of the current nominee members.
- Another possibility for "Sponsored member" would be "Nominee member", since these faculty are nominated by their institution. Here, the name "Nominee member" actually makes sense. However, there might be some confusion, since we currently use "Nominee member" for the whole category.
- If we adopt the names "Graduate Student member" and "Undergraduate member", then the current designation "Student member" should be changed for clarity. This is why we suggested "Special Student member".

Note added October 6, 2010: AMS staff members met after this document was approved by the Working Group to consider the proposed changes. Staff members agree that changing the names will help eliminate some confusion and will help in promoting membership for graduate students. The staff has an alternate proposal which is in the same spirit, but would make things easier to implement. Staff recommends three categories for the groups discussed above (Nominees and Student members):

- GRADUATE STUDENT MEMBERS: This would include both graduate students who are members by virtue of their departments' institutional memberships and those graduate students who have paid to be members.
- STUDENT MEMBERS: This would include undergraduate students who are members by virtue of their departments' institutional memberships and those students (undergraduate or high school) who have paid to be members.
- The rest of the individuals who are currently Nominee members, such as the faculty members who have been named as members by undergraduate institutional members, could be grouped into another category, as yet to be named. It would be possible to retain the name NOMINEE MEMBERS for this group. AMS staff members recommend that institutional membership be reconsidered, to determine if is appropriate to award free memberships to this third group of current Nominee members.

The rest of this proposal concerns the program that would be focused on the Nominee members who are graduate students, tentatively called the Graduate Student Program.

2. Mission Statement

- The AMS seeks to incorporate young mathematicians into the mathematical community through the Graduate Student Program.
- The AMS seeks to educate Graduate Student members about current events and the culture of mathematics by providing access to the *Notices, Bulletin*, *AMS Member Newsletter* and other publications.
- The AMS seeks to welcome Graduate Student members to the forefront of current research by providing them with information about conferences and assisting them in attending conferences.
- The AMS seeks to foster a community of graduate students by disseminating news about graduate student events, accomplishments and opportunities, and by encouraging communication among them.
- The AMS seeks to aid in Graduate Student members' transition out of graduate school by maintaining appropriate job-related services, and encouraging Graduate Student members to become full members of the AMS upon receipt of the doctorate.

3. Procedures for enrolling Graduate Student members

Everyone in the Working Group agreed that the goal is to have more graduate students be engaged in the AMS. Three approaches were articulated:

- Cast a broad net, and continue to enroll as AMS members all graduate students in departments that are AMS institutional members. Then the AMS should make additional efforts to engage these students.
- Offer the possibility of membership to all graduate students in departments that are AMS institutional members. But only those who enroll (online or by filling out a paper form) will actually become AMS members.
- Offer the possibility of membership to students who had "qualified" in some way—for example, to students who had successfully completed one year of graduate work in mathematics or had passed the initial qualifying exams of a graduate program. AMS membership could then be seen by a graduate student as a mark of progress, thereby of value to the student.

The Working Group feels that it is beyond the scope of its charge to make a decision about which approach should be implemented.

The Working Group proposes that the method of enrolling graduate students not change right now—another group will investigate which approach the AMS will take, and it would not be wise to make a change now and then again in another year or two. Right now, a (hard copy) letter is sent to each department, with the past year's list of Nominees. A department faculty or staff member crosses out some names and adds others. The letter is returned to the Customer Services Department at the AMS, and the names are added to our list of Nominee members. During this transition period, AMS staff members Ellen Maycock and Diane Boumenot will get in touch with the Directors of Graduate Studies after the AMS

enrolls the new Graduate Student members. This might be the appropriate time to send materials, rather than during the orientation period. Ellen and Diane will try some other methods of getting the word to these new members. Perhaps sending a packet of membership cards to be distributed to the Graduate Student members might work. One important part of this communication is to emphasize the member benefits, such as book discounts or reduced registration fees at the Joint Mathematics Meetings. Most importantly, to be an AMS member is to be part of the profession. At this time, the Working Group recommends that the "opt-in" method for paper *Notices* be continued. The AMS should draw attention to this choice in the materials sent to the departments.

4. Electronic communication with Graduate Student members

The Working Group on the Nominee Program recommends that the AMS institute an email notification system, sent to all current Nominee members (to be renamed Graduate Student members) and Directors of Graduate Studies for member institutions. The email notifications would be sent monthly, with possibly a hiatus during the summer months. In order to encourage recipients to actually read the notifications, it is suggested that they be kept short, and easy to read at a glance in various email formats, including cell phones and PDAs.

The purpose of the email notifications is to provide relevant and informative information to the Graduate Student members. It should alert the students to important opportunities and developments in the field, with web links to more substantive content. It is important that the monthly email notification to graduate students have a link to a new issue of the Notices when it appears, plus possibly brief comments about articles relevant to graduate students. For example, it would highlight featured articles in the Notices or Bulletin of special interest, and upcoming conferences or funding opportunities. The email notifications might also include relevant link or links to the AMS Grad Student blog. The overarching principle should be that the AMS has their interests in mind, and this is a service from "Their AMS". It should brand the AMS as a service they need.

To realize this goal, the monthly content should be written by an AMS staff member, advised by a small working group, consisting of one or more motivated research faculty, perhaps on a rotating basis, and one or more motivated graduate students, perhaps initially from the participants of the AMS Grad Student Blog.

The tone should most likely be brief and professional, and to the point. This will depend on who is writing, of course, and will morph as the participants composing the messages change, and the system matures. Each email should include links at the end of them, to the web sites of the *Notices* and *Bulletin*, and also perhaps to a "Can We Help?" link or email address for a Graduate Student member to use in case they have a "special problem", and may view this as an opportunity to see what the AMS can do for them.

5. Materials for departments to distribute to beginning graduate students

The Working Group on the Nominee Program recommends that the AMS prepare materials to be sent to departments with graduate programs for distribution during orientation. We recommend one of two alternatives:

- Shiny folders with the AMS or a special logo on the front, and pockets on the inside. The inside pockets could be printed with some minimal amount of information for the students: the main AMS URL as well as URLs for the graduate student blog, career information, employment services, conference listings, programs of interest such as travel grants (or perhaps just the AMS programs page). Each URL could be listed with a brief one-line summary of what the page is about. (This was suggested as something that students really would use and so it would still be with them later when they may take the time to see what is advertised on the folder.) An optional addition could be a brochure with more detailed information that could be inserted into the folder.
- Just a brochure, with all the same information given. If the front of the brochure is catchy enough, maybe it is less likely to be thrown away. The front could have a photo like the one on advertisements for the graduate student blog, and a phrase that makes it sound clearly useful such as "services for graduate students".

Comments about the materials to be distributed:

- We should keep in mind that on the department side, we can't count on the students being told very much as they are handed these materials, since orientation is a busy time already. We can just hope that the students will indeed receive these materials, which may have to speak for themselves at some departments, while at other departments someone may be willing to say something about the AMS.
- It could be very worthwhile for the AMS to create a logo and to brand the Graduate Student Program. The materials that are distributed to beginning graduate students as suggested above could be branded by a unique and recognizable logo.

6. Graduate Student Chapters in departments that are institutional members

The purpose of the Working Group on the Nominee Program is to consider the ways in which the AMS interacts with graduate students. One idea that came up during the discussions of this group is to start an AMS Graduate Student Chapter Program. Each graduate program around the country could submit a charter application to the AMS. If accepted, the department would house a Graduate Student Chapter of the AMS. SIAM has a similar program, which is discussed below.

Arguments for this program:

- The AMS needs a more trustworthy connection to the graduate student population. Departmental contacts can be difficult to maintain (DGSs change and/or neglect contact from the AMS, ditto with staff members), and direct communication with

students is often ineffective (at least some students automatically discard messages from any professional organization without reading them). This purpose of this program is to provide a link between the AMS and each department that has a chapter. In particular, the advisor for the chapter or the president of the chapter, as part of his/her duties, could serve as the departmental AMS liaison.

- Students involved with the AMS are more likely to stay involved with the AMS as they graduate and get jobs.
- The fact that the analogous SIAM program has around 75 chapters speaks to the value of such a program. Some departments connect well with SIAM (e.g., Applied Math departments), but we suspect that many more would rather have an AMS-affiliated chapter (or perhaps a joint chapter -- see below).
- If the program includes funding for the chapters, this would of course benefit the students, however the money is spent.
- Based on the activities below, this program could support outreach initiatives and/or student interactions at the JMM or other conferences.

Issues with such a program:

- Cost seems to be the principal drawback, though there may be others. If there are 100 chapters, each receiving $500 annually, this is a new $50,000 line in the AMS budget (not to mention additional staff and administrative costs for overseeing the program). There will be little money coming in from this program (unless you want to factor in additional faculty memberships down the road), so it is likely that this will not be a money-maker for the AMS.
- Membership (chapter vs. AMS): Currently, if a department is an institutional member, all graduate students are eligible to be Nominee members. If such a department ended up with a student chapter, it is possible that not all the graduate students would want to be members of the chapter. The situation would be a bit more complicated in a department that doesn't have a graduate program. That is outside the current discussion.
- There is the potential for stepping on MAA's and SIAM's toes.

Similar programs: Both the MAA and SIAM have student chapters. SIAM has graduate student chapters at around 75 institutions (several outside the U.S.). See http://siam.org/students/chapters/ for details. Here's a quick synopsis:

- There are various forms to be filled out, but applying is fairly easy. A few current SIAM members (in or out of the department) need to support the application.
- All members of a SIAM chapter are eligible for a free student membership in SIAM.
- SIAM provides up to $500 to each chapter annually. Chapters apply for funding -- the success rate is unclear.
- The chapters get some publicity in SIAM News from time to time.
- There are various activities at the SIAM Annual Meeting (and elsewhere) aimed at chapters.

Some ideas about activities of chapters:

- Host speakers (local or not). Funding would be helpful for this.
- Run student-oriented conferences. There are a number of these already (e.g., the annual Midwest Graduate Topology Conference and another in logic), and it might benefit the AMS to have its name attached to such meetings (perhaps at a small cost to the AMS?).
- Send a representative (or more than one) to the JMM, perhaps for some grand meeting of all such reps.
- π day parties and such, to increase awareness of mathematics on campus.
- Meetings to discuss qualifiers, job searches, etc., perhaps between universities (though this could be tricky).
- Participation in contests (see the next item), perhaps including the creation of expository videos or web pages with math content aimed at high school students or undergrads.

Funding for chapters:
This program could run with no funding for the chapters, though it is unclear how motivated departments would be to set up chapters in that case. The appropriate amount per chapter depends on how valuable this program is to the AMS. SIAM suggests that chapters should seek external funding (various external grants, university support, etc.) while also offering up to $500 annually. One alternative is to guarantee a very small amount ($100?) annually, with more available on a competitive basis. Also, the AMS might find it beneficial to farm out various duties as AMS chapter contests. For example, students are good at creating new logos, producing catchy (and modern) slogans, designing nice websites, blogging, etc. It might be feasible to obtain external funding to cover this new expense to the AMS, at least initially. We think that the NSF would appreciate the value added to students' career development.

7. Graduate Student Committee to provide input to the new program

The Working Group proposes that a Graduate Student Committee be formed for the Graduate Students Program. This committee would consist of a small group of graduate students who are enrolled in departments that are AMS institutional members. This group could, among other things, advise the AMS about the best ways to communicate to Graduate Student members (for example, should we be tweeting?) Eventually, this Graduate Student Committee could be connected to the proposed Student Chapters.

July 16, 2010

Washington Office Report
October 21, 2010

Congress adjourned during the first week of October and will remain out until after election day November 2, 2010. Due mainly to the current political environment no appropriations bills have been passed, even though Fiscal Year 2011 began on October 1, 2010. In fact, none of the appropriations bills have reached the Senate floor and only two have been voted on by the House, Military/Veterans and Transportation/HUD . A Continuing Budget Resolution (CR) is in place through December 3, 2010 so that the Federal government can keep running. Funding for agencies and programs during a CR is usually at the level of the previous year or below.

There will be a "lame duck" session of Congress after the election. What legislation gets considered during this session will depend on election outcomes. If, for example, the Republicans take over the House and/or the Senate, the GOP will likely wait for a new Congress to consider spending bills. The Republican leadership has stated that they would like to see spending reduced to FY 2008 levels.

If both chambers of Congress remain under the control of the Democrats, the party would attempt to pass the FY 2011 spending bills during the "lame duck" session. This will require negotiations with Senate Republicans since sixty votes are needed to limit debate on bills. Currently there are 57 Democrat Senators, 41 Republicans, and 2 Independents. If the Democrats can't get the needed sixty votes, the Republicans can stall acting on the bills until the next Congress.

On the surface, the National Science Foundation looks to be in good shape. The President has requested $7.424 billion or an 8 percent increase over FY 2010. The House Commerce, Justice, Science and Related Agencies Appropriations Subcommittee (CJS) has approved this same amount and the Senate Appropriations Committee has approved $7.353 billion, or $71 million below CJS and the President. The current political environment suggests that the science community should be happy with either of these budget levels.

Many other agencies and programs funded through the non-defense discretionary part of the federal budget have not fared as well as the NSF. Constituencies of these agencies and programs will be fighting for budget increases until final decisions are made. Since NSF has done so well, the Agency could be a target for providing money to some of these other programs, thus reducing the increase NSF actually receives.

The Department of Energy's (DOE) Office of Science (SC) has not done well in the House. The House Energy and Water Subcommittee has approved an FY 2011 SC budget of $4.9 billon. This is $221 million below the $5.121 billion in the President's SC Budget Request and $4 million below the FY 2010 budget level. On the other hand, the Senate Appropriation Committee has approved an FY 2011 SC budget of $5.012 billion, an increase of $108.3 million over the FY 2010 enacted level, but still $109.4 million below the SC Budget Request.

Two DOE programs that fund the mathematical sciences are in SC, Applied Mathematics and Scientific Discovery through Advanced Computing or SciDAC. The final budget for SC will have an impact on these two mathematical sciences programs. The AMS Washington Office has worked with other organizations to encourage the House Appropriations Committee to increase its allocation for SC.

Another bill of interest to the scientific community is the reauthorization of the America COMPETES Act. Passage of COMPETES is also impacted by the current political climate. The COMPETES bill authorizes programs and funding in the non-defense agencies that support science research and education. The original COMPETES bill passed in 2007 with a time horizon of three years, 2007 – 2009. Congress began considering the reauthorization of COMPETES during the spring. The House has passed its version of COMPETES; the Senate has not. Congressional staff involved with COMPETES have indicated that a decision on whether it will go forward in the "lame duck" session of Congress will be made by October 26, 2010. If the decision is no, the bill will have to be submitted and reconsidered in the next Congress.

This fall the Washington Office has been concerned with preparing for the annual Committee on Education meeting and developing Joint Mathematics Meetings' (JMM) programs for COE, CSP, the Chairs Workshop, a session on non-academic employment and a session on the AMS Congressional Fellowship. For COE we have worked with committee chairman Larry Gray to develop the meeting program, advertising the meeting to department chairs and representatives, and performing the necessary logistics. We have tried to balance agenda of the meeting with respect to K-12, undergraduate, and graduate education.

Information on the COE and CSP JMM sessions is available in their respective ECBT agenda items. The JMM session on the AMS Congressional Fellowship will feature 2009 – 2010 Fellow Katherine Crowley and current Fellow, Hugh MacMillan. The non-academic employment session will be moderated by Allen Butler, President of David Wagner Associates, Inc. and will include a panel of mathematicians employed in industry and government. The Department Chairs Workshop will be led by Timothy Hodges, University of Cincinnati; John Meakin, University of Nebraska-Lincoln; Helen Roberts, Montclair State University; and Stephen Robinson, Wake Forest University.

Katherine Crowley, who worked in the office of Senator Al Franken (D-MN) completed her AMS Congressional Fellowship in August and has returned to Washington and Lee University where she is an assistant professor of mathematics. She enjoyed working on the Hill and on policy issues so it would not be surprising to see her return to Washington. Hugh MacMillan, the current Congressional Fellow from Clemson University, is working in the office of Senator Robert Menendez (D-NJ).

Ben Pittman-Polletta completed his AMS-AAAS Mass Media Fellowship at The Oregonian. Ben wrote a number of articles for both the paper and online versions of the newspaper. Ben completed his PhD at the University of Arizona this past spring.

On October 12, 2010, Andrea Bertozzi from UCLA presented the AMS Congressional Lecture. The title of Andrea's presentation was "The Gulf Oil Spill: How Can We Protect our Beaches in the Future?" Andrea gave an excellent presentation to a full room of congressional staff, NSF program directors, and representatives of professional organizations and agencies. SHE was introduced by AMS President George Andrews.

The Washington Office continues to be active working with coalitions advocating for science, technology, engineering, and mathematics (STEM) research and education, including the Coalition for National Science Funding (CNSF) and the Task Force for American Innovation.

At the request of the House Research and Development Caucus, CNSF organized a congressional luncheon briefing titled "NSF: Investing in America's Future." Representatives Judy Biggert (R-IL) and Rush Holt (D-NJ) are co-chairs of the Caucus. The briefing depicted how the NSF contributes to innovation through its support of basic research and STEM education. Sam Rankin, as chair of CNSF, worked with NSF to establish the topic of the briefing and find speakers. Anita Benjamin took care of all the logistical planning and execution of the event.

This past May, CNSF, and therefore the Washington Office, organized a reception for Arden Bement who stepped down as Director of NSF at the end of May 2010. Arden served as Director of NSF for six years.

Sam Rankin has been participating in meetings of a coalition of representatives of publishers and professional societies concerned with how the federal government might implement a policy of public access to federally funded research. Bills and amendments have been introduced in Congress that suggest that federally funded researchers should make available to a public access site the final journal produced articles based on their research. This legislation is asking that these articles be made available to the public within twelve months of publication. Publishers are concerned that such a mandate will affect their subscriptions and revenue streams.

Sam Rankin was recently invited to serve on the Council of Graduate Schools Professional Science Master's Advisory Board. The Council of Graduate Schools (CGS) has undertaken an initiative aimed at making Professional Science Master's programs a standard feature of graduate education. With support of the Sloan Foundation, approximately one hundred such programs have been designed and implemented in fifty universities. The Sloan Foundation is supporting the CGS effort to take such programs to full national scale.

Sam Rankin continues to serve on the Advisory Board of the Department of Mathematical Sciences of Worcester Polytechnic Institute (WPI).

Respectfully submitted,
Sam Rankin

Draft Proposal to Establish The Mathematical Congress of the Americas

The mathematical world has at present three major international congresses that take place once every four years: the ICM, the ICIAM and the ECM. This leaves space for a fourth congress in the "empty" year. We suggest that it is in the interest of the vibrant mathematical community in America to hold a Mathematical Congress of the Americas every four years with the location rotating between the countries of the Americas. We suggest the possibility that the first MCA be held in the summer of 2013. There are many appealing locations: for example, Montreal, noting that Montreal put in a bid for the ICM but was passed over by the IMU.

Currently there are a number of bilateral joint meetings of mathematicians in the Americas. There are also many US sectional and national meetings. However there is no major meeting with the strong international publicity of a Congress that highlights the mathematics of the Americas. If the MCA becomes a reality then some of the bilateral meetings might be "folded" into the MCA.

Given the existence of the ICM one might ask why have another congress of international scope. This issue was raised a number of years ago when the European Congress of Mathematics was founded. There have now been 5 successful ECM and during the past 20 years there have been huge strides in the level and vibrancy of mathematics in Europe. This has gone hand in hand with increased funding for mathematics and the awareness of its importance. Likewise ICIAM was founded about 30 years ago and has proved successful and beneficial to the applied mathematics community. The existence of ICIAM is probably one reason that the ICM is now much broader in its scope than a generation ago. The three congresses are now mature and coexist beneficially with each other. It is reasonable to expect that if it is well organized the MCA would very positive for American mathematicians and as beneficial to the international mathematical endeavor as the existing three congresses.

We envision a Congress that would adopt some of the most successful aspects of the three existing congresses but would have a particular American flavor. The invited speakers would be international but with a majority from the Americas. New prizes would be awarded at the Congress. Various American institutes and organizations would be encouraged to have serious involvement with the Congress (for example the Clay Institute and the Simons Foundation as well as the mathematics institutes in the US, Canada, Mexico and South America).

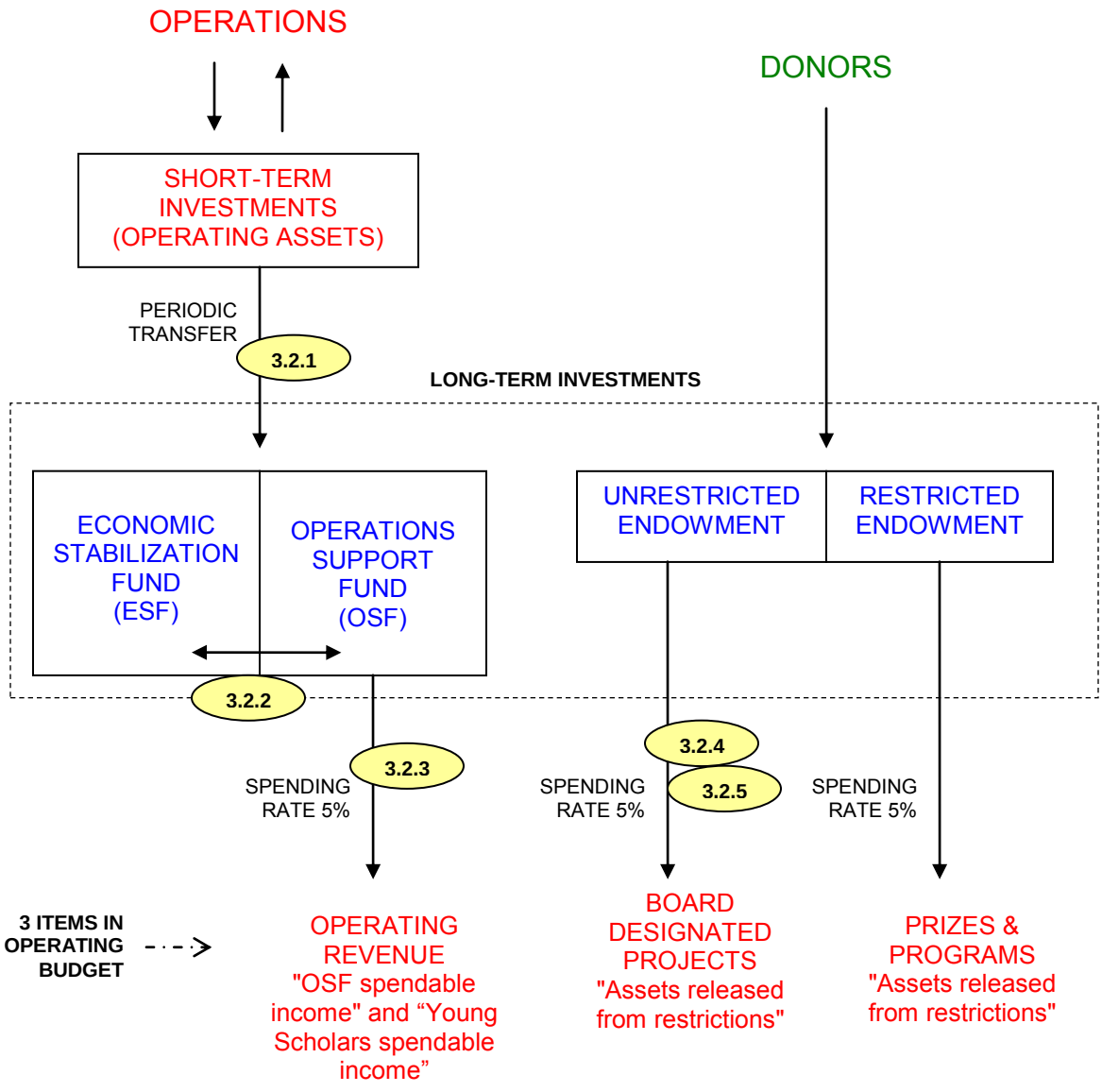
The natural forum for initial discussions about the MCA involves the mathematical societies of the Americas. We would appreciate the reaction of the relevant committees of the AMS to the idea of the MCA. If the reaction is positive, then we suggest the next step is to initiate discussions with other Societies.

Best wishes,

Susan Friedlander

AMS Long-term Investments
Cliffs Notes

(*For details, see section D of Fiscal Reports*)



ESF = 75% annual operating expenses + unfunded medical liability (APBO)
OSF = remainder of quasi-endowment (spending on 3-yr rolling average)
Rebalanced annually, December 31
Note: Spendable income from true endowment funds held in Temp Restricted net assets and 'released' to operations as related expenses are incurred.

Values as of:	*09/30/10*	*12/31/09*
ESF	$25.0 M	$23.1 M
OSF	36.8 M	35.1 M
Unrestricted	5.6M	5.4 M
Restricted	4.2M	4.0 M

Appropriated Spendable Income

Each year, the Board approves a list of designated projects that are paid for (in part) by spendable income from the unrestricted endowment. Those projects are selected to represent a variety of activities all of which are consistent with the mission of the Society.

Here are brief descriptions of the projects for 2011 appropriations.

Discoveries and Breakthroughs in Science ($10,000)

This is a large program run by the American Institute of Physics, with a number of society partners providing support. The goal is to produce a regular stream of news spots for local television stations. In 2010 we participated at the level of $20,000. The Public Awareness Office plans to participate at the same level in 2011, with partial funding from this source. We value the program and have succeeded in encouraging other societies to become partners.

Book and Journal Donations ($6,400)

This program has been funded by contributions from the Stroock Family Foundation, and it pays for shipping of donated books and journals to institutions in developing countries. Interest from eligible institutions in paper journals seems to be waning, but there is still interest in donated books.

AAAS Mass Media Fellow ($10,000)

For the past 11 years, the AMS has supported a graduate student participant in this widely recognized program run by the American Association for the Advancement of Science. The student is placed in a media outlet during the summer and gains experience while providing scientific expertise. The former media fellows frequently contribute to the work of the Public Awareness Office.

AAAS Congressional Fellow ($90,000)

For several years now the AMS has supported a congressional fellow. Fellows are placed in a congressional office (or equivalent) and spend a year serving that office. Fellows do NOT represent the AMS, but they provide mathematical expertise, in addition to gaining government expertise themselves. The goal is to build a cadre of knowledgeable mathematicians who can serve the interests of mathematics, either inside or outside government.

Mathematics Research Communities ($10,000)

The MRC program is funded (mainly) by a grant from the National Science Foundation, which pays for participant support and the basic cost of operation. We found in the past two years, however, that having a budget for extras not covered by the NSF grant greatly enriched the program. MRC promises to be a gem in the Society's outreach programs, and investing some extra money in those extras will pay great dividends in the future.

Project NExT ($15,000)

Project NExT is a program run by the MAA (and reviewed elsewhere on this agenda). The AMS provides support for six fellows at $2,500 each. The ECBT last decided in November 2008 to continue this support through 2010-2011. Pending approval of continued support, these funds will support six fellows in 2011-2012.

High School Outreach ($10,000)

The Public Awareness Office produces some outstanding material, including Math Moments and a number of attractive posters. We have become better and better at *producing* material. Starting in 2009, we made a more systematic effort to produce printed materials and *distribute* them to a larger collection of high schools throughout North America. A number of high school teachers have communicated their enthusiasm about our materials, and we have discovered Math Moments and posters spontaneously appearing in a number of schools. In 2011, the Public Awareness Office will also distribute these materials at a large NCTM meeting.

Young Scholars Camp Conference ($60,000)

Since 2000, the AMS has awarded 92 grants to math camps supported by the Epsilon Fund and the Young Scholars Fund, with funding in the range of $2,500 - $15,000 for each award. We believe that prospective Math Camp organizers could learn a tremendous amount from those who have successfully run programs for many years. This three-day conference tentatively planned for fall 2011 or early 2012 will highlight successful programs and support the development of new math camps. We are seeking matching support from private sources.

Book Retrodigitization ($50,000)

The AMS has over three thousand published books on its backlist. All of these have been scanned by Google and many will become available as Google Editions electronic books. The Google Editions are targeted to an individual market and will not address the need to make electronic books available to other markets, specifically libraries. In order to make this vast resource more widely available, we plan to carry out pilot projects in 2011 to explore different rich file formats for delivering the books electronically. The project is important for both researchers and libraries.

AMS Archives ($5,000)

The AMS has extensive archives housed at Brown University in a collection known as *Archives of Mathematics and Mathematicians*. The archives were established in the early 1990s and contain records from the earliest days of the Society. They are open to the community, but their usefulness is limited by the lack of availability of online "finding aids." The project planned for 2011 is limited in scope to preparing plans for making searchable information available online to facilitate exploration and discovery of the information in the archives.

BOARD OF TRUSTEES
STANDING COMMITTEES

AGENDA AND BUDGET COMMITTEE
(as of February 1, 2011)

Eric Friedlander, Chair (ex officio - President)
Robert Daverman (ex officio - Secretary)
Jane Hawkins (ex officio - Treasurer)
John Franks (ex officio - Associate Treasurer)
Karen Vogtmann (ex officio - Chair of BT)

AUDIT COMMITTEE
(as of February 1, 2011)

Jane Hawkins, Chair (ex officio - Treasurer)
John Franks (ex officio – Associate Treasurer)
Ronald Stern (ex officio – third-year Trustee/incoming Chair of BT)
Karen Vogtmann (ex officio - Chair of BT)

INVESTMENT COMMITTEE
(as of February 1, 2011)

Jane Hawkins, Chair (ex officio - Treasurer)
John Franks (ex officio - Associate Treasurer)
Ronald Stern (February 1, 2009 - January 31, 2014)
Rob Taylor (June 1, 2010 - January 31, 2013)

LIAISON COMMITTEE
(NOT A BT COMMITTEE, BUT LISTED HERE FOR CONVENIENCE)
(as of February 1, 2011)

Eric Friedlander, Chair (ex officio - President)
Robert Daverman (ex officio - Secretary)
Jane Hawkins (ex officio - Treasurer)
Karen Vogtmann (ex officio - Chair of BT)

SALARY COMMITTEE
(as of February 1, 2011)

Jane Hawkins, Chair (ex officio - Treasurer)
John Franks (ex officio - Associate Treasurer)
Karen Vogtmann (ex officio - Chair of BT)

EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES
STANDING COMMITTEES

LONG RANGE PLANNING COMMITTEE

(as of February 1, 2011)

Eric Friedlander, Chair (ex officio - President)
Robert Daverman (ex officio - Secretary)
Jane Hawkins (ex officio - Treasurer)
Joseph Silverman (ex officio - third-year member of EC)
Donald McClure (ex officio - Executive Director)
Bryna Kra (ex officio - second-year member of EC)
Karen Vogtmann (ex officio - Chair of BT)

ECBT NOMINATING COMMITTEE

(as of February 1, 2011)

Ronald Stern, Chair (ex officio - third-year member of BT)
Joseph Silverman (ex officio - third-year member of EC)
Carla Savage (ex officio – Chair of Council Nominating Committee)
NOTE: When the position of Secretary is under consideration, the Treasurer is a member of this Committee. When the position of Treasurer is under consideration, the Secretary is a member of this Committee.

TRUSTEE APPOINTMENTS TO POLICY COMMITTEES

COMMITTEE ON EDUCATION

Mark Green (February 1, 2011 - January 31, 2012)

COMMITTEE ON MEETINGS AND CONFERENCES

William Jaco (February 1, 2011 - January 31, 2012)

COMMITTEE ON THE PROFESSION

Ronald Stern (February 1, 2011 - January 31, 2012)

COMMITTEE ON PUBLICATIONS

Carol Wood (February 1, 2011 - January 31, 2012)

COMMITTEE ON SCIENCE POLICY

Karen Vogtmann (February 1, 2011 - January 31, 2012)

TRUSTEE LIAISON ASSIGNMENTS TO DIVISIONS FOR 2011

Division (Director)	**Board Liaisons**
Executive Director (McClure) Development Human Resources	Bus Jaco Ron Stern
Editorial (Sergei Gelfand) Acquisitions	Mark Green Karen Vogtmann
Finance (Emily Riley) Facilities and Purchasing Fiscal	John Franks/Ziggy Nitecki Jane Hawkins Karen Vogtmann
Information Services (Tom Blythe) Business and Publications Computing Systems and Operations	John Franks/Ziggy Nitecki Mark Green
Mathematical Reviews (Graeme Fairweather) Administration Associate Editors Bibliographic Services Copy Editors Reviewer Services/ Production Slavic Languages Systems Support	John Franks/Ziggy Nitecki Carol Wood
Meetings and Professional Services (Ellen Maycock) Meetings and Conferences Membership and Programs Public Awareness	Bus Jaco Carol Wood
Publishing (Beth Huber) Distribution Member and Customer Services Printing Production (includes Electronic Prepress and Creative Services) Sales Administration	Mark Green Ron Stern
Washington Office (Sam Rankin)	Jane Hawkins Ron Stern

Proposal Regarding Promotion of Joint Membership in AMS-MAA-SIAM

Since November 2008, the three societies have been trying to develop a plan that would offer discounted dues to a member of the mathematics community who joined all three organizations. This current proposal presents a membership development initiative which is different from the ideas we struggled with for many months. It has the following differences (and advantages):

- It will be available to ***all*** segments of the community who meet the basic eligibility requirements. (Our earlier discussions focused on plans that would only appeal to people who were already among the highest dues paying members.)
- This new proposal can therefore be used to try to attract new members from the younger segments of the community.
- Each organization can customize this new proposal as it wishes.
- There is no need for any form of exchange of information or sharing of dues revenue among the organizations.

Join All Three

The details as described here describe how the membership development initiative would be implemented by the AMS. Change the names and change the promotional dues structure to adapt the details for the MAA and SIAM.

The *Join All Three* initiative would be promoted by a statement from the Presidents encouraging participation by members of the mathematical sciences community in all three societies. Certainly, George Andrews, Doug Arnold and David Bressoud have all been strong advocates. Preliminary discussions with the MAA and SIAM indicate that all three organizations will cooperate.

To be able to take advantage of the special promotion and become a member of the AMS, the person would have to meet the following two requirements:

- Assert that they are already a dues paying member of both MAA and SIAM. The category of membership doesn't matter.
- Be truly a ***new*** member of the AMS by taking advantage of this promotion.[1]

A person who met these two criteria could join the AMS for the first year for one-eighth of the current regular high dues. They could then take advantage of the AMS Entry Level dues rate of $63 for the next four years. They would then make the transition into one of our Regular dues categories.

This is good for the person taking advantage of the offer. They become a member of all three societies for a heavily discounted rate. It is also good for the AMS because the AMS gains a new member.

[1] "New" might be interpreted to mean not having been a member for some period of years.

Determining the 2012 Individual Member Dues Recommendation to the Council

The 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.

Recommendation for 2012 Dues.

There was no dues rate increase adopted for the year 2011. The dues rate for 2010 was increased from the 2009 rate by $4, to yield dues of $168/$126 (high/low). Additionally, the cut-off salary for high/low rates was raised to $85,000. The table on the following page provides the information required under Principle 1. It includes actual results for 2001-2009, projected results for 2010, budgeted results for 2011 and an estimate of 2012 results assuming no increase in dues, a $4 increase in dues and an $8 increase in dues.

Prior to the change in the process of setting dues, the net difference between dues revenue and net direct costs of membership was a positive $569,000 in 2001. By the end of 2009, the difference had decreased to a deficit of $125,000. The difference is projected to be a deficit of $53,000 in 2010 although the budgeted deficit was $62,000. The difference is budgeted to be a deficit of $178,000 in 2011, which is larger than the deficit projected ($111,000) when the 2011 dues were established.

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

Year	Individual Dues Revenue	Net Direct Cost of Membership Activities	Surplus (Deficit) of Revenue over Costs
2001	1,413	(844)	569
2002	1,388	(960)	428
2003	1,369	(1,042)	327
2004	1,318	(1,189)	129
2005	1,345	(1,108)	237
2006	1,355	(1,112)	243
2007	1,364	(1,264)	100
2008	1,386	(1,523)	(137)
2009	1,368	(1,493)	(125)
2010 Projected	1,342	(1,395)	(53)
2011 Budget	1,309	(1,487)	(178)
2012-$168	1,309	(1,487)	(178)
2012-$172	1,340	(1,487)	(147)
2012-$176	1,371	(1,487)	(116)

Explanatory Notes:

Membership Activities under Principle 1 are:
a) *Notices* & *Bulletin*,
b) Membership development and administration, and
c) Governance
The amounts are taken directly from the B-Pages, pages 5 and 7, as presented to the ABC.

None of the dues scenarios presented in the table above satisfies the requirements of Principle 1. An increase in dues of $24, or 14.2%, to comply with principle 1, would not meet the requirements of Principles 2 and 3.

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 2009 (the last year of actual data), the cumulative dues increase lags the salary increase by about four years. The lag time using AAUP data is closer to three years.

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).

Principle 3 states that small increases in dues over time are preferable to a large increase in any one year. Although an increase of $8 in dues for 2012 is the option closest to meeting the requirements of Principle 1, it is a significant increase not seen in over two decades. Without regard to the requirements of Principle 1, staff do not believe that the Society's current financial condition warrants such an increase.

During a financial crisis, every member will be affected financially to some (negative) degree. It is disturbing to note that the salary increases for faculty based on the AAUP data were 1.2% in 2009. Many members have experienced salary freezes or furloughs over the past year. However, mathematics faculty salaries increased at a rate of 3.0% in 2009, based on data from the Annual Survey.

Ultimately, the decision regarding 2012 dues comes down to a balancing act between the provisions of the principles, and the realities of the difficult financial times. Principle 1 precludes holding dues steady for 2012 at the 2010 rate (for a second year) but Principles 2 and 3 would be violated if the dues were raised by an amount sufficient to meet the requirements of Principle 1. While raising the dues by $8 or $12 would get the Society closer to meeting the requirements of Principle 1, only the $4 increase is realistically in line with inflation assumptions.

Therefore, AMS staff members recommend that the regular high dues rate for 2012 be set at $172, a $4 increase over the dues for 2010 and 2011.

Ellen J. Maycock, Associate Executive Director
Emily D. Riley, Chief Financial Officer
October 2010

Factors for Consideration in Setting Individual Dues Rates for 2012

	Faculty Salaries Data					Inflation Data		Regular High Dues Rates				Dues Rev.
	AAUP Reports		AMS Annual Survey									
Academic Year Beginning	Annual Increase	Cumulative Increase	Annual Inc. Grps 1-3 combined	Cumulative Increase	Calendar Year	Annual Increase CPI-U	Cumulative Increase CPI-U	Actual Dues	Cumulative Increase	Covert Dues	High/Low Cutoff	Total Dues Revenue (1000's)
1996	3.0%				1996	3.3%		120		117.637	45,000	
1997	3.3%	3.3%	2.7%	2.7%	1997	1.7%	1.7%	124	3.3%	121.048	45,000	1,414
1998	3.6%	7.0%	3.8%	6.6%	1998	1.6%	3.3%	128	6.7%	124.679	45,000	1,437
1999	3.7%	11.0%	3.8%	10.7%	1999	2.7%	6.1%	132	10.0%	128.918	55,000	1,380
2000	3.5%	14.9%	5.0%	16.2%	2000	3.4%	9.7%	132	10.0%	128.918	65,000	1,384
2001	3.8%	19.2%	4.2%	21.1%	2001	1.6%	11.4%	136	13.3%	133.559	75,000	1,413
2002	3.0%	22.8%	3.3%	25.1%	2002	2.4%	14.1%	140	16.7%	138.501	75,000	1,388
2003	2.1%	25.4%	2.0%	27.6%	2003	1.9%	16.2%	144	20.0%	143.349	75,000	1,369
2004	2.8%	28.9%	2.2%	30.4%	2004	3.3%	20.0%	148	23.3%	148.796	80,000	1,318
2005	3.1%	32.9%	4.0%	35.6%	2005	3.4%	24.1%	152	26.7%	153.260	80,000	1,345
2006	3.8%	37.9%	3.5%	40.2%	2006	2.5%	27.2%	152	26.7%	156.478	80,000	1,355
2007	3.8%	43.2%	4.2%	46.1%	2007	4.1%	32.4%	156	30.0%	160.860	80,000	1,364
2008	3.4%	48.0%	1.6%	48.5%	2008	0.1%	32.6%	160	33.3%	166.973	80,000	1,386
2009	1.2%	53.8%	3.0%	53.0%	2009	2.7%	36.1%	164	36.7%	173.317	80,000	1,368
					2010 est	1.5%	34.6%	168	40.0%	179.210	85,000	1,342
					2011 est	1.5%	38.2%	168	40.0%	181.361	85,000	1,309
					2012	1.5%	40.3%	**168**	40.0%		85,000	**1,309**
					2012	1.5%	40.3%	**172**	43.3%		85,000	**1,340**
					2012	1.5%	40.3%	**176**	46.7%		85,000	**1,371**

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 2010, 2011 and 2012.
3. Covert Dues: For the period 1990-1999, covert dues for Year N+1 were calculated by increasing the covert dues for year N by an amount equal to the AAUP percentage for Year N-1. A"holiday" was taken in applying the usual AAUP increase for 2000, and the formula was applied subsequent to 2000 using the AAUP figure for Year N-2. The formula approach is no longer used to determine the dues rate in any given year, but is presented here for informational purposes.
4. 2010 dues revenue reflects current projections and 2011 dues revenue is as budgeted. The three scenarios presented for 2012 dues assume a paying membership similar to that budgeted for 2010.
5. December 2009-September 2010 CPI-U is 1.15%;

American Mathematical Society
Committee on Education Meeting
October 29-30, 2010
Washington DC

Summary Report

The Committee discussed a number of issues related to mathematics education. Guests of the Committee included representatives from the National Science Foundation, U.S. Department of Education, Council of Graduate Schools, Carnegie Foundation for the Advancement of Teaching, The College Board and Achieve. The meeting was well attended, with 60 participants, including 25 chairs and representatives of mathematical sciences department.

Update on NSF Support of Graduate Education

James Lightbourne (Director, NSF Division of Graduate Education) gave an overview of National Science Foundation programs that support graduate students and graduate education in the mathematical sciences. Specifically, the Division of Mathematical Sciences supports a wide range of projects including research grants, focused research groups and workforce programs that support students. In FY 2010, some 250 graduate students received financial support, mostly through research grants.

Lightbourne gave more specific information about the NSF's Graduate Research Fellowship Program (GRFP) including statistical information about applications and awards. The program has grown substantially and will likely continue to do so overall. However, GRFP awards are given in a particular field of study based on proposal pressure and applications from the mathematical sciences are lower than most. Consequently, the number of awards in the mathematical sciences is small. There was some discussion about why this is so and how the number of applications from the mathematical sciences could be increased.

CGS Graduate Education Initiative

Nathan Bell (Director Research and Policy Analysis, Council of Graduate Schools) spoke specifically about some of the Council of Graduate Schools' (CGS) projects, publications and initiatives. The Ph.D. Completion Project is a seven year, grant-funded project whose purpose is to determine completion/attrition rates and how they vary by field and demographics; to pilot interventions to help improve completion rates at selected institutions; to work with graduate schools to encourage Ph.D. completion with special emphasis on women and minorities. This project has been ongoing since 2004 and a report on outcomes is due in 2011.

The Master's Completion Project was launched in April 2009 and seeks to collect and analyze data about completion and attrition rates in STEM master's programs. There was an initial exploratory study, which garnered little useful information. However, a new 27-month project has been launched through funding by the Sloan Foundation and will seek to delve further into the issues surrounding the completion of master's degrees.

Bell also talked about *The Path Forward,* a report developed in cooperation with the Commission on the Future of Graduate Education -- a joint effort of CGS and the Educational Testing Service (ETS). The report, released in April 2010, outlines the role of graduate education in producing a highly skilled workforce and how it impacts U.S. innovation and competitiveness.

Projections for Workforce Trends and Education Requirements of STEM Jobs Through 2018

Nicole Smith (Senior Economist, Center on Education and the Workforce, Georgetown University) presented findings of the research conducted by the Georgetown University Center on Education and the Workforce on the demand for STEM and graduate education in the coming years. They found that 63 percent of all employment by 2018 will require postsecondary education. This represents a substantial increase in the number of postsecondary degrees that America's colleges and universities will need to confer. Research suggests that we will fall short by 3 million postsecondary degrees – meeting this demand will be a huge challenge for the U.S.

Research specific to STEM education found that shortages continue despite increasing enrollment and graduation rates. STEM occupations are set to grow from 6.8 million to 8 million total jobs by 2018 and 92 percent of those jobs will require some kind of postsecondary education and training.

The Common Core State Standards in Mathematics

William McCallum (Director, Institute for Mathematics and Education, University of Arizona) explained that the Common Core State Standards were produced through an initiative led by the Council of Chief State School Officers (CCSSO) and the National Governors Association (NGA) to develop and adopt a core set of academic standards in mathematics and English language arts. The year-long Standards project is complete and, to date, 41 states and the District of Columbia have adopted the Standards.

McCallum (a member of the mathematics work group for the standards) described the two types of mathematics standards contained in the document: those for mathematical practice and those for mathematical content. He also discussed the purpose of standards, the design principles and constraints, overarching standards, and other related projects that are currently underway.

STEM Initiatives at the U.S. Department of Education

Pat Johnson (U.S. Department of Education) talked about mathematics initiatives at the U.S. Department of Education including the Mathematics and Science Partnership (MSP) program, which is designed to strengthen teacher's content knowledge through partnerships between high-need school districts and higher education STEM faculty.

Johnson described the characteristics of the MSP program, as well as levels of participation and funding. She also discussed the models used for providing professional development for

teachers and how gains were measured in teacher content knowledge and student achievement levels. She summarized the department's findings related to the importance of partnerships and evaluation designs.

Johnson also talked about the Department's "21st Century Community Learning Centers" STEM initiative, which supports the creation of community learning centers that provide academic enrichment opportunities during non-school hours. She also reported on the recently released President's Committee of Advisors on Science & Technology (PCAST) K-12 STEM Education Report, which makes specific recommendations on how to better prepare our nation's K-12 students in STEM subjects.

The Implications for Higher Ed of the Common Assessments

Laura McGiffert Slover (Vice President, Content and Policy Research, Achieve, Inc.) briefed attendees on the Common Core State Standards Initiative, specifically about the goals, parameters, process and timeline of developing the final Standards. She reiterated what Bill McCallum reported on earlier in the program regarding the design and organization of the mathematical standards, giving examples of mathematical content at different grade levels and in different mathematical subject areas.

Slover also discussed Achieve's efforts to develop *High School Math Pathways* that reorganize the high school Common Core Standards into course sequences that ensure student completion of college and career readiness standards by the end of three courses, preparing them for a variety of optional fourth courses. *Accelerated Pathways* are two additional pathways that accelerate the curriculum and require a faster pace, both of which prepare students for Precalculus in their junior year and Calculus in their senior year of high school.

Slover went on to discuss the Partnership for Assessment of Readiness for College and Careers (PARCC) Consortium, a partnership of states, which is committed to increasing the rates at which students graduate from high school prepared for college and successful careers. States in the Partnership will adopt an assessment system anchored in the Common Core State Standards whereby students take parts of the assessment at critical times during the school year, close to when specific material is learned, in order to more precisely assess their performance and keep them on track.

Creating Evidence-based Pathways To and Through a First Credit-Bearing College Math Course

Uri Treisman (Director, The Charles A. Dana Center, University of Texas at Austin) and Bernadine Chuck Fong (Senior Partner, Carnegie Foundation for the Advancement of Teaching) spoke to the group about *Statway: A Pathway To and Through Statistics* -- an initiative designed to help community college students who place below college-level mathematics to complete the necessary developmental mathematics and a college-level statistics course within one academic year.

Treisman and Fong provided an overview of Statway and talked about this experimental program's student learning goals and outcomes. The first implementation of the program is set for Fall 2011.

The Vermont Mathematics Initiative: A Model for Improved Mathematics Instruction and Higher Student Achievement

Ken Gross (University of Vermont) discussed the Vermont Mathematics Initiative (VMI), which provides professional development opportunities for teachers at the elementary school level. Strong content knowledge is at the core of the program, giving teachers a solid foundation in mathematics to ensure a high quality mathematics education for their students.

The VMI has two components: Phase I is the Master's Degree program which is designed to train teachers to build capacity in school districts; Phase II is the District Implementation component which uses a district's Phase I trained teachers to reach all K-8 teachers in the district. The Master's Degree program is three years long consisting of 12 courses for 36 credits. In its 12th year, this program has graduated 327 teachers in over 90 percent of the school districts in Vermont.

Gross summarized statistical information about the efficacy of the VMI program and gave examples of mathematical problems and how students approach solving them after being taught by teachers before, during and after participation in the VMI program.

Mathematics and Music

David Wright (Washington University in St. Louis) described a course in mathematics he developed that uses music to help students understand relationships between mathematics and music; build on their musical knowledge and creativity; heighten their ability for abstract reasoning and computation; blend their artistic and analytical skills; and utilize interactive tools, such as the computer and synthesizer, to enhance their musical creativity. The course is designed for all levels of mathematics education, but Wright is currently teaching it as a freshman course.

Wright presented the group with numerous audio samples highlighting the mathematical concepts behind musical compositions and discussed what they represent and how they are perceived by the listener.

Interactions between Teachers and Mathematicians: A Model for Professional Development

William McCallum (Director, Institute for Mathematics and Education, University of Arizona) gave a presentation on professional development and why it is important for teachers, especially now. The workshop, held in March 2010 at the Institute for Mathematics & Education (IM&E) at the University of Arizona, produced pamphlets to guide instructors teaching calculus.

This workshop utilized pairs of mathematicians and teachers or mathematics educators and teachers working together to develop six pamphlets on: 1) Limits; 2) Rate of Change; 3) Fundamental Theorem of Calculus; 4) Use of Symbols; 5) Problem Solving; and 6)AP-IB to College Transition. What they found was that the interaction among these groups of people was actually more valuable than the pamphlets that were produced. McCallum shared comments from workshop participants that highlighted their positive experiences working in these groups. He then led a discussion among meeting attendees on suggestions of other ways to reach similar outcomes.

Discussion on Graduate Education

Eric Friedlander (University of Southern California) led a discussion on graduate education and what the AMS could do to aid and support graduate students. Several ideas were discussed including creating student chapters, possibly adding student Board members, providing guidance on how to secure a job after graduation and generally giving more support to grad students on issues of importance to them.

COE Activities at New Orleans, LA Joint Mathematics Meetings, January 2011

The AMS Committee on Education will host a panel discussion at the Joint Meetings in New Orleans, LA in January 2011 entitled "Teaching Elementary Math is not Elementary: How Mathematicians Can Help, and Why?" Panelists will include Hyman Bass (University of Michigan), Ken Gross (University of Vermont), Johnette Roberts (City of Baker School System) and Kristin Umland (University of New Mexico). The panel discussion will be held on Sunday, January 9th from 8:30 am to 10:00 am.

Date of Next Meeting

The committee chose October 28-29, 2011 as the date for the next meeting of the AMS Committee on Education. The meeting will be held in Washington, DC.

Submitted by Anita Benjamin
American Mathematical Society
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