

**AMERICAN MATHEMATICAL SOCIETY
EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES
NOVEMBER 21-22, 2008
PROVIDENCE, RHODE ISLAND**

MINUTES

A joint meeting of the Executive Committee of the Council (EC) and the Board of Trustees (BT) was held Friday and Saturday, November 21 and 22, 2008, at the AMS Headquarters in Providence, Rhode Island.

All members of the EC were present: George E. Andrews, Sylvain E. Cappell, Ruth M. Charney, Robert J. Daverman, James G. Glimm, Robert M. Guralnick, and Craig L. Huneke.

All members of the BT were present: John B. Conway, John M. Franks, Eric M. Friedlander, James G. Glimm, Linda Keen, Donald E. McClure, Karen Vogtmann, and Carol S. Wood.

Also present were the following AMS staff members: Thomas J. Blythe (Chief Information Officer), Gary G. Brownell (Deputy Executive Director), Kevin F. Clancey (Executive Editor Emeritus, Mathematical Reviews), John H. Ewing (Executive Director), 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), and Samuel M. Rankin (Associate Executive Director, Washington Office).

Constance W. Pass (Chief Financial Officer) was present on Saturday.

President James Glimm presided over the EC and ECBT portions of the meeting (items beginning with 0, 1, or 2). Board Chair Eric Friedlander 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
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0.1 **Opening of the Meeting and Introductions.**

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

0.2 **2008 AMS Election Results.**

Secretary Daverman announced the following election results:

Vice President

Frank Morgan, Williams College

Term is three years (1 February 2009 - 31 January 2012)

Trustee

Ronald J. Stern, University of California, Irvine

Term is five years (1 February 2009 - 31 January 2014)

Members at Large of the Council

Aaron Bertram, University of Utah

William A. Massey, Princeton University

Panagiotis E. Souganidis, University of Chicago

Michelle L. Wachs, University of Miami

David Wright, Washington University

Terms are three years (1 February 2009 - 31 January 2012)

Nominating Committee

Irene Fonseca, Carnegie Mellon University

Sheldon H. Katz, University of Illinois at Urbana-Champaign

Ellen E. Kirkman, Wake Forest University

Terms are three years (1 January 2009 - 31 December 2011)

Editorial Boards Committee

Michael T. Lacey, Georgia Institute of Technology

Michael F. Singer, North Carolina State University

Terms are three years (1 February 2009 - 31 January 2012)

Proposal for a Fellows Program of the AMS

NOT approved. In order for it to be approved, the proposal required more than 2/3 of the members voting on the issue to be in favor. 66.2% of the members voting on the issue were in favor.

0.3 Housekeeping Matters.

Executive Director Ewing mentioned some details about the schedule and arrangements for the events that will take place during the current meeting.

1 EXECUTIVE COMMITTEE ACTION/DISCUSSION ITEMS
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1.1 Draft Agenda for the January 2009 Council Meeting.

As the only addition or change to the skeleton agenda, the Executive Committee recommended that there be a spot on the agenda for the Council to discuss the vote on the Fellows Program. In addition, for the Spring 2009 Council Meeting it chose *Employment Prospects in the New Economy* as discussion topic. The aim is to concentrate on what the AMS can do to help young mathematicians improve their employment chances.

II EXECUTIVE COMMITTEE INFORMATION ITEMS

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

Minutes of Secretariat business by mail during the months May – November 2008 are attached (#2).

2 EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES ACTION/DISCUSSION ITEMS
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2.1 Report on Mathematical Reviews Editorial Committee (MREC). Att. #3.

The ECBT received the attached report (#3) on the October 6, 2008 MREC meeting.

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

The ECBT received the attached report (#4) on the September 12-13, 2008 CPub meeting.

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

The ECBT received the attached report (#5) on the September 13, 2008 CoProf meeting.

In addition, the ECBT was informed that in the past month there have been several indicators of a deteriorating academic job market for young mathematicians. The ECBT therefore discussed the topic of rapidly changing employment prospects. It was noted that a vaguely similar situation occurred in the early 1990s, and at the time the Society created a task force, chaired by Don Lewis, to make recommendations about actions that departments, deans,

societies, and applicants themselves could take in order to ameliorate the effects of a dismal job market. The following documents from that time were provided for reference:

- “AMS Employment Task Force Report” by Allyn Jackson, *Notices of the AMS*, October 1992, Volume 39, Number 8 (A short article written by Allyn Jackson about the 1992 task force and its report, providing a good summary of the problem and the recommendations.)
- “Employment and the U.S. Mathematics Doctorate: Report of the AMS Task Force on Employment – July 1992” (The report of the task force with background and recommendations.)
- “Academic Hiring Survey, 1991-92” by Donald E. McClure, *Notices of the AMS*, April 1992, Volume 39, Number 4 (The first report from the annual survey in 1992, documenting the extent of the employment crisis at the time. It was included as an appendix to the task force report.)

The ECBT decided to form a working group to assess the current situation and report back to the ECBT in May 2009. The working group is to be appointed by the President and have major input from CoProf.

2.4 Report on Committee on Education (COE). Att. #31.

The ECBT received the attached report (#31) on the October 31-November 1, 2008 COE meeting.

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

The ECBT was informed that the last COMC meeting was April 12, 2008 at the O’Hare Hilton Hotel in Chicago. A report of that meeting was given at the May 2008 ECBT meeting. The next COMC meeting will be held on Saturday, March 14, 2009 at the AMS Headquarters in Providence.

2.6 Report on Committee on Science Policy (CSP).

The ECBT was informed that the next CSP meeting will be March 6-7, 2009 in Washington, DC. The summary report of the 2008 CSP meeting was previously provided to the ECBT.

CSP has secured Kei Koizumi, Director of R&D Budget and Policy Program for the American Association for the Advancement of Science (AAAS), to speak to Joint Meeting attendees in January 2009 about federal support for scientific research and development in future federal budgets.

2.7 Washington Office Report. Att. #6.

The ECBT received the attached report (#6) on the activities of the Washington Office.

2.8 Public Policy Award.

The ECBT was informed that no public official has been identified at this time to receive the AMS Public Policy Award. The members of the Public Policy Award Selection Committee are the President, President Elect or Immediate Past President, and Chair of the Committee on Science Policy, with staff support provided by the Washington Office. The Selection Committee hopes to make an award in 2009.

2.9 Report from the President.

President Glimm commented on the following matters that are of particular interest to him. These same topics were also discussed at the November 21, 2008 Long Range Planning Committee (LRPC) meeting.

- **Teaching:** The Society created a taskforce to work on the first year of university mathematics education. The AMS should continue to be involved in K-12 education, especially a portion of the work on teacher preparation, which takes place in universities.
- **The “big tent” concept for AMS:** Many areas at the edges of mathematics need attention, lest those with a strong promise for the future migrate to other societies as their home base. Specifically, this includes the mathematics of data, knowledge, machine intelligence, as well as pattern recognition, math of finance, a large cut through mathematical biology, etc.
- **Opportunities for meetings:** AMS sectional meetings are organized by regions, not subjects. This is the perfect place to carry out the “big tent” philosophy, as there is no direct competition for a regional meeting with a broad framework of topics.
- **The looming employment crisis:** The LRPC decided to put the looming employment crisis on the front burner by adding two events to the program for the 2009 Joint Mathematics Meetings: a panel discussion on how to apply for non-academic employment and a short course on numerical modeling and statistical modeling (organized by President Glimm). [It is noted for the record that the short course did not take place because enough interest could not be generated on such short notice.]

2.10 Report on Long Range Planning Committee (LRPC).

See the previous item.

2.11 2010 Individual Member Dues. Att. #7.

The ECBT reviewed **Att. #7**, which presents the principles and procedures for setting individual member dues, along with the information used by staff in formulating their

recommendation that the 2010 dues rate for individual members be increased by \$4 above the 2009 level.

The ECBT concurred with the staff and voted to recommend a regular high dues rate of \$168 for 2010 to the January 2009 Council.

The ECBT also voted to recommend to the January 2009 Council that the annual professional income amount used to differentiate between the two dues rates for regular members (also known as the dues “cut-off”) be increased from \$80,000 to \$85,000.

2.12 Travel Grants for Graduate Students for Joint Mathematics Meetings. Att. #8.

The ECBT was informed that the AMS has received a \$25,000 gift from an anonymous donor to fund graduate students attending the 2009 Joint Mathematics Meeting in Washington, D.C. Att. #8 contains a report on the implementation of this program.

2.13 AMS Fellows Program. Att. #9.

Since a proposal for a Fellows Program for the American Mathematical Society was on the fall 2008 ballot, but the results of the vote would not be known until very shortly before this ECBT meeting, staff prepared a plan for implementation in the event that the proposal was approved (Att. #9).

It was announced at the ECBT meeting that the proposal did not pass. For passage, the proposal required more than 2/3 of the members voting on the issue to be in favor. 66.2% of the members voting on the issue were in favor.

So although the attached proposal was not immediately relevant, it was still discussed briefly, as it was anticipated that the matter might come up again in the future.

2.14 2009 Operating Plan.

The ECBT was notified on November 12, 2008 that the 2009 Operating Plan had been posted.

It was pointed out that, for the first time, the Plan includes a “program plan” focusing on career and employment services. This type of planning allows staff to plan across departments and over a longer period of time

Questions and comments on the Plan were invited. None were made.

[It is noted for the record that after Section VI (Report on Projects and Activities) is completed in spring 2010, a complete, official copy of the 2009 Operating Plan will be attached to record copies of the May 2010 ECBT minutes.]

2.15 Motions of the Secretary.

The following motions were approved by acclamation:

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

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

*The Executive Committee and Board of Trustees of the American Mathematical Society express their gratitude to **James G. Glimm** for his leadership as President of the Society and for his contribution to the management of the Society as a member of the Board of Trustees. They note with pleasure that Professor Glimm will continue to serve on the Executive Committee and trust that he will continue to be available to the Society as needed.*

*The Executive Committee and Board of Trustees of the American Mathematical Society offer praise and appreciation to **John H. Ewing** on the occasion of his retirement as Executive Director of the AMS. John has most admirably led the Society for the past 13 years, and now leaves behind a well-functioning, successful, and fiscally sound institution. Under John's capable leadership and guidance, the book publication program has blossomed; MathSciNet has become an unparalleled resource; the Public Awareness Office founded during his tenure has gained a firm footing; and the Washington Office has developed a clear and coherent operating strategy. Moreover, assets of the Society have increased dramatically and the Society's balance sheet is sound; services to members have increased; and attention to mathematics education has been heightened.*

On behalf of all the members and staff of the American Mathematical Society, we express our gratitude to John Ewing for his many valuable contributions and we wish him success in his future endeavors.

2C EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES CONSENT ITEMS

2C.1 May 2008 ECBT Meeting.

The ECBT approved the minutes of the meeting of the Executive Committee and Board of Trustees held May 16-17, 2008, in Ann Arbor, Michigan, 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-0508.pdf>),
- ECBT "open" executive session minutes prepared by the Secretary of the Society.

2I EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES INFORMATION ITEMS

2I.1 Congressional Fellow. Att. #18.

James Rath has been chosen as the AMS Congressional Fellow for 2008-09. He will be working in the office of Rep. Ruben Hinojosa (D-TX).

Jim Rath was chosen from among several very competitive applications. He earned his Ph.D. in Computational and Applied Mathematics from the University of Texas at Austin after completing his thesis on numerical analysis and linear algebra. He most recently worked as a lecturer and postdoctoral fellow at the University of Texas in the Center for Subsurface Modeling in the Institute for Computational Engineering and Science.

The AMS plans to sponsor a Congressional Fellow again in 2009-10. The deadline for receipt of applications for that fellowship is January 31, 2009. 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.

A report on the AMS Congressional Fellowship, along with perceptions of the experience and value of the program from former AMS Fellows is attached (#18).

2I.2 AAAS-AMS Mass Media Fellowship.

The AMS did not sponsor a Mass Media Fellow this past summer as the Fellow who was chosen declined the fellowship and there were no other candidates that could be placed at such a late date.

The AMS will sponsor a fellow in the summer of 2009. Applications are now being accepted. The deadline for submission is January 15, 2009. An announcement and information on the application process will be sent to graduate students in the mathematical sciences in the Fall so that all interested students may apply.

2I.3 Changes in Registration Fees for Conferences, Employment Center or Short Course.

The Executive Director is authorized to make changes in these registration fees and then inform the ECBT. No changes have been made since since the May 2008 ECBT meeting.

2I.4 Schedule for November 2008 ECBT Meeting. Att. #19.

It was reported that the Secretary and Executive Director had set the schedule for the November 2008 ECBT meeting (see Att. #19).

3 BOARD OF TRUSTEES ACTION/DISCUSSION ITEMS
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3.1 Budget Review.

The BT discussed items 3.1.1 through 3.2.5 and then voted to approve the 2009 budget as presented (subject to the discussion of item 3E.3 [2009 Salaries] 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 2008 projections and the 2008 budget, and between 2008 projections and the 2009 budget. See 3.1.

3.1.2 Capital Expenditures – 2008 and 2009 Capital Purchase Plans.

The BT reviewed the 2009 capital purchase plan, and approved it as part of the 2009 budget. See item 3.1.

3.1.3 Capital Expenditures - Approval of Specific Purchases. Att. #20.

The BT approved the attached minutes (#20) of the meeting by technical means dated October 25, 2008, approving the capital expenditure of \$233,279 to replace the roof on the south wing of the Providence facility.

3.2 Spendable Income, Operations Support Fund and Other Related Items. Att. #21.

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 is contained in section D of the Fiscal Reports that are provided to the ECBT. This description is

summarized in the diagram in **Att. #21**, which has labels showing how the five parts of Item 3.2 are connected to the process.

3.2.1 Addition to Operations Support Fund (OSF).

In 2007, approximately \$2,997,900 was added to the OSF from operations. Additional cash was added for \$2,000,000, but the remainder of the addition required no additional cash to be added to the long-term portfolio, as this amount was owed to operations. The amount owed to operations arises as a result of spendable income netted against contributions to endowment and Board designated funds. Operations did not require the liquidation of long-term investments for cash flow purposes, so this net amount was left in the form of long-term investments and formally added to the OSF by the BT at its November 2007 meeting.

The amount due operations from the long-term investment portfolio at the end of 2008 is estimated to be approximately \$740,000. Operations will likely have to transfer funds to the long-term investment portfolio of approximately \$677,000 in order to maintain certain individual endowment funds' allocated values at their original gift amount. Accordingly, it appears to be prudent to use these funds, which are already invested in the long-term investment portfolio, to cover this obligation.

The BT approved the Chief Financial Officer's recommendation that the amount due operations from the long-term investment portfolio at 12/31/08 (estimated to be approximately \$740,000) be used to fulfill the 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 should remain there and be officially added to the OSF.

3.2.2 Rebalancing of Economic Stabilization and Operational Support Funds.

Under a 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 the end of 2008 is dependent mainly upon the return on the long-term investment portfolio in 2008. The BT reviewed an example of what the year end balances in the ESF and OSF could look like using portfolio return through October 28, 2008 (DJIA at about 9,000).

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 2008 and 2009, determined according to the guidelines approved by the BT are \$1,039,300 and \$1,399,500, respectively. The 2009 amount had been previously approved. The significant increase for 2009 is due to the rebalancing between the ESF and OSF at the end of 2006 (first year new policy was applied) and is consistent with the increase seen from 2006 to 2007. It should be noted that the balances in the OSF for the base years are not normalized for additions and withdrawals for the purpose of calculating the spendable income (as is done for the true endowment funds).

3.2.4 Appropriation of Spendable Income from Unrestricted Endowment. Att. #22.

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 2009 budget includes the entire amount available, approximately \$275,000, in appropriated spendable income in numerous supported projects.

The BT approved the recommended appropriations for 2009 as outlined in Att. #22.

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 shall be made at the May 2009 ECBT meeting for 2008, but the BT was informed that no such changes are currently anticipated.

3.3 Investment Committee Report. Att. #23.

The BT received the attached report (#23) on the October 17, 2008 Investment Committee meeting.

3.4 Update on the AMS Printing Facility. Att. #24.

The BT received the attached report (#24) on the status of the Society's printing abilities with a focus on the capacity for printing in color.

3.5 Trustees' Officers.

The BT elected John B. Conway Chair of the Board, and Karen Vogtmann Secretary of the Board, for the term February 1, 2009 – January 31, 2010.

3.6 Trustees' Committees, etc. Att. #28.

Board Chair Eric Friedlander made the appointments/assignments as shown on the attached list (#28).

[It is noted for the record that since Donald McClure was appointed Executive Director shortly after this meeting, his slot as Associate Treasurer on several committees will remain open until his successor is named. Also, Linda Keen's appointment on the Investment Committee has expired, but she has not been reappointed or replaced as of the date these minutes were written.]

3C BOARD OF TRUSTEES CONSENT ITEMS

3C.1 May 2008 BT Closed Executive Session Meeting.

The BT approved the minutes of the closed executive session meeting of the Board of Trustees held May 17, 2008, in Ann Arbor, Michigan, which had been distributed separately.

3C.2 Request for Support of Speakers at 2010 AAAS Annual Meeting.

The BT authorized \$12,000 to support mathematics speakers at the 2010 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.

3C.3 Recognition for Length of Service.

The BT approved the following proclamations for the employees noted:

20 years of service:

**Neil G. Bartholomew
David M. Dalton
Alan Harder
Andrei Iacob
Margaret R. Meenan
Erol Ozil
Peter B. Sykes**

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:

**Cheryl Norato
Lorraine A. Sprague**

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 her well in the future.

30 years of service:

**Patricia Zinni
Maryse A. Brouwers
Drury R. Burton**

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:

**Kyle T. Antonevich
Penelope Pina**

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.

40 years of service:

Barbara J. Veznaian

The Board of Trustees takes great pride in recognizing Barbara J. Veznaian for the outstanding distinction of serving the Society for forty 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 Barbara for being such a loyal employee and wish her well in the future.

3I BOARD OF TRUSTEES INFORMATION ITEMS

3I.1 Focused Planning for Infrastructure. Att. #27.

The BT was informed that, during 2008, the Association Management Systems Evaluation Team evaluated the commercially available association management systems from the short list of vendors created during the 2007 investigation. The short list of vendors for the selection project consisted of:

- Advanced Solutions Incorporated (product: iMIS)
- Aptify Corporation (product: Aptify)
- TMA Resources (product: Personify)

The evaluation and selection process consisted of:

- Creation and distribution of a request for proposal (RFP)
- Evaluation of the responses to the RFP

- Creation and distribution of a vendor demonstration script
- Evaluation of vendor demonstrations
- Reference checks of current customers
- Site visit to vendor's headquarter

After completing the evaluation process, the evaluation team reached the consensus that TMA Resources' Personify package was the preferred choice. TMA Resources' current proposal for software and professional services exceeds staff's original estimate. The Society expects to negotiate a more reasonable price. Once the negotiations are complete, approval for the capital expenditure will be requested from the BT via electronic means. See **Att. #27** for further details.

3I.2 Small Change in Fringe Benefits.

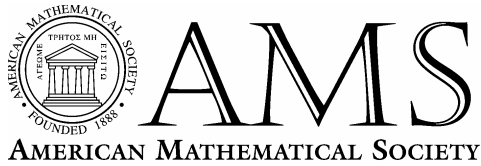
The November 1996 BT authorized the Executive Director to approve changes in benefit plans (except for those changes which would significantly enhance or degrade the Society's financial health or relations with its employees) and asked that these changes be reported to the BT when appropriate.

The Executive Director reported that no changes have been made since the last ECBT meeting.

Respectfully submitted,



*Robert J. Daverman, Secretary
Knoxville, Tennessee
January 28, 2009*



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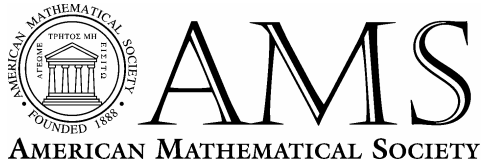
**SECRETARIAT
Business by Mail
May 1, 2008**

**MINUTES
from the Ballot dated April 1, 2008**

There were three votes cast by Robert Daverman, Michel Lapidus, and Matthew Miller.

1. Approved electing to membership the individuals named on the list dated March 20, 2008.
2. Approved holding the Spring 2010 meeting of the Western Section at the University of New Mexico, in Albuquerque, on Saturday and Sunday, April 17-18, 2010.
3. Approved Oakton Community College, Des Plaines, IL, for a 2 year institutional membership.
4. Approved the minutes of the Secretariat Business by Mail from the ballot dated March 4, 2008.

Robert J. Daverman



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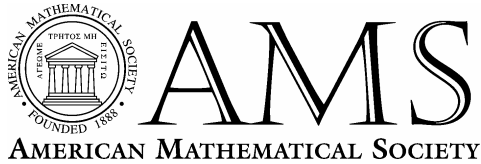
**SECRETARIAT
Business by Mail
June 2, 2008**

**MINUTES
from the Ballot dated May 1, 2008**

There were five votes cast by Robert Daverman, Susan Friedlander, Michel Lapidus, Lesley Sibner and Matthew Miller.

1. Approved electing to membership the individuals named on the list dated April 20, 2008.
2. Approved holding a Western Sectional meeting in Los Angeles, California at UCLA on October 9-10, 2010.
3. Approved holding an Eastern Sectional meeting in University Park, PA, at Pennsylvania State University on October 24-25, 2009.
4. Approved the minutes of the Secretariat Business by Mail from the ballot dated April 1, 2008.

Robert J. Daverman



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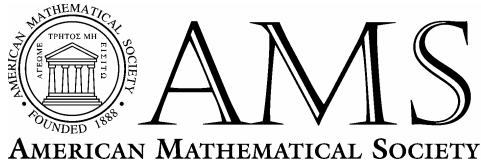
**SECRETARIAT
Business by Mail
July 1, 2008**

**MINUTES
from the Ballot dated June 2, 2008**

There were four votes cast by Robert Daverman, Michel Lapidus, Lesley Sibner and Matthew Miller.

1. Approved electing to membership the individuals named on the list dated May 20, 2008.
2. Approved holding an AMS-SMM Joint International Meeting at the University of California, Berkeley, on June 2-5, 2010.
3. Approved the minutes of the Secretariat Business by Mail from the ballot dated May 1, 2008.

Robert J. Daverman



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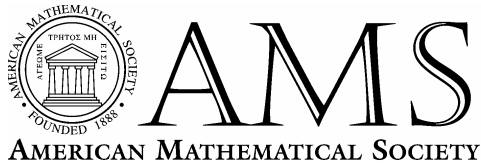
**SECRETARIAT
Business by Mail
August 1, 2008**

**MINUTES
from the Ballot dated July 1, 2008**

There were five votes cast by Robert Daverman, Susan Friedlander, Michel Lapidus, Lesley Sibner and Matthew Miller.

1. Approve electing to membership the individuals named on the list dated June 20, 2008.
2. Approved changing the dates of the 2010 Joint Math Meetings to be held in San Francisco, CA, from January 6-9 (as previously approved) to January 13-16.
3. Approved holding an AMS Council meeting on January 12, 2010.
4. Approved the University of Central Arkansas, Conway, AR, for institutional membership.
5. Approved Lahore University of Management Service, Centre for Advanced Studies in Mathematics, Lahore, Pakistan, for international institutional membership.
6. Approved Lab Nacional de Comp Cientifica (LNCC), Cientifica Biblioteca, Av Getulio Vargas, 333, Petropolis, RJ, Brazil, for international institutional membership.
7. Approved the minutes of the Secretariat Business by Mail from the ballot dated June 2, 2008.

Robert J. Daverman



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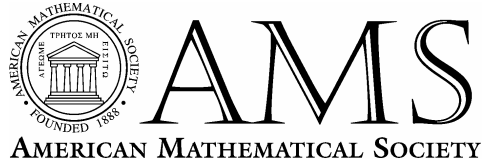
**SECRETARIAT
Business by Mail
September 2, 2008**

**MINUTES
from the Ballot dated August 1, 2008**

There were five votes cast by Robert Daverman, Michel Lapidus, Lesley Sibner and Matthew Miller.

1. Approved electing to membership the individuals named on the list dated July 20, 2008.
2. Approved holding a Southeastern Sectional AMS meeting at Georgia Southern University in Statesboro, Georgia, on March 12-13, 2011.
3. Approved the minutes of the Secretariat Business by Mail from the ballot dated July 1, 2008.

Robert J. Daverman



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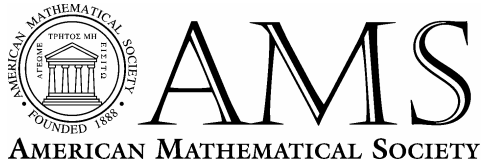
**SECRETARIAT
Business by Mail
October 1, 2008**

**MINUTES
from the Ballot dated September 2, 2008**

There were five votes cast by Robert Daverman, Susan Friedlander, Michel Lapidus, Lesley Sibner and Matthew Miller.

1. Approved electing to membership the individuals named on the list dated August 20, 2008.
2. Approved JUARCHCUN (Inst ID: UJUAUT-CUN), Univ Juarez Autonoma de Tabasco, Div Academica de Ciencias Basicas, Cunduacan, Tabasco, MEXICO, for international institutional membership.
3. Approved holding an Eastern Sectional Meeting at New Jersey Institute of Technology in Hoboken, NJ, on May 22-23, 2010.
4. Approved the minutes of the Secretariat Business by Mail from the ballot dated August 1, 2008.

Robert J. Daverman



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**SECRETARIAT
Business by Mail
November 3, 2008**

**MINUTES
from the Ballot dated October 1, 2008**

There were five votes cast by Robert Daverman, Susan Friedlander, Michel Lapidus, Lesley Sibner and Matthew Miller.

1. Approved electing to membership the individuals named on the list dated September 20, 2008.
2. Approved ARJRCH554, Anoka-Ramsey Community College, Math & Computer Sci Dept, Coon Rapids, MN 55433 for institutional membership.
3. Approved holding a Joint International Meeting of the AMS and the Korean Mathematical Society in Seoul, Korea, on Dec 16-20, 2009. (This would be a Wed - Sun meeting.)
4. Approved the minutes of the Secretariat Business by Mail from the ballot dated September 2, 2008.

Robert J. Daverman

Report on the 2008 Meeting of the Mathematical Reviews Editorial Committee

The Mathematical Reviews Editorial Committee (MREC) held its annual meeting at the Mathematical Reviews offices on October 6, 2008. In attendance were committee members Lisa Fauci, Jonathan Hall (Chair), Peter Maass, Tadao Oda, and Trevor Wooley; AMS Executive Director, John Ewing; AMS invited guest, Donald McClure; the MR editors and administrative assistant. Committee member Cameron Gordon 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 a presentation concerning ongoing activities. The committee had earlier visited managers of the various production departments where it was apprised of current issues faced by these departments. The committee was given a demonstration of the new features of MathSciNet including the very popular Author Profile page and the Librarians' Resources page. The author profile page is seeing the highest level of use of any recent new feature of MathSciNet. The librarians' resources page provides a valuable collection of resources for librarians including information on new mathematics journals and overall information on electronic availability of journals. It was noted that MathSciNet users now have direct links to over 1,000,000 full-text online articles and this places MR in a strong position as the central hub for mathematics research. The committee was also informed of several new internal processing tools.

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

The committee continued its discussion of MathSciNet as an electronic publication. The discussion was predicated on the expectation that paper MR and CMP will be discontinued within a few years. Some concerns were raised about the difficulties in maintaining a scholarly record based on a publication that is constructed in real time using a database that is updated nightly. As advised by the committee, MR has worked hard to version changes in review text. The point of view here is that authored reviews are like "mini-articles" and the integrity of these publications should be maintained and made public. On the other hand record of changes to other components of a MathSciNet listing, e.g., bibliographic information, references, links, etc., are being maintained inhouse at MR and can be made available on-demand to users.

The committee heard from a panel consisting of Gang Bao (Michigan State University), Lizhen Ji (University of Michigan), and Yang Wang (Michigan State University) concerning the coverage of the Chinese language mathematics literature by MR. Among the suggestions made by the panel were the following: MR should make sure it is covering important new journals arising in China; decisions on MR coverage of specific Chinese language journals should be reviewed periodically by an external panel; a random sample survey of the quality of Chinese language journals should be conducted; it is appropriate to use institution ranking to evaluate journals published by Chinese institutions; MR should be more proactive in acquiring mathematics books published in China for review; MR should place the burden on the individual journal to supply English bibliographic information and summaries; MR should hire an

individual inside China to work on its coverage of this segment of the mathematics literature; a comparative study of MR coverage with Chinese institution library holdings should be made. The panel did understand the limited resources available to MR for handling the vast mathematics literature arising in China and overall appeared satisfied with its coverage. This latter conclusion was reinforced by the committee during its follow-up discussion of the panel input.

The committee discussed the matter of lighter treatment of some interdisciplinary journals. The model of “Database Expansion Item” listings already exists for articles from a collection of Statistics and Computer Science journals. The committee tentatively approved expanding this type of listing to some interdisciplinary journals; however, asked that an editorial policy governing such decisions be drawn up.

The committee heard from John Ewing about his recent “Citation Statistics” report. This report, coauthored by Robert Adler of the Technion –Israel Institute of Technology, and Peter Taylor of the University of Melbourne, was commissioned by the IMU based on concerns of the abuse and misuse of citation statistics.

The committee approved adding only one new journal to the collection of around 420 reference list journals that form the core of the MR Citation Database. This year the MR editors had considered and recommended 11 new journals as additions to this collection; however, in spite of prestigious editorial boards for these journals, the committee felt it will be better to wait and see the actual quality of articles published in these very new journals.

The committee reviewed the [MR Editorial Statement](#) and several cosmetic changes were approved.

As is done annually, the committee was provided with comparative information concerning the Mathematical Reviews and the Zentralblatt Math databases. The joint MR-Zbl revision of the 2000 Mathematics Subject Classification is now complete. The new version, MSC2010, is currently being incorporated into the internal production process and will be distributed to publishers and the community in early 2009.

The date for the next MREC meeting is Monday, October 5, 2009.

Kevin Clancey, Executive Editor
October 2008

AMS Committee on Publications
September 12-13, 2008
Report

A meeting of the AMS Committee on Publications (CPub) was held on September 12-13, 2008 at the Chicago Hilton O'Hare, Chicago, IL. Ken Ono, Chair, presided over the meeting.

The Friday evening discussion, facilitated by Executive Director, John Ewing, focused on issues related to journal publishing, specifically, the potential impacts of "open access", and the ever increasing amount of new mathematics journals being published.

The issue of new journals was discussed briefly by the Committee. It was noted that an average of roughly 50 new mathematics journals are being launched yearly, increasing competitive pressure on publishers, especially given the current budgetary constraints being faced by libraries. Combined with the growing trend of "bundling", which offers libraries a more budget-friendly option by selling journal subscriptions in packages, the emergence of an increasing number of new journals presents a significant challenge to publishers of mathematics journals.

The evening's discussion mainly centered on prospective implications of the various approaches to "Open Access" in journal publishing. To fund the publication of journals under the traditional, or "Gold", model of open access, publishers require authors to pay up-front for their material to be published. This is done in lieu of charging subscription fees for journals. The journals are then made available for free (usually via the internet). The AMS currently employs a different model, referred to as "Green" open access, under which journal subscriptions are paid for by the consumer, but material five (5) years or older is made freely available. So far, employing a "Green" model does not seem to have caused any noticeable drop in subscription rates for the AMS, but the concern is that eventually it will.

The Committee discussed the potential effects of the "Gold" model of open access, in the event this model were to become the industry standard. The Committee voiced several concerns including: the inherent conflict of interest posed to authors, the issue of author affordability, the affect on funding sources, and the affect on the overall quality of the material. The Committee felt that the AMS should make a policy statement against publishing according to a "Gold" model of open access and began preparing a draft statement.

In an addition to the agenda made as the meeting commenced on Saturday morning, CPub discussed this draft policy statement and decided it was not ready to send it to the Council for approval. A subcommittee will be appointed to continue working on the statement and the accompanying material for reconsideration at the 2009 CPub meeting.

The agenda on Saturday also included the following topics:

CPub 2007 Updates

The Publisher provided an update to the Committee on the feasibility of digitizing the journal backfiles with the intent of making them freely accessible on the AMS website, which was

discussed at the 2007 meeting. It was explained that the expense of such a project remains too high at this time, and that due to other projects presently being undertaken, the timing is not appropriate. *CPub decided to revisit the backfile digitization project at their 2010 meeting.*

Review of the AMS Book Program

The report of the CPub subcommittee which reviewed the book publishing program was presented. The subcommittee's evaluation was conducted to determine the overall scientific and editorial health of the book program and examined scientific scope, quality, and readership.

The following findings were presented:

- **Scientific Scope:** The AMS is doing a good job of publishing books in all areas of mathematics, although some gaps in coverage, such as in applied mathematics, were identified.
- **Scientific Quality:** The quality of AMS books is considered to be high, with very strong support of the AMS as a publisher of high quality research monographs, and strong support of the AMS as a publisher of high quality graduate texts and conference proceedings.
- **Wide Readership:** Overall the AMS book program is doing a good job of publishing an array of books for its wide readership. The results of the survey of members indicate that the AMS should work toward increasing awareness of the variety of publication types it offers.
- **General:** The subcommittee pointed out the large number of existing AMS book series and also mentioned that more translations should be included in the program. Otherwise, it was stated that the book program should keep up the good work.

A recommendation was made by the subcommittee that guidelines for AMS book editors, similar to those for journal editors, be established to serve as a resource for new and existing editors. *A subcommittee will be appointed to complete a preliminary draft of book editor guidelines, which will be presented at the 2009 CPub meeting.*

Report on the Managing Editors meeting

A meeting of the Managing Editors of the AMS primary journals takes place every other year prior to the CPub meeting. The Publisher provided a report on this meeting, which was attended by the four (4) Managing Editors, the Executive Director, the Publisher, and the Associate Executive Director of Publishing. Discussion at the meeting included a review and update on centralized submission, a review of editorial committee support, a review of editorial terms, a review of communication with the Editorial Boards Committee (EBC), as well as discussion on journal backlogs, expansion, and coverage. Since there was overlap in both meeting agendas, the Managing Editors present also provided input during the CPub meeting.

Memoirs Pages

Although a temporary 600 page increase has been instituted for the *Memoirs* for 2008 and 2009, the backlog continues to grow. The Committee and Managing Editor discussed factors unique to *Memoirs*, which act to contribute to the growing backlog. AMS staff will recommend to the

ECBT that the temporary increase be made permanent, thereby increasing *Memoirs* production to 3,800 pages per year. It was also noted that the *Memoirs* will become accessible online in 2009, and electronic subscriptions will be available beginning in 2010.

Report on Mathematical Reviews

The Executive Editor of Mathematical Reviews (MR) presented the committee with the annual report on Mathematical Reviews, noting that MR has seen a 4% growth in listings and has recently exceeded over a million direct article links. The newest version of MathSciNet was launched on August 25th and includes a new “Author Profile” feature, which was demonstrated for the Committee. A new “Librarians” feature has also been added as a resource for libraries. The revision of the Mathematical Subject Classification (MSC) scheme has been finalized and is now in production. The addition of 400 new five (5) digit MSCs and approximately 30 to 40 new three (3) digit MSCs have been added. The expectation is that journals will begin using the new MSC scheme in early 2009.

Report on journal backlogs

The committee discussed the standard backlog report of mathematical research journals that appears in the *Notices* as well as an internal production report for the four (4) AMS primary journals and *Memoirs*. The Associate Executive Director of Publishing noted that, as these reports are prepared in July, the backlog numbers reported will continue to trend down throughout the year due to the page increases implemented in 2008. In an effort to further assist in easing the backlog for *Transactions* and increasing submission rates for *Proceedings*, an increase in the page limit, from 10 to 15, will be instituted for *Proceedings* and will take effect immediately.

New book series

The Publisher presented a proposal to start a new AMS book series, consisting of high-level undergraduate textbooks. The AMS has purchased the Brooks/Cole Series in Advanced Mathematics, also known as the Sally Series, from Cengage Learning, Inc. and will use these titles as a foundation upon which to build the new series. This purchase includes all inventory and publishing rights for the 12 undergraduate and three (3) graduate textbooks in the series. The textbooks will be recovered and priced significantly less than as sold by Cengage. The three (3) graduate textbooks will become part of the *Graduate Studies in Mathematics* (GSM) series. *CPub* voted to recommend to the Council that a new AMS book series in undergraduate mathematics be started.

Publishing books on interdisciplinary mathematics

The Publisher discussed plans for increasing the publication of books in the area of applied mathematics, which is currently underrepresented in the AMS publishing program. The scope of the publishing program would be expanded by publishing books which focus on the essential use of mathematics in disciplines such as economics and finance; information sciences; physical sciences and engineering; and life and medical sciences. Such books would be published within existing AMS series, until the AMS becomes somewhat established in this area. At that time, an

advisory board would be established to assist in developing these books into a series on Interdisciplinary Mathematics.

Policy on Plagiarism

Plagiarism is an increasing problem for publishers, mostly due to advances in technology, and it may be a good idea for the AMS, as a scientific society, to have a clearly stated policy on plagiarism. The Executive Editor of Mathematical Reviews (MR) presented a proposed policy on plagiarism that could be used by the AMS and other publishers. The Committee discussed the draft and suggested various revisions but could not reach a consensus. *A subcommittee will be appointed to continue working on a plagiarism policy and a revised draft will be considered by CPub at its next meeting.*

The next meeting of the Committee was scheduled for September 11–12, 2009, at the Chicago O'Hare Hilton, Chicago, IL. A review of the Member Journals (Bulletin, Notices, and Abstracts) will be conducted.

*Sergei Gelfand, Publisher
October 22, 2008*

**Committee on the Profession
September 13, 2008
Chicago O'Hare Hilton Hotel**

The Committee on the Profession (CoProf) held its annual meeting on September 13, 2008, at the O'Hare Hilton Hotel in Chicago, IL. Highlights of that meeting are provided below.

Annual review: This year, CoProf's annual review, conducted by a subcommittee, was on the topic of the Society's activities related to professional ethics. In general, the subcommittee felt that both the Committee on Professional Ethics (COPE) and the Committee on Academic Freedom, Tenure and Employment Security (CAFTES) were functioning appropriately. The subcommittee requested that the AMS membership be reminded of these two committees, that the committee consider issues regarding the impact of technology on plagiarism, and that CoProf consider writing a general statement on the ethics of hiring practices. CoProf endorsed the report of the subcommittee, and approved the following recommendations:

- Ask the chair of COPE (Catherine Roberts) to include information on COPE and CAFTES in her upcoming article to appear in the Notices.
- Ask COPE to periodically update its manual with examples to reflect current issues with technology.
- Appoint a subcommittee to consider what issues should be considered in a general statement on the ethics of hiring. These issues will be brought to CoProf next year, and at that time the committee will decide on whether it will make a general statement.

2008 Culture Statement: 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 levels of grant funding. The subcommittee is working on a revision that will be circulated by email for approval by the full committee.

Programs that Make a Difference: In January 2005, Council endorsed CoProf's recommendation to recognize two programs each year that: (1) aim to bring more persons from underrepresented minority 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. This year, the subcommittee requested that they proceed on a different schedule, with a call for nominations sent out in the summer, and the subcommittee to make its decisions by November 1. Subsequently, CoProf will have the opportunity to endorse the subcommittee's decision by email. Five nominations have been received. The two programs that are chosen will be featured in the May 2009 issue of the *Notices* and will be presented on a web site linked to the AMS home page. Please note that although the directors of the programs have been notified, the news will be embargoed until the *Notices* issue has been published.

Prizes: CoProf discussed prizes once again at its September 2008 meeting, and in particular discussed ways in which the AMS might use the spendable income from the Steele fund. The committee recommended doing two things: Increasing the Lifetime award to twice the standard amount (making it a \$10,000 prize) and creating new prizes with the remaining spendable income that is now available. In order to carry out the second action, however, the committee recommends that the Society form a task force in order to consider more carefully the principles by which we seek and create new prizes. The job of the task force would be to consider such principles, taking into account the practical constraints the AMS faces in seeking endowments.

Department Chairs Workshop: CoProf recommended that the chairs of four-year colleges receive specific invitations to the Department Chair's Workshop at the 2009 JMM.

Request for Apology: A member of the AMS (Daniel Waterman, Professor emeritus, Syracuse University) has written to request that the AMS apologize to its black members for a consistent practice in the past of scheduling AMS Sectional meetings at institutions that did not permit African-Americans to attend. CoProf will appoint a subcommittee to investigate this issue, and bring a recommendation back to CoProf next year.

CoProf endorsed several motions and statements that will be sent to Council for action.

- **Advisory statement concerning interviewing at the JMM:** Recently, MAA officers received an email from an MAA member, expressing concern that interviews for employment are sometimes held in hotel rooms or suites at the winter Joint Mathematics Meetings. This practice is now less common than it used to be since the introduction of the unscheduled interview tables in the Employment Center, but we know that it continues to happen. Although we are aware that this can cause uneasiness or anxiety for applicants (especially female applicants), we do not specifically caution either side about this practice. A subcommittee of CoProf wrote the following statement, which has been approved by the entire Committee of the Profession:

“The AMS strongly encourages the use of Employment Center venues for all professional interviews of prospective employees at society meetings. The use of personal hotel rooms is particularly discouraged.”

- **Advisory Board for Employment Services:** The AMS offers four main employment services for the PhD job market:
 - EIMS job ads on the website and in a paper journal
 - Mathjobs.org electronic job application system
 - Job ads in the Notices of the AMS
 - Employment Center in-person interviews at the Joint Mathematics Meetings

Policy issues sometimes arise while trying to make these services best meet the needs of the community. To meet its charge of policy oversight in the area of employment services, CoProf approved a three-person advisory board. The advisory board would consider occasional policy concerns specific to individual services, as well as take a longer view of the needs of the community. The advisory board would report regularly to CoProf about how the employment services of the AMS are meeting those needs. The charge of the Advisory Board for Employment Services appears at the end of this summary.

- **Library Committee charge:** At its spring 2007 meeting, some members of the Committee on Committees remarked that the charges to several committee charges were rather unclear and might be out of date. For the AMS Library Committee charge, CoProf appointed a subcommittee to revise the charge. CoProf approved the following revised charge of the Library Committee, and will bring that to the Council:

“The Library Committee considers the use by mathematicians of all the various resources found in mathematics libraries in Canada and the United States. It periodically collects and maintains authoritative data on those libraries, and it provides advice about the questions to be addressed when library surveys are conducted. It studies and articulates the needs and concerns of mathematicians about their use of both print and electronic information. It monitors problems in libraries and fosters dialog between mathematicians and librarians on issues concerning the dissemination and preservation of research. It supports librarians in their efforts to build and maintain better mathematics libraries and to provide ready access to information.”

- **Exemplary Program Prize charge:** The AMS has received a gift from an anonymous donor that endows this prize and allows for an annual prize amount of \$5,000. CoProf has endorsed this change, and will bring a revised formal description of the prize to Council.
- **Task Force on Prizes:** The committee recommends that the Society form a task force in order to consider more carefully the principles by which we seek and create new prizes. The job of the task force would be to consider such principles, taking into account the practical constraints the AMS faces in seeking endowments.

The Committee selected the Society’s activities Human Rights of mathematicians as the topic of the next year’s annual review. This topic was last reviewed in 2002. CoProf has chosen citations and the impact factor of journals as a topic for next year’s information statement on the culture of mathematics.

CoProf will have a panel at the upcoming Joint Mathematics Meeting in 2009. The panel will consist of several graduate students, postdocs and young faculty, and a graduate advisor, for an audience of undergraduate students. The topic of the panel will be: *What I wish I had known or studied before going to graduate school*. This panel was recommended by the Committee on Meetings and Conferences at its meeting of April 12, 2008.

The Committee on the Profession will hold its next meeting on September 12, 2009 at the Chicago O'Hare Hilton.

*Craig Huneke, Chair
Committee on the Profession*

*Ellen J. Maycock
Associate Executive Director
October 8, 2008*

Advisory Board for Employment Services

General Description

Number of members is three.

Term is three years.

Membership: 3 at-large members, appointed by the President.

The chair is appointed by the President to a one-year term as chair, with the possibility of extension, extending her (his) term on the committee if necessary. The Associate Executive Director for Meetings and Professional Services shall provide administrative and staff support.

1. Principal Activities

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

2. Other Activities

The AMS offers various employment services to aid the hiring of PhD mathematical scientists. The list of the services is likely to change over time. It is useful to have committee members who are knowledgeable about AMS employment services and are recent users of them.

3. Miscellaneous Information

Ordinarily the Committee will not have face-to-face meetings. Committee business may be transacted by mail, email, telephone, fax, and conference call, expenses for all of which may be reimbursed by the Society.

4. Note to the Chair

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

5. Authorization

For approval by the Council on 4 January 2009.

**Washington Office Report
October 27, 2008**

In September, Congress passed a Continuing Budget Resolution (CR) which established funding for most federal agency and program budgets at FY 2008 levels until March 6, 2009. Included in the CR are the budgets for the National Science Foundation (NSF) and the Office of Science (SC) of the Department of Energy.

As you know, the House and Senate each have twelve matching appropriations subcommittees that oversee the discretionary part of the federal budget. To date, the Congress has passed and the President has signed only three of the appropriations bills: Defense, Homeland Security, and Military Construction and Veterans. The NSF budget is determined by the House and Senate Commerce, Justice, Science and Related Agencies (CJS) appropriations subcommittees and the SC budget is determined by the Energy and Water (EW) appropriations subcommittees. The House and Senate CJS subcommittees have each passed a bill that gives the NSF an FY 2009 budget of \$6.854 billion, the same NSF budget level proposed by the Administration for FY 2009, a 13% increase over the FY 2008 NSF budget. The House and Senate EW subcommittees have also passed bills that include budget increases for the SC. The Senate EW committee has given the SC \$4.64 billion while the House EW committee has given the SC \$4.9 billion. The Administration has proposed an FY 2009 SC budget of \$4.72 billion, an 18.8 percent increase over FY 2008. Given the current economic situation, the NSF and SC may receive no or very small increases in March. In any event, these agencies are forced to curtail or discontinue programs and initiatives while working under the CR.

Before the CR was passed, the Coalition for National Science Funding (CNSF) wrote letters to congressional leadership asking that funding for the NSF at the Budget Request level be included in the bill. Over one hundred organizations signed this letter, however Congress did not include additional funding for the NSF in the bill.

In June, a Supplemental Appropriations Budget was approved by the Congress and the President. Most of the funds in this Supplemental budget were to support the ongoing wars in Iraq and Afghanistan. The NSF and SC, however, each received \$62.5 million in this bill. For NSF, \$40 million of the \$62.5 million was directed to the Robert Noyce Scholarship program and \$22.5 million to the Research and Related Activities account.

For the SC, the \$62.5 million is to be used to eliminate all furloughs and reductions in force which are a direct result of budgetary constraints.

Currently, Speaker Nancy Pelosi is pushing for another economic stimulus bill. Recently the Administration has hinted that it might go along with some type of stimulus package and several senators are beginning to embrace the idea. Initially, the desire is for this bill to stimulate job growth, however, pressure from many diverse constituencies to include their interests in the bill is already building. Representatives of organizations advocating for science funding will probably attempt to have this area included in the bill as well. This is not the best way to fund science and could cause science funding to be short-changed in the near term.

On May 2, 2008, the AMS Washington Office hosted a breakfast honoring the Presidential Awardees for Excellence in Mathematics Teaching as part of recognition week activities held in Washington for high school mathematics and science teachers from across the U.S.

The fourteenth Annual CNSF Exhibition was held in the Rayburn House Office Building on June 25, 2008. Anita Benjamin of the Washington Office, organized and directed the event. The Exhibition drew over four hundred people including seven Members of Congress. The AMS sponsored Suncica Canic of the University of Houston. Canic's exhibit "Mathematics and Cardiology: Partners for the Future," illustrated how sophisticated mathematics can be used to improve design of vascular prostheses called stents and stent-grafts used in non-surgical repair of aortic abdominal aneurysm and coronary artery disease.

In August, AMS President-elect George Andrews visited the Washington Office for an orientation on the workings of the Office. He and Sam Rankin visited several congressional offices encouraging increased funding for the NSF.

On September 23, 2008, Doron Levy of the Department of Mathematics and the Center for Scientific Computation and Mathematical Modeling at the University of Maryland delivered the Annual AMS Congressional Lunch Briefing. Professor Levy gave a presentation, "Can Mathematics Cure Leukemia," describing his work on Chronic Myelogenous Leukemia. His talk generated a number of questions from the audience which consisted of congressional staffers, NSF and NIH representatives, and representatives of professional societies.

Sam Rankin served again on the NSF Advisory Committee for the Government Performance and Results Act (GPRA) Performance Assessment. This Committee meets annually to assess the Foundation's overall performance according to the strategic outcome goals in the NSF Strategic Plan for FY 2006-2011. The Committee has the responsibility for assessing the three strategic outcome goals of Discovery, Learning, and Research Infrastructure. Sam Rankin also continues to serve on the Advisory Board for Mathematical Sciences of Worcester Polytechnic Institute (WPI).

The Washington Office continues to be active in several coalitions advocating for science research and education funding. They include the CNSF, the Task Force on the Future of American Innovation, and the Bridging the Sciences Coalition, an organization dedicated to encouraging the National Institutes of Health to fund disciplines, such as mathematics, that can contribute to biomedical research.

The Washington Office remains committed to building a grassroots network and toward this goal has developed a webpage with information about holding meetings in congressional offices in the states and districts. The webpage also contains data about funding, as well as current congressional actions. In August, an email was sent to CSP and the Washington Office Contact list suggesting to the mathematicians on these lists that August was a good time to meet with congressional district and state offices. The grassroots webpage was updated with suggested talking points for these meetings.

Samuel M. Rankin, III
Associate Executive Director
Washington Office

Determining the 2010 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 2010 Dues.

The dues rate for 2009 was increased from the 2008 rate by \$4, to yield dues of \$164/\$122 (high/low). The table on the following page provides the information required under Principle 1. It includes actual results for 2001-2007, projected results for 2008, budgeted results for 2009 and an estimate of 2010 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 2007, the difference had decreased to a positive \$57,000. The difference is expected to be a deficit of \$28,000 in 2008, which is \$106,000 below what was expected when the 2008 dues were established. The difference is budgeted to be a deficit of \$109,000 in 2009, which is \$76,000 below what was expected when 2009 dues were established.

The estimates for 2010 are based upon the assumption that the current upward pressure on costs will continue, which will be felt by the Society primarily in personnel costs, the costs of printing and distributing its paper products, and in travel. A 1% decrease in the rate of cost increases reduces the net direct cost of memberships in 2010 by 14,000. *Bulletin* and *Notices* revenues are assumed to remain at 2009 levels, which is consistent with recent history.

None of the dues scenarios presented in the table below satisfies the requirements of Principle 1. In fact, it would require regular high dues of \$180 to meet the requirements of Principle 1. An increase in dues of \$16, or 9.75%, would not meet the requirements of Principles 2 and 3.

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

Year	Dues Revenue	Net Direct Costs of Memberships	Net
2001	\$1,413	\$844	\$569
2002	1,387	960	427
2003	1,367	1,042	325
2004	1,318	1,106	212
2005	1,345	1,047	298
2006	1,355	1,170	185
2007	1,363	1,306	57
2008 Projection	1,385	1,413	(28)
2009 Budget	1,394	1,503	(109)
2010 Estimates			
no dues increase	1,394	1,526	(132)
\$4 increase	1,428	1,526	(98)
\$8 increase	1,462	1,526	(64)

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. The estimate for 2010 assumes a stable membership and increases in net direct costs due to inflation from the 2008 projection of 7.65% for the two-year period (primarily personnel, printing, mailing and travel costs).

Principles 2 and 3 describe the factors to be taken into consideration for the determination of the amount of a dues increase. Staff considered the economic data related to growth in faculty salaries and general inflation, shown in the chart at the end of this attachment. 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 2007 (the last year of actual data), the cumulative dues increase lags the salary increase by slightly over three years. Similar results are seen if one uses the AAUP salary data, although the lag time and differences in the cumulative increases are about six months less than the results using the AMS survey.

The data on inflation relate to the ability of members and potential members to pay dues from discretionary income. Again, it seems prudent for a membership organization to maintain the cumulative increase in dues in line with general inflation in the absence of any significant financial needs. If one assumes an annual inflation rate of 4.5% for 2008, 4% for 2009 and 3.5% for 2010, and an increase of \$4 in dues for 2010, the cumulative increases for the dues lags CPI (using 1997 as the base year) by 9 percentage points in 2010. 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).

Finally, staff looked at the overall financial health of the Society to determine if there were any additional foreseeable financial needs to raise dues in 2010. While revenue has remained somewhat flat over recent years, the Society has been able to maintain positive net operating income. However, spendable income from the Operations Support Fund will decrease significantly over the next three years, as the base years used in the calculation roll forward and the full effects of the global financial crisis will be felt over this time. Despite global decreases in interest rates by central banks and rescue plans in various stages of approval and implementation across the globe, significant uncertainty remains as to how deep the crisis will go and how long it will last. Given its dependency on foreign sources of oil and other sources of energy, some degree of inflation in the U.S. will continue but many economists believe it will decrease from its year over year high in July 2008 and lessen further in 2009 as overall demand responds to the continuing crisis. It is not clear at this time if the budget for 2010 will result in operating income or a deficit. However, this should have no effect on the dues ultimately established given the principles and process used. It is mentioned so that it is clearly understood other sources of revenues cannot be relied upon to 'make up' for any shortfall in dues revenues in the context of the principles discussed above.

Although not directly related to the dues-setting process, the cash flow needs of the Society are important to consider for a full understanding of its financial health and near-term future needs. Accordingly, the following is provided for information, only. The Society has been in an investing mode since the end of 2005, beginning of 2006, which should come to an end sometime in 2010 with the completion of the implementation of an Association Management Software System (it is assumed this project will go forward and be completed by the end of 2010 insofar as payments are concerned).. The mechanical heating and air conditioning systems in its Rhode Island facilities have been upgraded, the Michigan facilities have been partially

renovated, carpeting replacements in two facilities completed and roof replacements in two facilities should be completed by the end of 2008 (minor in Michigan, substantial in Rhode Island). The purchase and implementation of new software systems for financial and certain business purposes will be completed by the end of 2008, and the selection of and commencement of implementation of Association Management software for the remainder of the Society's member and business functions should occur in early 2009. These have and will continue to require significant amounts of cash-on-hand to fund these internal investments necessary for the Society's future, through at least 2010. The cash needed to fund these planned expenditures will likely come from operating investments, which will lower the working capital ratio. Given the current economic situation, it is not reasonable to expect the cash to come from increased cash inflows from operations and, should the crisis be deep and long before recovery begins, long-term investments will be needed for other purposes. Fortunately, the operating investment portfolio has sufficient liquid, conservatively invested assets to fund these planned additions as well as the Society's annual operating cycle.

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 2010 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, as there are sufficient liquid assets available to fund the Society's expected internal investments as currently expected. It would also be imprudent to increase the size of the increase in membership dues during a financial crisis, as every member will be affected financially to some (negative) degree.

The decision regarding 2010 dues comes down to a balancing act between the provisions of Principle 1 and Principles 2 and 3. Principle 1 precludes holding dues steady for 2010 at the 2009 rate, 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 \$8 increase is in line with inflation assumptions. However, this course of action may not be in the best long-term interests of the Society and its members.

As stated above, other than the provisions of Principle 1 and the as yet unknown effects of the global financial crisis on the Society's operations in 2010, there are no other financial reasons for the Society to raise dues by \$8 for 2010.

Some might consider the effects of the global financial crisis on the Society's members to be of such magnitude as to support the suspension of Principle 1 for setting the dues in 2010. This would logically lead to keeping dues at the 2009 rate for 2010. It is staffs' position that there is insufficient evidence to support this conclusion at the present time. However, principles are established for reasons – of which one is that they are to be followed in good times and in bad. They should be set aside only when it is patently obvious they are no longer working as intended, and new ones should then be established to meet the demands of the changed circumstances. It would be a lovely gesture indeed if dues were held constant for 2010 in this current economic crisis, but that gesture ignores the needs of the Society. The principles were established for use

in setting dues for exactly this time, when the interests of the Society and its members may be in more heightened conflict than usual, so none should be ignored to favor of one party or the other.

The principles endorsed in May 2004 do not address the issue of setting the salary cut-off between regular low and regular high dues. In January 1982, the Council passed a recommendation from the ECBT on dues that contained the following statement:

That the Council establish the division point between lower and higher dues for full dues paying members at a round thousand dollar amount which places about 60% of those persons at the lower level of dues.

Although this recommendation hasn't been carefully followed in recent years, it has not been rescinded by the Council.

As of September 2008, we had a total of 3968 members paying regular low dues and 2540 members paying regular high dues for 2008. That is, 61% were regular low and 39% were regular high. AMS staff would like to recommend an increase in the salary cut-off that maintains this balance of 2008. By applying the estimated inflation rates for 2009 and 2010 to the figure of \$80,000 (the current cut-off), we obtain the figure of \$86,000 for 2010. AMS staff believe that \$86,000 is the appropriate salary cut-off for 2010 regular dues.

*Ellen Maycock, Associate Executive Director
Constance Pass, Chief Financial Officer
October 2008*

Factors for Consideration in Setting Individual Dues Rates for 2010

Academic Year Beginning	Faculty Salaries Data		AMS Annual Survey		Inflation Data		Regular High Dues Rates				Dues Rev.	
	AAUP Reports	Annual Inc. Gips 1-3 combined	Cumulative Increase	Annual Inc.	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	1,414
1997	3.3%	2.7%	2.7%	1.7%	1997	1.7%	1.7%	124	3.3%	121,048	45,000	1,437
1998	3.6%	3.8%	6.6%	3.3%	1998	1.6%	3.3%	128	6.7%	124,679	45,000	1,380
1999	3.7%	3.8%	10.7%	2.7%	1999	2.7%	6.1%	132	10.0%	128,918	55,000	1,384
2000	3.5%	5.0%	16.2%	3.4%	2000	3.4%	9.7%	132	10.0%	128,918	65,000	1,413
2001	3.8%	4.2%	21.1%	1.6%	2001	1.6%	11.4%	136	13.3%	133,559	75,000	1,388
2002	3.0%	3.3%	25.1%	2.4%	2002	2.4%	14.1%	140	16.7%	138,501	75,000	1,369
2003	2.1%	2.0%	27.6%	1.9%	2003	1.9%	16.2%	144	20.0%	143,349	75,000	1,318
2004	2.8%	2.2%	30.4%	3.3%	2004	3.3%	20.0%	148	23.3%	148,796	80,000	1,345
2005	3.1%	4.0%	35.6%	3.4%	2005	3.4%	24.1%	152	26.7%	153,260	80,000	1,355
2006	3.8%	3.5%	40.3%	2.5%	2006	2.5%	27.2%	152	26.7%	156,478	80,000	1,364
2007	3.8%	4.2%	46.2%	4.1%	2007	4.1%	32.4%	156	30.0%	160,860	80,000	1,366
2008				4.5%	2008	4.5%	38.4%	160	33.3%	165,850	80,000	1,394
2009				4.0%	2009	4.0%	43.9%	164	36.7%	172,150	80,000	1,428
2010				3.5%	2010	3.5%	49.0%	164	36.7%	178,690	86,000	1,462
2010				3.5%	2010	3.5%	49.0%	168	40.0%	178,690	86,000	1,462
2010				3.5%	2010	3.5%	49.0%	172	43.3%	178,690	86,000	1,462

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 2008, 2009 and 2010.
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. 2008 dues revenue reflects current projections and 2009 dues revenue is as budgeted. The three scenarios presented for 2010 dues assume a stable paying membership and no change in total dues revenue resulting from the proposed increase in the high-low cutoff.
5. January 2008-September 2008 CPI-U is 4.8%; down from its high of 5.6% in July

Graduate Student Travel Grants to the 2009 Joint Mathematics Meetings

The AMS has received a gift from an anonymous donor of \$25,000 to support the travel of graduate students to the 2009 Joint Mathematics Meeting in Washington, DC. The Membership and Programs Department has put in place the procedures for implementing the program during the fall of 2008.

The following announcement appeared in the November *Notices*:

The AMS, with funding from a private gift, is accepting applications for partial travel support for graduate students attending the Joint Mathematics Meetings in Washington, DC, January 5 - 8, 2009. The awards, in the amount of US\$500, must be matched by travel funds from the student's institution. It is expected that awards will be made sometime in December, 2008.

This program is open to full time graduate students (in good standing) in a mathematical sciences department at a North American institution. A form to be signed by a representative of the department, agreeing to matching funding, will be part of the application package. Applications will be evaluated by a panel of mathematical scientists.

The application form is available on the AMS web site at www.ams.org/employment/student-JMM.html. The deadline for submitting applications is October 27, 2008. All information about the Joint Mathematics Meetings can be found in the Meetings section of the AMS web site, www.ams.org/meetings. This travel grant program is being administered by the AMS Membership & Programs Department, AMS, 201 Charles Street, Providence, RI 02904. You can reach the department at student-JMM@ams.org, or 800-321-4267, ext. 4124, or 401-455-4124.

An ad appears in the same issue of the Notices. The program was announced on the AMS home page on October 1, in Headlines & Deadlines and in Headlines & Deadlines for students. In addition, a mass emailing was sent to mathematics and applied mathematics departments of PhD-granting institutions in early October. The web site for the program is linked to the Joint Mathematics Meetings web site.

We have determined the following schedule for the program this fall. A committee of three, already appointed by the AMS, will receive the applications on October 31. This committee will notify the Membership and Programs Department by November 19 of its decisions, and applicants will be notified by December 1. As of October 29, 2008, the AMS had received 267 applications.

A copy of the application form is included in this attachment.

Ellen J. Maycock
Associate Executive Director
October 29, 2008

1. This application form is found at www.ams.org/employment/student-JMM.html
2. Complete pages 1 and 2 then submit
3. Print page three, have signed by department official. mail to the AMS.



Return on or before **October 27, 2008** to:

Membership and Programs Department
American Mathematical Society
201 Charles Street, Providence, RI 02904-2294

e-mail (for inquiries only): student-JMM@ams.org

2009 JMM TRAVEL GRANT APPLICATION

for graduate students in the mathematical sciences attending the
Joint Mathematics Meeting, Washington, DC, January 5-8, 2009

The American Mathematical Society has received a gift from an anonymous donor to be used to fund travel for graduate students in the mathematical sciences to attend the Joint Mathematics Meetings to be held in Washington, D.C., January 5 – 8, 2009.

The AMS will reimburse one-half of the expenses of travel and room and board, up to \$500.

APPLICANT

First name:

2009)

Middle name:

Last name:

CONTACT INFORMATION

Full Mailing Address (*usable from now until Spring,*

Line one:

Line two:

City:

State:

Zip:

Phone:

E-mail:

EDUCATION

Highest earned degree:

Degree Institution:

Degree Year:

Current institution:

Current Department:

Degree for which you are a candidate:

Year you began your graduate studies
in the mathematical sciences:

Month and year in which you expect
to complete your graduate studies:

Area of study:

The most current version of the program for the Joint Mathematics Meeting is found at
http://www.ams.org/amsmtgs/2100_program.html

Thesis advisor:

List any sessions in which you are speaking or poster session in which you are presenting:

List up to five sessions you plan to attend at the Joint Mathematics Meetings (minimum of two):

1)

2)

3)

4)

5)

In the space provided, explain why attending the Joint Mathematics Meetings will be beneficial to your research. (1500 character limit)

2009 JMM TRAVEL GRANT APPLICATION

ATTN: Colleen Rose, Membership & Programs, AMS

This section should be filled out and signed by the Director of Graduate Studies or Chair and mailed or faxed on or before **October 27, 2008** to:

Mail: ATTN: Colleen Rose
Membership and Programs Department
American Mathematical Society
201 Charles Street
Providence, RI 02904-2294

Fax: 401-331-3842

Applications without this page will not be eligible for consideration.

I confirm that

is a full-time graduate student in good standing in my department.

Director or Chair's Name: _____

Position: _____

Department:

Institution:

Email address: _____

My department will provide funding for one-half of the expenses for this student to attend the Joint Mathematics Meetings in Washington, DC. If this student is awarded an AMS travel grant, the AMS will reimburse one-half (up to \$500.)

Signature

Date

Fellows Program

A Fellows Program for the American Mathematical Society is on the fall 2008 ballot, and the results will be known in time for the ECBT meeting. This attachment has been prepared for consideration in the event that the Fellows Program is passed by the AMS membership. The proposal that appears on the 2008 AMS ballot is included at the end of this attachment.

The AMS Fellows Program as proposed will require a significant amount of detailed work by staff members before it can be launched. Below is a brief description of the work that will need to be done, and a timeline of when it will be accomplished.

Initial list of names:

The program is to be seeded with individuals who have given invited addresses or won AMS prizes, plus 50 people chosen to supplement this list.

- The Gibbs, Colloquium, Einstein and Erdős lecturers, and AMS Invited Addresses at the JMM, Sectional Meetings and Summer Meetings through 1996 can all be accessed internally. We will need to do additional research to determine the invited speakers at Joint International Meetings.
- Winners of AMS Research Prizes can be accessed internally
- We do not maintain lists of invited addresses at ICM (begun in 1897) and ICIAM (begun in 1987). We understand that MR has all the ICM proceedings. There have been 6 ICIAM meetings, and information about these appears online.
- A committee appointed by the President with the advice of the Executive Committee will choose an additional 50 names.

Verifying the names:

We need to confirm who the individuals listed above actually are, and compile current contact information. MR will be able to help us in establishing a process to tackle issues such as name changes over the years. There may be some additional steps where we make some contact for verification purposes. This is a significant task, and we believe it will involve many months of work by a full-time staff member.

Membership determination:

All of the names captured (above) need to be researched against the membership records. Since the designation to the seed pool requires only CURRENT YEAR membership (not current year plus prior year like the ongoing nomination process will) we can imagine having to check membership for people over and over again. We need to have a statement such as: "must be a member for the 2009 year as of this date: 03/01/2009."

The “initial list” criteria involve honors that go back over 100 years. The majority of the research time will be spent in collecting proof that long-ago honorees all over the world are deceased or do not match any membership records of older members. Due to the automatic renewals of Emeritus and Life memberships, we do occasionally have deceased individuals on the membership roles for several years. (This may be an alert that we need to institute more formal tracking of emeritus and life members)

Initial invitation and initiation:

An invitation from the AMS President to become an AMS Fellow will be sent to every individual listed above whose membership has been verified. Invitations will have to be mailed sufficiently ahead of the Joint Mathematics Meetings to allow Fellows to plan to attend the initiation reception. Staff members of the Membership and Programs Department will handle the responses to the invitation to become a Fellow and the invitation to attend the initiation reception. We expect that there will need to be significant follow-up in order to ensure that each nominated individual has received his or her invitation, and that we have received an answer to the invitation. The Membership and Programs Department will also plan the initiation reception in consultation with the AED of Meetings and Professional Services.

Nomination and Election process for the ongoing program:

Application forms or instructions need to be fully developed. A nomination process will need to be designed that will be electronic.

In the proposal, an election process is detailed—voting will be electronic, and a CV and citation will be available to all eligible voters. This electronic review/balloting process will need to be built for the first nomination/election process.

We have a real concern about the election procedure described in the current proposal. There is no way to guarantee confidentiality, and each year 50% of the nominated individuals will not become Fellows. This promises to be embarrassing to a large group of distinguished mathematicians each year. We would like to propose that an alternative procedure be designed, where a small committee of current Fellows makes the determination from the nominations.

Staff and support for program:

Seeding the Fellows program with approximately 1,000 people based solely on our own research will be time consuming. Developing materials and procedures for the first set of enrollments and the first nomination/election process will need meticulous care and focused attention. We will need an additional staff person in the Department of Membership and Programs to work on the Fellows program, beginning in early 2009. During the first year, this staff person will work to identify the individuals who are listed in the various specified categories and will develop the procedures mentioned above. This group of members will need special attention throughout the year, and this staff member will move toward handling the

ongoing nomination and election process as well as managing the Fellows. Care must be taken with the choice of this staff member—he or she must be especially able to deal with the most distinguished members of the AMS. The Fellows program will be overseen by the AED of Meetings and Professional Services.

Timeline:

- January – October 2009:
 - Names verified
 - Procedures determined
- October 2009: committee selects 50 additional names
- November 1, 2009: new Fellows invited
- January, 2010: new Fellows installed at a JMM event
- February 1 – March 31, 2010: nominations for new Fellows
- September 2010: elections held
- November 1, 2010: new Fellows invited
- January, 2011: new Fellows installed at the JMM.

Ellen J. Maycock
Associate Executive Director

Diane Boumenot, Manager,
Membership and Programs Department

October 9, 2008

A Proposal for a Fellows Program of the American Mathematical Society

The Fellows program is created and updated by the Council of the AMS. The program below describes in general terms what a new Fellows program will look like. If approved, some details of the program may be changed by the AMS Council prior to implementation in order to address practical needs. Future Councils can make further changes, keeping in mind the intent of the membership in approving the initial program.

The goals of the Fellows Program are:

- *To create an enlarged class of mathematicians recognized by their peers as distinguished for their contributions to the profession.*
- *To honor not only the extraordinary but also the excellent.*
- *To lift the morale of the profession by providing an honor more accessible than those currently available.*
- *To make mathematicians more competitive for awards, promotion and honors when they are being compared with colleagues from other disciplines.*
- *To support the advancement of more mathematicians in leadership positions in their own institutions and in the broader society.*

I. Program (steady-state)

- A. The Fellows program of the American Mathematical Society recognizes members who have made outstanding contributions to the creation, exposition, advancement, communication, and utilization of mathematics.
- B. The responsibilities of Fellows are:
 - To take part in the election of new Fellows,
 - To present a “public face” of excellence in mathematics, and
 - To advise the President and/or the Council on *public matters* when requested.
- C. All AMS members are eligible to be elected Fellows.
- D. The target number of Fellows will be determined by the AMS Council as a percentage of the number of eligible members.¹ The target percentage will be revisited by the Council at least once every ten years and may be increased or decreased in light of the history of the nomination and election process. The intended size of each year’s class of new Fellows should be set with this target size in mind.

¹ This proposal’s recommendation to Council is 5% of eligible members. At present there are about 30,000 eligible members so the number of Fellows would be about 1,500.

- E. Following an election process (see below), individuals are invited to become Fellows. They may decline and they may also resign as Fellows at any time.
- F. Each year all Fellows are invited to a reception at the AMS annual meeting; and the new Fellows are announced at this reception followed by a press release. New Fellows receive a certificate and their names are listed on the AMS web site. The names of new Fellows are also included in the *Notices*.
- G. If they are not already Fellows, the AMS President and Secretary are made Fellows when they take office.

II. Election Process

- A. New Fellows are elected each year after a nomination process. Eligible voters consist of current Fellows who are also members of the Society. Both the election and the nomination process are carried out under the direction of the Secretary with help from the AMS staff. The procedures for nominating AMS Fellows will be available on the AMS website.
- B. The Election Committee will consist of nine members of the AMS who are also Fellows, each serving a three-year term, and with three new members appointed each year. The AMS president, in consultation with the Executive Committee of the Council, nominates the new members of the Election Committee in November of each year. At the same time, the President nominates a continuing member of the Election Committee to serve as Chair. The President's choices are approved by Council at its January meeting.
- C. The Election Committee accepts nominations for Fellows between February 1 and March 31 each year. Nominations are made by members of the AMS. A member can nominate no more than 4 nominees a year.
- D. To be eligible for nomination to Fellowship, an individual must be an AMS member for the year in which he or she is nominated as well as for the prior year.
- E. A nominator must supply a package with the following information on the nominee:
 - 1. A Curriculum Vitae *of no more than five pages*.
 - 2. A citation of fifty words or less explaining the person's accomplishments.
 - 3. A statement of cause of 500 words or less explaining why the individual meets the criteria of Fellowship.
 - 4. The signatures of the nominator and three additional AMS members who support the nomination, with at least two of these individuals current Fellows.
- F. Any person who appears on the ballot and is not elected a Fellow will remain an active nominee to be considered by the Election Committee for inclusion on the ballot for a further 2 years.
- G. A person can be nominated no more than 3 times in a 5-year period.
- H. Each year the January Council provides a guideline for the number of nominations to appear on the ballot. The Election Committee assembles the ballot from the nominations bearing in mind this guideline, diversity of every kind, and the quality and quantity of the external nominations. The Election Committee has the

discretion to make nominations itself if necessary to fulfill the general goals of the fellowship.

- I. The ballot is available electronically (only) and voting is conducted throughout the month of September of each year. The Curriculum Vitae and citation for each candidate will be available to all eligible voters. Election is by plurality with the top one-half of the candidates elected. In case of a tie, more than one-half of the candidates may be elected.
- J. Those nominees elected are invited by the President to become new Fellows of the AMS as of January 1 of the following year.

III. Initial Implementation

- A. In the initial year of the program, all eligible AMS members who have done one or more of the following are invited to become AMS Fellows.²
 1. Given an invited AMS address (including at joint meetings).
 2. Been awarded an AMS research prize.³
 3. Given an invited address at an International Congress of Mathematicians (ICM) or an International Congress of Industrial and Applied Mathematicians (ICIAM).⁴
- B. An additional 50 Fellows are selected by a committee appointed by the President with the advice of the Executive Committee of the Council. Particular attention will be paid to selecting AMS members recognized for their contributions to education and service to the profession.
- C. For the initial "seed pool" of Fellows there is no length of AMS membership required. Any person who falls into one of the three categories above, and who is an AMS member during the year in which this program is initiated will be invited to be a Fellow.
- D. At least ten (10), but no more than fifty (50), new Fellows are elected each year until the total number of Fellows reaches 95% of the targeted size of the Fellowship.⁵

² The seeding process described in III.A would produce offers of Fellows status to more than 800 current AMS members. The group of invited address speakers also includes approximately 400 additional individuals who are not currently AMS members.

³ These are the Birkhoff, Bôcher, Cole, Conant, Doob, Eisenbud, Fulkerson, Moore, Robbins, Satter, Steele, Veblen, Whiteman, and Weiner prizes.

⁴ An invited address is one given at the invitation of the program committee.

⁵ If 1,000 Fellows are named through the initial seeding, then we estimate that a steady state of 1,600 would be achieved in approximately 10-20 years under the proposed plan.

Review of the AMS Congressional Fellowship Program - by Sam Rankin

The AMS Congressional Fellowship program began in the 2005-2006 academic year. David Weinreich was the first AMS Fellow and spent his year working in the office of Congressman Robert Andrews (D-NJ). The year following his fellowship David worked as a permanent staff member of Representative Bob Etheridge (D-NC). In 2008 David was named Legislative Director for Congressman Etheridge, an influential position in congressional offices.

In 2006-2007, Dan Ullman was awarded the Fellowship and spent his year working for the subcommittee on Research and Science Education of the House Committee on Science and Technology. After finishing his fellowship, Dan returned to George Washington University, where he is a professor of mathematics.

Jeffry Phan was awarded the 2007-2008 AMS Congressional Fellowship and spent his fellowship tenure working for Senator Jeff Bingaman (D-NM). Jeffry is currently working as a permanent staff member in Senator Bingaman's office.

James Rath has been awarded the 2008-2009 AMS Fellowship. Jim will be working in the office of Rep. Ruben Hinojosa (D-TX).

The AMS Congressional Fellowship program is administered through the AAAS Congressional Fellowship program. AMS Fellows take part in an AAAS managed orientation program that is noted as being exceptional. Through this program, AMS Fellows learn about the workings of Congress and are briefed on how to interact with congressional offices for potential placement.

More scientists are finding their way to employment in congressional offices. Many of these scientists participated in the AAAS Congressional Fellowship program. Having scientists and now mathematicians involved in policymaking is very important for our disciplines and for the country. These scientists and mathematicians are in positions in which they can present a point of view that is not readily accessible in most congressional offices, but is a point of view that needs to be factored into many congressional decisions.

I believe the AMS Congressional Fellowship program will not only be good for the discipline, but will also avail to Congress individuals that will be very helpful in formulating U.S. policies.

Statements from David Weinreich, Dan Ullman, and Jeffry Phan giving their perspectives on the value of the AMS Congressional Fellowship program are shown below:

David Weinreich (AMS Congressional Fellow 2005-06):

Most people in America value science and mathematics, but that does not necessarily translate into support for science and mathematics. Similarly, most Members of Congress understand the relevance of, and the need for, scientific information when making public policy, but they do not necessarily avail themselves of it. Furthermore, they may not see the wide-ranging impact of science and particularly mathematics on the work they are doing. The AMS Congressional

Fellowship is a unique opportunity not only to enhance the mathematical thinking that goes into policy making, but to raise awareness of mathematics in the policy-making community.

As a Congressional staffer, both during my fellowship and in my current career as Legislative Director for Congressman Bob Etheridge of North Carolina, I have had many opportunities to influence public policy from a mathematical standpoint. At the same time, I have influenced fellow staff members to look at mathematics as a broad human enterprise that has the potential to impact the daily lives of their constituents.

In sponsoring a fellow, AMS therefore provides a valuable public service by making a mathematician available to a Member of Congress who rarely has a scientific or technical background. The impact of this service goes beyond the fellow and the office he or she serves in, but percolates throughout the legislative arena. Although it may only be a coincidence, it should be noted that the first mathematician in Congress was elected after AMS restarted these fellowships.

At the same time, I would like to think that I have been able to give back to the mathematical community by my direct involvement with the legislative and political process. My perspective on the nexus between mathematics and the political world I hope has influenced our community's ability to more effectively communicate with its representatives in Congress, as well as enhancing the motivation of individuals to get involved with the political process. You can't win the lottery if you don't have a ticket, and you can't affect decision-making if you aren't involved and don't make your voice heard. The AMS Congressional Fellowships give our community the ticket to change the way Congress thinks about mathematics, and hopefully affect Federal support for mathematics in the long term.

Dan Ullman (AMS Congressional Fellow 2006-07):

Dan Ullman provided an editorial on his experience as the 2006-07 AMS Congressional Fellow for the February 2008 *Notices* (provided in its entirety below). For the ECBT meeting he also adds:

“The gist of what I have to say is that it is indeed important for the math community to remain engaged in policy issues. This is true even if one adopts the parochial view that all that matters is getting Congress to increase math spending at NSF and at other agencies that fund mathematics. A more robust stand for the math community to take, I would say, is to ask "How can we mathematicians make the world a better place?" If we approach policy involvement from this viewpoint, the federal funding for mathematics will flow naturally, and for the right reasons. The Congressional Fellowship places a mathematician as a staffer (a "helper", you might say) on Capitol Hill. Spending AMS money in this way is like investing in advertising: It isn't cheap, and you don't get an instant return on your investment. But in the long run, decision-makers learn that mathematics can solve real-world problems and that mathematics therefore has value. To me, that is what makes the Fellowship worth funding.”

February 2008 Notices Editorial:

I had the honor and pleasure of serving as the 2006–2007 AMS Congressional Fellow. I was one of 32 Science Policy Congressional Fellows in a program run by the American Association for the Advancement of Science (AAAS). Each AAAS Fellowship is funded by a different scientific or engineering society. For example, the American Physical Society funds two fellows each year, the American Institute of Physics funds another, the American Nuclear Society two more, and the American Geophysical Union yet another. The AMS funds the lone fellowship for a mathematician. This is money well spent. The fellowship will pay dividends over the long term (like pure mathematics does), as mathematicians become a regular voice in the policy process in our country.

I served my fellowship with the House of Representatives Committee on Science (renamed Committee on Science and Technology in January 2007), working for the Subcommittee on Research (renamed Subcommittee on Research and Science Education in January 2007). This subcommittee has authorization jurisdiction over the National Science Foundation, and the focus of my job was to analyze the NSF, especially education programs there. My fellowship came at an opportune time. Rep. Bart Gordon (D-Tenn), chair of the Committee, introduced a number of bills involving the NSF on January 10, 2007, in the opening days of the 110th Congress. Those bills later became part of the 21st Century Competitiveness Act of 2007, which President Bush signed into law on August 9, 2007, as my fellowship was ending.

Chairman Gordon's legislative agenda for 2007 was in large part to implement the recommendations of an influential National Academies report entitled "Rising Above the Gathering Storm; Energizing and Employing America for a Brighter Economic Future." This report recommended major increases in national investment in science, technology, engineering, and mathematics. The report was adopted by both major political parties as a blueprint for advancing national prosperity, and President Bush's American Competitiveness Initiative picked up on many of the recommendations from the report as well.

The word "competitiveness" is popular on Capitol Hill these days, referring to America's ability to compete with the rapidly advancing third world amid globalization. It is an unfortunately term, in my view. I prefer the word "prosperity", which puts the emphasis on the absolute rather than relative health of our nation.

The 21st Century Competitiveness Act runs several hundred pages. The principal focus in my office was on Title 7, a reauthorization of the National Science Foundation. This Title sets policies, priorities, and budgets for the NSF for the next three fiscal years. Although the NSF is a widely admired agency, supported from all corners, the reauthorization legislation was not without controversy. Almost any word in those hundreds of pages can serve as a flashpoint for passionate disagreement. Settling on an annual rate of NSF funding increase of 11% was not easy.

It is important to understand that such increases are merely authorizations, not appropriations. Government agencies are funded in a two-part process. The first part, authorization, is often done several years at a time, but the budget numbers there are merely upper bounds (in theory) for the final numbers. The second part, appropriation, is an annual process (in theory), but appropriated dollars can be smaller than authorized amounts. We can expect annual political fights to appropriate to the NSF the dollars authorized by the 21st Century Competitiveness Act.

My job with the subcommittee was to support Mr. Gordon's legislative program, particularly in the area of math and science education. This involved meeting with a variety of interested associations, organizing legislative hearings, publishing hearing reports, drafting talking points, writing scripts for committee mark-ups, composing memos supporting various policy positions, providing support for the bills on the House floor, and assisting with the negotiation of a compromise bill in the House-Senate conference.

Not everything in the final bill was implemented just as the Gathering Storm report envisioned. In particular, the Gathering Storm report recommended that "physical sciences, engineering, mathematics, and information sciences" be areas of special emphasis for government investment. But the legislative language to implement this priority got watered down in several stages. The final bill designates for priority treatment at NSF "physical or natural science, technology, engineering, social sciences, or mathematics, or [areas] that enhance competitiveness, innovation, or safety and security in the United States".

In the end, I came away from the fellowship recognizing the vital role that policy plays for mathematics as well as the important role that mathematics plays in setting policy. If mathematics were just an abstruse study of an unreal world, beautiful but disconnected and irrelevant, then there would be no reason for our government to fund it or our children to learn it. It is imperative that the mathematics community impresses upon policy-makers that mathematics is a tool for solving human problems, for improving the human condition, for advancing national prosperity. Only when this is fully appreciated does supporting mathematics become a critical element of our national competitiveness (or rather, prosperity) policy.

Ask yourself why President Bush's FY2007 budget request gave the Division of Mathematical Sciences at NSF a 3.2% increase while the Division of Physics got a 6.6% increase. The answer is that these numbers represented priorities established by policy-makers at that time. Now ask yourself how the mathematics community can influence such priorities. One way is to continue to support the AMS Congressional Fellowship program, so that more people in the business of setting national priorities learn to recognize the value of mathematics and mathematicians.

Jeffrey Phan (AMS Congressional Fellow 2007-08):

The AMS Congressional Fellowship is worthwhile both for the Fellow and the mathematics community at large.

First, it brings mathematics into line with the other disciplines that use fellowships to engage

with Congress and the executive branch. The chemists, material scientists, and physicists have been funding fellowships through various societies for years, not to mention the biologists, medical doctors, and psychologists. These years of engagement are reflected in the number of PhDs on permanent staff. Our presence on the Hill indirectly supports science funding even though few, if any, of us are in a position to directly increase the funding for say, NSF. We do so by affecting the culture of Congress and putting a face on science. In particular, our service is a way for Members to tangibly benefit from "science" and that improves their view of science: a Member likes and values mathematics because she likes and values the work done in her office by her mathematician staffer. (Of all disciplines, this positive shift in perception is probably most needed by mathematics; let's face it, although they may respect it, most people have negative feelings about mathematics.)

This engagement with government also works the other way. As more former fellows return to academia in the years ahead, the mathematics community will have more connections to policy-makers. It will have a better understanding of how to engage with the federal government to push big project ideas. AMS needs to take the long view on this.

Second, the fellowship gives mathematicians an opportunity to contribute to society in a more direct and immediate way than through research. Many graduate students and recent PhDs I talked to find this appealing. But in the AAAS program there are many fellows who are much further along in their academic careers who also chose to be fellows for just this reason. I imagine that there are equally many senior mathematicians who would welcome doing this for one year after serving in academia for a decade or two. We just need to publicize it more and educate the community about what an incredible opportunity this is. Public policy problems aren't math problems, but they are challenging and interesting nonetheless. Besides, mathematicians are supposed to have flexible minds; we certainly bring a different perspective.

I know the lag time between mathematical discoveries and their usefulness to society is a rather contentious issue between the "purists" and the "applied" folks. Both camps have useful viewpoints. Both acknowledge that mathematics should benefit society at some level; the fellowship fits neatly on this common ground.

AMERICAN MATHEMATICAL SOCIETY EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES <i>(and other contiguous meetings)</i> NOVEMBER 21-22, 2008		
MEETING LOCATION: AMS Headquarters www.ams.org/secretary/pvd-local-info.pdf 201 Charles Street, Providence, Rhode Island 800-321-4267 or 401-455-4103 (phone) 401-331-3842 (fax)		HOTEL ACCOMMODATIONS: Providence Marriott www.providencemarriott.com One Orms Street, Providence, Rhode Island 866-807-2171 or 401-272-2400 (phone) 401-273-2686 (fax)
	FRIDAY, NOVEMBER 21	SATURDAY, NOVEMBER 22
MORNING	11:45 – 2:30 Orientation for New ECBT Members (Huneke and Vogtmann) – detailed schedule will be provided to participants separately	8:00 Breakfast <i>Cafeteria</i> 8:00 – 9:00 EC Agenda <i>Hille Conference Room</i> 9:00 – 11:00 ECBT Agenda <i>Cafeteria</i> 11:00 – 11:15 Break 11:15 – 1:00 ECBT Agenda <i>Cafeteria</i>
AFTER-NOON	12:30 – 1:30 Lunch <i>Cafeteria</i> 1:30 – 2:30 Long Range Planning Committee Meeting ¹ <i>Hille Conference Room</i> 3:00 – 4:00 Liaison Committee Meeting ² <i>John Ewing's Office</i>	1:00 – 2:00 Lunch <i>Cafeteria</i> 2:00 – 4:30 BT Agenda <i>Cafeteria</i> 4:30 – 4:45 Break 4:45 – 6:30 BT Closed Executive Session <i>Hille Conference Room</i>
EVENING	4:30 – 5:15 ECBT Reception with Managers <i>Executive Director Department</i> 5:30 – 6:45 ECBT Agenda <i>Cafeteria</i> 7:00 Dinner in honor of John Ewing <i>Cafeteria</i>	7:00 Dinner <i>University Club (business casual attire – no jeans)</i> <i>transportation will be provided</i> <i>219 Benefit Street</i> <i>Providence, RI</i> <i>401-331-3230</i>

¹The members of the Long Range Planning Committee are: Cappell, Charney, Daverman, Ewing, Franks, Friedlander, Glimm (Chair). Andrews and Heiser are also invited to attend.

²The members of the Liaison Committee are: Daverman, Franks, Friedlander, Glimm (Chair). Ewing is also invited to attend.

Minutes
Board of Trustees
American Mathematical Society
October 25, 2008

Members present: John B. Conway, John M. Franks, Eric M. Friedlander (Chair), James G. Glimm, Linda Keen, Donald E. McClure, Karen Vogtmann, and Carol S. Wood.

Others present: The email alias bt-plusatams.org was included in all discussion. The Executive Director and Secretary were included in the discussion.

John Ewing sent information to the Board on Monday, October 20, about the preferred proposal for replacement of the roof on the south wing of the AMS headquarters building in Providence. The summary information and capital request is included as Attachment 1 (memorandum from CFO Pass and Facilities Manager Patty Hickey to Gary Brownell). The supporting information reports on the analysis of needs and on the bidding process. Pursuant to the approved procedures for a meeting by technical means, Treasurer John Franks issued the call for the meeting. The call for the meeting was sent by email to the email alias bt-plusatams.org and the meeting was conducted by email. There is one item on the agenda.

Capital Expenditures – Approval of Specific Purchases.

Based on the initial email from John Ewing, Donald McClure made the following motion.

Motion: The Board of Trustees approves spending up to \$233,279 for South Wing roof replacement of the Providence headquarters, as described in the October 16, 2008 memorandum from Constance Pass and Patty Hickey attached hereto. The amount includes a \$30,000 contingency.

The motion was seconded by John Franks.

Discussion and voting were scheduled to end on Saturday, October 25 at 5:00pm EDT in order to provide the required 3-day advance notice for actions by a meeting by technical means. All members had sent email votes by that time. The motion is passed unanimously.

Minutes prepared by Donald E. McClure
Secretary, Board of Trustee

For approval at November 2008 ECBT meeting

AMERICAN MATHEMATICAL SOCIETY

To: Gary Brownell
From: Patty Hickey, Connie Pass
Date: October 16, 2008
Re: South Wing Roof Replacement

This request is to replace the south wing roof of the Providence facility. It is included in the capital plan and was budgeted at \$200,000.

Roof History

The existing roof was installed in 1983. It is a Cool Top, white 40 mil reinforced CPE membrane with 1" of insulation (R-value 12.6). It was purchased with a 10-year warranty at a cost of approximately \$60,000. It was installed over the original gravel roof from 1974.

Current Conditions

Due to a growing number of leaks and the age of the roof we had all the seams inspected and resealed in 2006. This was intended to minimize the weakest areas of the roof and prolong having to replace it. Last year we experienced a greater number of leaks than in previous year which were due to worn spots in the membrane. We expect this to be an on-going trend until the roof is replaced.

The south wing roof has 19 skylights that were replaced in 1997. These skylights were installed on existing curbs. The flashing was not replaced at that time and we experience leaks at the curbs from water and/or ice build up during the winter months. Several roof drains have been problematic due to this condition as well.

Options Considered

We hired a roofing consultant to assist us with this project due to the complexity of roofing materials and the cost of replacement. Our main considerations were membrane performance, energy efficiency and cost.

The existing Cool Top 40 mil roof is a white reflectant surface with a history of long term performance in New England but it is no longer available. A white (cool) roof with a comparable membrane (60 mil PVC) from Sika Sarnafil (referred to as Sarnafil) was specified for a number of reasons. As to the company, Sarnafil is located in Canton, Massachusetts and has installations throughout our area that have been performing well for 20 years or more. All the manufacturing for this roofing material is done at their

Canton facility and they provide on-site technical assistance and inspections for commercial roof installations. Their product is generally considered the gold standard for PVC membrane roofing material in New England for durability and performance, and they rigorously train the staff of authorized vendors in installation techniques. Some new manufacturers of PVC have entered the market (Firestone in Ohio and GenFlex in Indiana) however our roofing consultant could find no sites with at least 10 years in place. Since we have had the current roof for 26 years and expect similar longevity from this investment, selecting Sarnafil as the manufacture/product line was considered the most prudent course of action.

As to the exact product specifications, Sarnafil does not come in a 40 mil membrane; the thinnest membrane is a 48 mil. The roofing consultant explained that it would be hard to find many 40 mil offerings in today's marketplace from any manufacturer and recommended a 60 mil polyester reinforced membrane because of its puncture resistance and affordability. There is a relatively small difference in price between the 48 mil and the 60 mil material, and given its additional insulating properties (see below) this differential was considered reasonable. Also, 60 mil has become standard for new construction and replacement roofs in the New England area.

The Sarnafil roof carries the Energy Star rating. Its white reflectant membrane keeps the building cooler in the summer, which will continue the current and likely improve the reduction in the amount of electricity consumed by our air conditioning system. The specifications also include a double layer of insulation, installed with overlapping edges to preserve their insulating nature, which together will provide an R-factor of 28.8 (code calls for R20). The seams are hot air welded, rather than glued, which provides a superior seal in preventing water penetration.

The new roof will also be able to withstand winds up to 100 mph (code requirement) and a vapor barrier will be installed over the (cleaned) steel deck so that internal air pressure of the building will not affect the performance of the roof in high winds.

It's important to note that we had a Sarnafil roof installed over the Providence lobby in 2001 and have not experienced any issues. We also investigated photovoltaic options which are becoming more popular but found the high net cost and lack of knowledgeable contractors in our area to be insurmountable issues.

Scope of Work Requested

The scope of work involves tearing off the existing roof membrane and material down to the steel deck. A complete mechanically-attached Sarnafil 60 mil PVC roofing system is to be installed including membrane, two overlapped layers of 2" ISO insulation, Sanavap 10 vapor retarder and flashing. All vent stacks will be fully wrapped with cones at base. This method of wrapping with membrane makes them a part of the roofing system and therefore covered by the full 20-year manufacturer's warranty (all parts & labor). It is not expected that decking will need to be replaced, but we requested bids on this in case there are areas where this is necessary.

A 5-day work week (weather permitting) with a minimum crew of 7 to 10 workers per day is required from start to finish. This is intended to prevent any substantial delays in the completion of the roof which will require 4-5 weeks and would have to be done before the real cold weather arrives.

Bidding Information

The detailed specifications (attached) were sent to five Sarnafil authorized installers (Apollo Roofing, Eagle Cornice, Furey Roofing, Roofing Concepts and Silktown Roofing). A base bid for roof construction with unit pricing on metal deck replacement and walkway installation (to be able to service rooftop machinery) was requested:

Eagle Cornice: Base @ \$203,279 Decking @ \$15/sq ft Walkway @ \$21.50/lin ft
Furey Roofing: Base @ \$268,000 Decking @ \$7/sq ft Walkway @ \$20/lin ft
Apollo Roofing: Base @ \$275,000 Decking @ \$9/sq ft Walkway @ \$20/lin ft

Recommendation

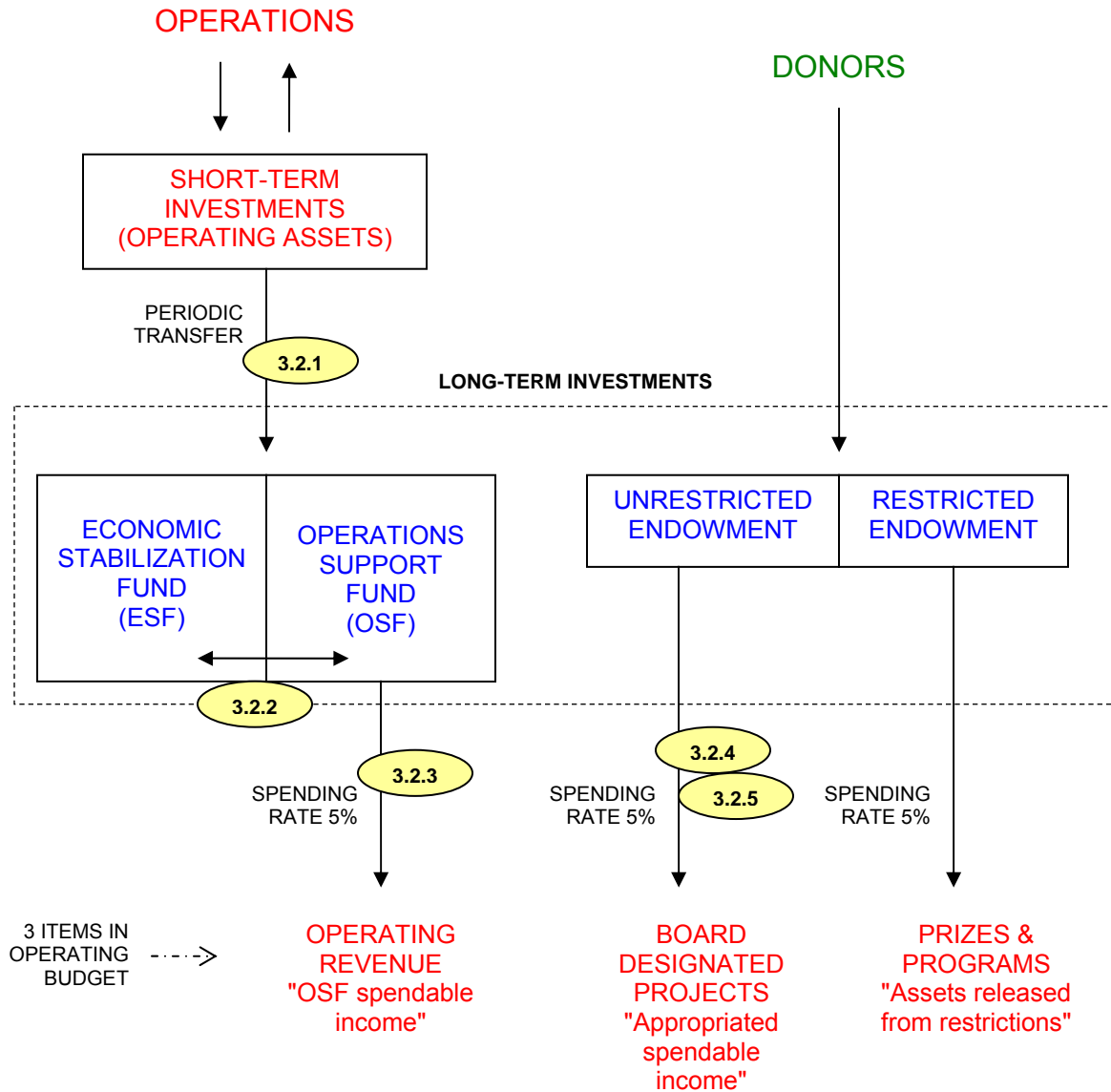
We are recommending Eagle Cornice for the job at \$203,279, plus a contingency fund of \$30,000 (approximately 15%), which will cover the cost of the consultant who will assist staff in monitoring the work of the installation and any unforeseen contingencies (such as decking and walkways). We don't anticipate the unit pricing to be of great significance to the final cost of the project as the metal decking has been thoroughly examined and found to be in very good condition. Any installation of walkways should be minimal (there is some equipment installed on the roof) and walkway access would prevent wear on the membrane.

We were initially concerned with the significant difference between the Eagle Cornice bid and the other two. However, we spoke with several references (some provided by sources other than Eagle Cornice) as well as an owner of the company and feel confident in their ability to handle this job to our satisfaction. They have been in business since 1901 and employ a crew of 40. As the owner explained to us, business is starting to slack off and they want to keep their crew employed, as they trimmed their profit margin on their bid by "\$20,000-\$25,000". The foreman scheduled for our project has been with the company for over 30 years and comes highly recommended by Eagle Cornice customers and Sarnafil for their installations.

Our consultant initially recommended Apollo Roofing, as they are well known in the area and he has worked with them many times in the past and has always found them to be professional. We rejected his recommendations due to the fact that they are the highest bidder and the additional cost could not be justified.

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

<i>Values 12/31/2007:</i>	
ESF =	\$21.3 M
OSF =	\$40.8 M
Unrestricted =	\$6.6 M
Restricted =	\$3.7 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. The list varies over time, and this year a partial history of such appropriations is included at the end of this list.

Here are brief descriptions of the projects for 2009 appropriations.

Discoveries and Breakthroughs (\$30,000)

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. During the coming year, we will evaluate our participation in the program beyond 2009.

Book and Journal Donations (\$10,000)

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. Next year, if we adopt the new scheme to allow members to donate points to purchase AMS books for donation, we will need additional funds to pay for shipment of those materials.

AAAS Mass Media Fellow (\$12,000)

For the past 10 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.

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 governmental expertise themselves. The goal is to build a cadre of knowledgeable mathematicians who can serve the interests of mathematics, either inside or outside government.

MR Database keyboarding (\$35,000)

Mathematical Reviews continues to build its citation database by keyboarding lists of citations. There are both catch-up costs (to backfill lists) and ongoing costs (to keyboard lists of over 400 current journals). The citation database continues to grow and provides an increasingly valuable resource for the Society.

Mathematics Research Communities (\$35,000)

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 last year, however, that having a budget for extras not covered by the NSF grant greatly enriched the program. This 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.

Young Scholars Programs (\$25,000)

While the Epsilon Fund is meant to provide spendable income to support this program in future years, the downturn in the market means that we will continue to supplement the spendable income from Epsilon for a few more years.

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.

High School Outreach (\$25,000)

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. We are not as good, however, at distributing that material. In part, this is because we have not devoted enough attention to distribution. One obvious place to concentrate our effort is high schools. 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. During the coming year, we hope to make a more systematic effort to produce printed materials and distribute them to a larger collection of high schools throughout North America.

Project	2009		2008		2007		2006		2005		2004	
	Budget		Budget		Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
Centenn'l Fellowship Match											50,000	50,000
StiX Font Project											2,754	15,000
Membership Discoveries and Breakthroughs	30,000		30,000	25,000							10,000	10,000
Book/Journal Donations	10,000					10,000						
What's Happening AAAS Mass Media Fellow	12,000		16,000	9,632	10,000	15,000	10,000		5,000	25,000		25,000
AAAS Congressional Fellow	90,000		80,000	84,017	80,000	73,140	78,000		25,000	25,000	8,316	10,000
MR Database - various digitization projects	35,000		70,000	89,120	90,000	80,000	80,000		120,000	120,000		35,000
AMS Research Commun.	35,000		20,000									
Young Scholars	25,000		70,000	50,000	50,000	50,000	50,000		50,000	50,000	50,000	50,000
Mathjobs				10,000	10,000	10,000	10,000		10,000	10,000	10,000	10,000
Project Next	15,000		15,000	15,000	15,000	15,000	15,000		15,000	15,000	15,000	15,000
High School Outreach	25,000											
	277,000		311,000	282,769	285,000	262,630	263,000		234,725	255,000	181,070	220,000

Budget available
275,000 (est)

AMERICAN MATHEMATICAL SOCIETY

To: Investment Committee
From: Gary Brownell, Connie Pass
Subject: October 17, 2008, Meeting Minutes
Date: October 22, 2008
Cc: Karen Mollohan, John Ewing

The Committee met from 1:30 to 3:30 on Friday, October 17, 2008. Committee members attending were John Franks (Chair), Linda Keen, Don McClure, and Henry Laufer (by phone). Staff members attending were Connie Pass, Karen Mollohan, John Ewing, and Gary Brownell. Peter Kuechle, Vice President, of Frontier Capital Management, also attended.

Attached are the following, which the Committee has requested to be included with each agenda:

- Exhibit 1. Investment Committee Charge (note modifications due to monthly rebalancing authorized at May BT meeting.)
- Exhibit 2. Long-Term Investment Policy
- Exhibit 3. Investment related green pages:
 - I-1 AMS Combined Investment Portfolios
 - I-2 Long-Term Investment Portfolio Activity
 - I-3 Investment Manager Performance
 - I-4 Average Annual Returns For 1, 3, 5 And 10 Years.
 - I-5 AMS Intermediate Investment Activity

This report consists of the minutes of the meeting, without the exhibits.

1. Frontier Capital Management Review. Peter Kuechle. Peter reviewed Frontier’s analyst based strategy for its research portfolios. AMS’s account was moved to a research portfolio last year. It is still a large cap growth portfolio that uses Russell 1000 Growth Index as a benchmark. Frontier’s performance has tracked the benchmark closely this year. Peter also reviewed some aspects of the current housing and credit crises, and their effects on the economy and markets. By some measures, stock valuations appear to be below long-term averages.

No action was taken.

2. Performance review. The following are the current portfolio returns (AMS calculated, net) vs. benchmarks for 2005, 2006, 2007, and year-to-date indicated for 2008. The red entries are those whose returns have trailed their benchmark by more than .5%.

	2005	2006	2007	August 2008
Frontier	7.3% vs. 5.3%	5.2% vs. 9.1%	9.6% vs. 11.8%	-10.0% vs. -9.8%
Vanguard 500	4.8% vs. 4.9%	17.2% vs. *%		
Vanguard Total	6.1% vs. 6.3%	15.7% vs. 15.9%	5.6% vs. 5.7%	-10.1% vs. -10.3%
Fidelity Total		1.9% vs. *%	5.1% vs. 5.7%	-10.3% vs. -10.3%
Vanguard REIT	11.9% vs. 12.1%	35.1% vs. 35.9%	-16.5% vs. -16.8%	1.9% vs. 1.9%
Cohen & Steers	14.9% vs. 12.0%	37.1% vs. 34.0%	-19.2% vs. -15.7%	2.4% vs. -1.7%
Fidelity Intl Ind	13.7% vs. 14.0%	26.2% vs. 26.9%	11.2% vs. 11.6%	-17.3% vs. -16.9%
PIMCO	2.9% vs. 2.4%	4.0% vs. 4.3%	9.1% vs. 7.0%	3.1% vs. 2.0%
Total Portfolio	6.4% vs. 6.4% (net)	13.6% vs. 15.7% (net)	5.4% vs. 5.4% (net)	-7.9% vs. -7.9% (net)

* Performance is reported for a partial period.

A note on benchmarks. Frontier’s benchmark is the Russell 1000 Growth Index; Vanguard and Fidelity total market funds use the Wilshire 5000; the REIT funds each use a special REIT index; the Fidelity International uses MSCI EAFE Index; and PIMCO uses the Lehman Brothers Aggregate.

The return for the total portfolio is computed using the average balance during the period and the rates of the Wilshire 5000 for domestic equities, MSCI EAFE for international, MSREIT for REITS, and LB Aggregate for PIMCO.

No action was taken.

3. **Asset allocation.** The Committee should consider whether any rebalancing should be made to conform to the current asset allocation policy (adopted at the November 2006 ECBT meeting and documented on the Investment Committee website <http://www.ams.org/investcom/>). Below is a spreadsheet showing the allocation percentages as of the date indicated. The current allocation policy is:

Equity investments (including foreign equities)	65%-85% of total.
Foreign equities	Up to 25% of equities.
Alternative investments (including emerging markets)	Up to 10% of total.
Fixed income	15%-25% of total.

ASSET ALLOCATION		August 08		
		Balance	%	Policy
Equities				
US Equities	Frontier Capital Management	\$4,970,000		
	Vanguard Total Mkt Fund	28,987,000		
	Fidelity Total Mkt Fund	6,780,000		
	Total domestic stock accounts	<u>40,737,000</u>		
Foreign Equities	Fidelity International Index	<u>9,185,000</u>		
	Total foreign equity accounts	9,185,000	18.4%	<i>Up to 25% of equities</i>
Total Equities		49,922,000	72.4%	65%-85%
Alternative Investments				
REITs	Vanguard REIT Fund	1,757,000		
	Cohen & Steers REIT Fund	1,978,000		
Total Alternative		3,735,000	5.4%	<i>Up to 10%</i>
Fixed Income	PIMCO Total Return	15,331,000	22.2%	<i>15%-25%</i>
TOTAL		<u>\$68,988,000</u>	100.0%	

As of the date indicated, the portfolio conforms to the current allocation policy.

The Investment Committee had a long discussion about current market conditions, performance, etc. Although the portfolio currently conforms to the asset allocation policy, the Committee felt it was prudent to discuss this again. The Committee concluded that there was no need to rebalance the portfolio or change the allocation policy at this time.

No action was taken.

4. Spending Rate and Spendable Income.

Current spending rate – 5%.

Next scheduled review of spending rate by BT – May 2012.

Spendable income over 6 years.

Year	Total return	Spending rate	Spendable income from OSF	Available spendable income from endowments, income restricted.	Available spendable income from endowments, income unrestricted.
2003	23.9%	5%	\$ 668,000	\$ 128,084	\$ 252,637
2004	11.2%	5%	\$ 661,800	\$ 117,794	\$ 255,753
2005	6.4%	5%	\$ 612,500	\$ 119,834	\$ 255,189
2006	13.6%	5%	\$ 637,000	\$ 127,326	\$ 263,011
2007	5.4%	5%	\$ 724,300	\$ 150,395	\$ 283,764
2008B		5%	\$ 1,039,300	\$ 164,919	\$ 311,000
2009B		5%	\$ 1,399,500	\$ 196,996	\$ 317,000

The Committee discussed how the current market downturn would affect spendable income. Because the spendable income is based on a formula that averages three years’ of portfolio valuation, the effect of falling (or rising) markets is “smoothed”, and can be considered in planning and budgeting for future years.

For information.

5. **Hedge Funds.** At the May 2008 meeting, the Committee discussed hedge funds and concluded we should continue our investigation, focusing on equity long/short and equity market neutral. Given the current market turmoil, this does not appear to be the best time to consider investing in traditional hedge funds. This topic was deferred.
6. **Agenda for May meeting.** At the May meeting, the Committee may reconsider hedge funds. At this time, there are no other non-routine matters anticipated.

UPDATE ON THE SOCIETY'S PRINTING REQUIREMENTS

In May of 2007 we updated the Board on the status of the Society's printing abilities with a focus on our capacity for printing in color. At that time we told the Board that we were evaluating the future of our printing operation and setting our course for addressing the projected increase in color printing.

We had hoped to have a recommendation for the Board by the November ECBT; however, the Printing Department manager has just returned from an extended medical leave which has delayed our work in completing our assessment of our future printing needs. This document is intended to summarize our current situation and recap the areas we are assessing as we plan for the future of our printing operation.

As currently configured, the AMS Printing Department is a facility primarily dedicated to printing journal and book pages in black and white. We utilize three Miller presses to produce our journals and books. The age of our Miller presses is of concern. We purchased all three presses second-hand and the equipment is now 32, 27, and 26 years old. Press breakdowns have increased over the past several years and the age of the presses can make it difficult to obtain replacement parts. In many cases parts have to be manufactured, which is expensive and time consuming. Our oldest Miller can no longer work on the lighter weight journal paper and the repairs required to do so represent an unacceptable investment in equipment of this age.

The Millers are not the most efficient presses for the size of our print runs, specifically in the area of plate changeover. Our Millers require a labor intensive, time consuming manual plate change over process. Newer presses utilize an automated plate changeover technology which is significantly less labor intensive. Our printing operation would be well suited to presses with quick plate changeovers, particularly with our book print runs. Since our journal print runs are projected to decline due to the continued migration of subscribers from print to electronic format, the efficiency of plate change will become more of an issue over time.

Color printing is still an issue for us. All of the publications produced at the AMS have color covers. We have a very limited capacity for producing color printing. The only color press we have is a 21-year-old Shinohara single-color press, principally acquired to print journal covers and a small number of 2-color book covers. Since the purchase of the Shinohara, our publishing program has expanded significantly. Twenty (20) new book series have been introduced, many of which have complicated multi-color covers. Since the Shinohara is a 1-color press, printing of multi-color covers requires several passes to create the desired image. We are at the point where we have to send many of our covers to outside printers due to color capacity constraints.

We need to create a plan for dealing with our aging presses as well as a long term plan for addressing color printing. There are many possible options that we will assess including:

- **Replacement of our black and white presses**
We will evaluate the impact of purchasing new or used equipment to replace one or more of our Miller presses. It is likely that if we go in this direction we will seek to purchase used equipment. Currently the used equipment market is quite strong as more and more mid-sized printing companies have closed in recent years.
- **Replacement of our color press with a 4-color press**
There is equipment that could print all our color covers and a good portion of our black and white printing very efficiently. If we went in this direction we would likely retire our oldest Miller

press as well as the Shinohara color press. We need to make sure that this is a cost-effective move. We would likely find a press in the used equipment market that meets our requirements.

- **Outsourcing**

The AMS has a long history of outsourcing printing. We currently outsource the printing of the Notices and Bulletin as well as most of the promotional work. We also outsource any books that are printed in color. As our equipment fails or can no longer efficiently manage our print runs, we could migrate more work to outside vendors.

It is likely that the best solution for effectively managing our printing needs in the foreseeable future will be a blend of modest capital improvements to the existing facility combined with strategic outsourcing. Over the next few months we will conduct an analysis of our options and report to the Board with our findings.

Beth Huber
Associate Executive Director, Publishing
October 2008

Focused Planning for Infrastructure Project Report

After completing the investigation of commercial association management system in 2007 and creating a short list of vendors, a new evaluation team was formed for the software selection process. Based on our investigation, members of the Meetings and Conferences department were added to the team for evaluation of vendor's meetings-related modules. The new evaluation team is composed of:

Tom Blythe	Erin Murray
Janice Clark	Lori Melucci
Cheryl Dwyer	Bill Olson
Tom Freitas	Karen Ouellette
Carol Hill	Penny Pina
Stephen Hultquist	Donna Salter
Gerry Loon	Barbara Veznaian
Cheryl Marino	

The team created a request for proposal (RFP), which contained:

- a description of the Society
- a description of our current technical environment
- a description of our desired technical environment
- a list of vendor questions, including questions about its company and proposed solution
- a functional requirements grid, where the vendor could indicate how their package fulfills our functional requirements in the following areas:
 - General
 - Membership processing
 - Customer management
 - Order processing and distribution
 - Subscription Fulfillment
 - Item file maintenance
 - Inventory management
 - Committee management
 - Customer call center
 - Meeting and Exhibit Management
 - Registration and Housing
 - Abstracts Management
 - Contributions Management

After the RFP was distributed, the vendors were invited to meet for up to two days with AMS staff. These two days could be used at the vendor's discretion to present information about its company and products and to clarify needs identified in the RFP. All three vendors accepted this invitation.

After these meetings, the evaluation team developed a software demonstration script. This script defined specific, key functions performed at the AMS that the staff thought would aid in the evaluation process. Responses to the RFP were received from all three vendors and they were sent a copy of the demonstration script.

After submitting its proposal and receiving the demonstration script, Advanced Solutions requested that we change our process and enter into a Society-paid, pilot project that would evaluate how well their package would fit our needs. The evaluation team decided not to pursue the pilot project and to continue with our evaluation process as it had been originally defined. At that time, Advanced Solutions decided to withdraw from the selection process.

Aptify and TMA Resources each visited the Providence office for two days and demonstrated software for the evaluation team and many members of the Staff Executive Committee. The software demonstrations gave our staff the opportunity to:

- evaluate how well the software perform the specified functions
- evaluate the user-interface of the package
- clarify questions about the vendor's response to the RFP
- determine how well the vendor understood the Society's needs

After the demonstrations, the consensus of the evaluation team was that, while both of the vendors' software packages could meet the Society's needs, TMA Resource's Personify package was the vendor of choice. The team felt the Personify's user interface was superior and that TMA Resources technical staff understood our processes better. In addition, TMA Resources is a larger company with a larger technical and support staff, something the team considered important. In addition, TMA Resources has a larger install base for its software with an active user community.

Reference checks have been performed for both vendors. In addition, for the vendor of choice, AMS staff visited a user site that had installed Personify and also visited TMA Resource's headquarters. The user site selected was the American Society of Civil Engineers (ASCE). ASCE was selected because it has similar business needs (membership, subscription fulfillment, book sales, scientific meetings, and customer service) and has installed a number of the software modules that the Society is considering. Both visits confirmed TMA Resources as the vendor of choice.

Contract review and negotiations are just beginning. When negotiations are complete, a recommendation will be made to the Staff Executive Committee. Once their approval is received, a recommendation will be made to the BT.

Tom Blythe
Chief Information Officer
October 27, 2008

BOARD OF TRUSTEES STANDING COMMITTEES

AGENDA AND BUDGET COMMITTEE

(as of February 1, 2009)

George Andrews, Chair (ex officio - President)

John Conway (ex officio - Chair of BT)

Robert Daverman (ex officio - Secretary)

John Franks (ex officio - Treasurer)

??? (ex officio - Associate Treasurer)

AUDIT COMMITTEE

(as of February 1, 2009)

John Franks, Chair (ex officio - Treasurer)

John Conway (ex officio - Chair of BT)

??? (ex officio – Associate Treasurer)

Carol Wood (ex officio – third-year Trustee/incoming Chair of BT)

INVESTMENT COMMITTEE

(as of February 1, 2009)

John Franks, Chair (ex officio - Treasurer)

Linda Keen (February 1, 2003 - January 31, 2009)

Henry Laufer (February 1, 2007 - January 31, 2010)

??? (ex officio - Associate Treasurer)

LIAISON COMMITTEE

(NOT REALLY A BT COMMITTEE, BUT LISTED HERE FOR CONVENIENCE)

(as of February 1, 2009)

George Andrews, Chair (ex officio - President)

John Conway (ex officio - Chair of BT)

Robert Daverman (ex officio - Secretary)

John Franks (ex officio - Treasurer)

SALARY COMMITTEE

(as of February 1, 2009)

John Franks, Chair (ex officio - Treasurer)

John Conway (ex officio - Chair of BT)

??? (ex officio - Associate Treasurer)

EXECUTIVE COMMITTEE AND BOARD OF TRUSTEES STANDING COMMITTEES

LONG RANGE PLANNING COMMITTEE

(as of February 1, 2009)

George Andrews, Chair (ex officio - President)
Ruth Charney (ex officio - third-year member of EC)
John Conway (ex officio - Chair of BT)
Robert Daverman (ex officio - Secretary)
Craig Huneke (ex officio - second-year member of EC)
Donald McClure (ex officio - Executive Director)
John Franks (ex officio - Treasurer)

ECBT NOMINATING COMMITTEE

(as of February 1, 2009)

Carol Wood, Chair (ex officio - third-year member of BT)
Ruth Charney (ex officio - third-year member of EC)
Richard Wentworth (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 ASSIGNMENTS TO POLICY COMMITTEES

COMMITTEE ON EDUCATION

Ronald Stern (February 1, 2009 - January 31, 2010)

COMMITTEE ON MEETINGS AND CONFERENCES

John Conway (February 1, 2009 - January 31, 2010)

COMMITTEE ON THE PROFESSION

Eric Friedlander (February 1, 2009 - January 31, 2010)

COMMITTEE ON PUBLICATIONS

Carol Wood (February 1, 2009 - January 31, 2010)

COMMITTEE ON SCIENCE POLICY

Karen Vogtmann (February 1, 2009 - January 31, 2009)

TRUSTEE LIAISON ASSIGNMENTS TO DIVISIONS FOR 2009

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

**American Mathematical Society
Committee on Education Meeting
October 31 – November 1, 2008
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, Achieve, Teach for America, The College Board, NRC Board on Higher Education and Workforce, Mathematicians and Education Reform Forum (MER), National Council on Teacher Quality (NCTQ), Council of Graduate Schools, and the National Council of Teachers of Mathematics (NCTM). The meeting was very well attended, with over 75 participants, including 40 chairs and representatives of mathematical sciences department.

Presentation on National Science Foundation - Division of Mathematical Sciences Programs

Hank Warchall (Program Director, NSF-DMS) began his presentation on the NSF's Proactive Recruitment in Introductory Science and Mathematics (PRISM) program by pointing out that it was developed in response to the National Academies report entitled "Rising Above the Gathering Storm," which discussed the need for a comprehensive and coordinated federal effort to bolster U.S. competitiveness in an increasingly globalized economy. The PRISM program is designed to strengthen the nation's scientific competitiveness by increasing the number of well-prepared, successful U.S. undergraduate majors and minors in science and mathematics. The program intends to improve the experience of college freshmen and sophomores in mathematics and statistics to better prepare them for and increase their interest in scientific majors. The program is expected to fund three to eight awards in FY2009 with an award size of \$100,000 to \$600,000 per year.

Dean Evasius (Program Director, NSF-DMS) discussed the NSF's Workforce Program in the Mathematical Sciences, which seeks to increase the number of students that pursue careers in the mathematical sciences and other NSF-supported disciplines. Its primary interest is in activities centered on education through research participation for trainees. The program is particularly interested in improving recruitment and retention, educational breadth and professional development. Some examples of Workforce funded activities over the years include the EDGE Program, Summer Undergraduate Mathematical Sciences Research Institute (SUMSRI) at Miami University and the Park City Mathematics Institute. The Workforce program also administers activities like the Enhancing the Mathematical Sciences Workforce in the 21st Century (EMSW21) program, which includes Vertical Integration of Research and Education in the Mathematical Sciences (VIGRE), Research Training Groups (RTG) and Mentoring Through Critical Transition Points (MCTP); Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences (UBM); and other training activities.

Council of Graduate Schools Initiative on Professional Master's Degrees

Carol Lynch (Senior Scholar, Council of Graduate Schools) began her presentation by giving attendees some background information on the mission of CGS, its priorities and initiatives. She then discussed the Professional Science Master's (PSM) program, which prepares graduates for science careers by combining study in science and mathematics with workforce skills-based coursework in business,

government and non-profit sectors. PSM programs emphasize communication skills, leadership and team building, while providing connections to potential employers through internships. The program also often includes cross disciplinary courses. These Professional Master's degrees are much like a standard master's degree with equivalent credit requirements. However, the majority of program coursework is in graduate-level science and math courses and the workforce skills component is developed in consultation with prospective employers.

Lynch highlighted some examples of PSM programs at institutions across the country – there are currently 120+ PSM programs at 60+ institutions. This effort is a major initiative of the Council of Graduate Schools, which hopes to continue and improve existing PSM programs and encourage the development of new PSM programs.

National Research Council Report: Enhancing the Master's Degree in the Natural Sciences

Peter Henderson (Director, NRC Board on Higher Education and Workforce) presented a new report from the National Research Council entitled "Science Professionals: Master's Education for a Competitive World." The report presents findings and conclusions about the strength of master's education programs in the natural sciences and provides recommendations for enhancing their effectiveness.

Key findings of the report discuss increased demand for master's level science professionals and the appeal of these programs to students who would rather seek career advancement, gain competitive edge or refine skills than pursue a doctoral degree. Recommendations of the report include: federal expansion of the PSM program to other major federal science agencies outside of the NSF; funding by state governments for the creation and expansion of PSM programs in their state and region; and continued support and innovation by higher education institutions for these programs.

National Council of Teachers of Mathematics Focus in High School Mathematics Project

Hank Kepner (President, NCTM/University of Wisconsin-Milwaukee) spoke briefly about NCTM's previous report on PK – Grade 8 Mathematics to illustrate the need for a similar report on high school mathematics. NCTM began this high school mathematics project in early 2007 and expects the final report to be released to the public in September 2009. Kepner gave a general overview of the draft document.

The report will be centered on high school students and what they require for future success -- whether they decide to go on to college or directly into the workforce. Kepner discussed the fact that the report will make recommendations for key elements of a high school mathematics curriculum and will suggest major areas for revision. There will also be a series of follow-up documents to expand on the vision set forth in the report to provide more detailed advice for teachers.

Math for America Outreach Effort in Conjunction with the Park City Mathematics Institute

Jon Schweig (Program Director, Math for America) began his presentation by giving some background information on the mission of Math for America and its two programs in New York City (MfA Fellowship Program and MfA Master Teacher Program). He highlighted some MfA program statistics and discussed some of the opportunities and support provided to program teachers, including National Board Certification, workshops and seminars, and funding to attend mathematical conferences.

MfA is now also focusing on community outreach opportunities. Along with the Park City Mathematics Institute, MfA is sponsoring the New York City-based Professional Development and Outreach (PDO) Group which supports secondary school mathematics teachers through workshops and other activities. The goals of the PDO Group are to expose participants to new mathematics, to give participants substantial time to do rich problems, to give participants time to experience a problem-based pedagogy, and to give participants time and a supportive community in which to reflect on their experiences in relation to their classroom practice.

No Common Denominator: A Report of the National Council on Teacher Quality

Julie Greenberg (Senior Policy Analyst, National Council on Teacher Quality) discussed NCTQ's new report "No Common Denominator: The Preparation of Elementary Teachers in Mathematics by

America's Education Schools." The study for the report evaluated mathematics programs at a sampling of 77 education schools and considered three factors related to coursework: relevance, breadth and depth. Study findings included that few schools cover the math content that teachers need; that state guidance is inadequate; that textbooks are deficient and vary greatly between schools; that there are inadequate entry requirements for aspiring teachers; and that there are inadequate exit tests of teacher knowledge.

The report made recommendations for states, the Association for Mathematics Teacher Educators (AMTE), education schools, higher education institutions and textbook publishers. Some of these recommendations included that states should set higher thresholds for acceptable scores on entrance and exit exams; that states develop stronger course standards and new assessments to test for those standards; and that schools give algebra a higher priority.

K-12 and Higher Education: Working Together to Improve College Readiness

Tracy Halka (Project Manager-Assessment Partnership, Achieve Inc.) gave meeting attendees some background information on Achieve and its mission, as well as some history on their American Diploma Project (ADP). Through the development of benchmarks, the ADP strives to assure that students have acquired the necessary knowledge and skills in English and Mathematics to be successful in college and in the workplace. The ADP Network has grown to include 34 states committed to taking necessary steps to improve student preparation.

In May 2005, leaders of the ADP Network began to explore collaboration on common assessment goals and decided to develop a common end-of-course exam in Algebra II. The exam consists of a common core, which is to be taken by students across all participating states. In addition to the core exam, there are seven optional modules available to states to add content to the core that is important to colleges. There are also ADP Network states developing an Algebra I end-of-course exam.

In an effort to provide states with the tools, training and technical assistance necessary to align high school standards in English and Mathematics to the demands of college and career, Achieve has organized a series of Alignment Institutes. States participating in these institutes send representatives from K-12 state education, higher education and the business community to cross-state work sessions with peers.

Report on the National Mathematics Panel and Forum

Bill McCallum (University of Arizona) reported on the National Math Panel Forum which took place October 6-7, 2008 in Washington, DC. Participants were asked to form teams – 80 were formed, each developed an action plan to address one or more of the recommendations/findings of the National Math Panel Report. This Forum is to be the first in a series, the next scheduled for Spring 2009. McCallum directed attendees to the CBMS website (www.cbmsweb.org) for further information on the Forum and to review the Team Action Plans that were developed.

Panel Discussion: Recruiting Students into Graduate Mathematics

This panel discussion centered on recruiting students into graduate mathematics. Three presenters described their respective institutions' efforts in this endeavor. **George Andrews** (Pennsylvania State University) discussed the Mathematics Advanced Study Semesters (MASS) at Penn State University. The program was started in 1996 and provides a comprehensive, semester-long immersion into the mathematical environment at Penn State for talented, mostly senior, undergraduate students. **Harvey Diamond** (West Virginia University) presented meeting attendees with statistical information to illustrate the need to recruit more students into graduate mathematics. The charts presented revealed the stark number of mathematical sciences majors that are employed in science and engineering fields after graduation. **Phil Kutzko** (University of Iowa) discussed the strategies and resources utilized for the successful graduate education program at the University of Iowa. He also discussed the National Alliance for Doctorial Studies in the Mathematical Sciences, a partnership of the math sciences departments at the University of Iowa, Iowa State University and the University of Northern Iowa, intended to introduce potential graduate students to all three schools.

Other Discussion

Bill McCallum opened the floor to the committee to discuss issues or propose policy recommendations the Committee on Education should consider. General discussion touched on a number of topics including placement and preparedness tests, how best to communicate and gain common ground on issues affecting the mathematical sciences and attendees' own experiences and collaborative work in mathematics education.

COE Activities at Washington, DC Joint Mathematics Meetings, January 2009

Bill McCallum reported that the AMS Committee on Education will host a panel discussion at the Joint Meetings in Washington, DC in January 2009 entitled "The Future of School Mathematics Education." Panelists include Scott Baldrige (Louisiana State University), Daniel Chazan (University of Maryland), Sol Garfunkel (COMAP) and Kristin Umland (University of New Mexico). The panel discussion will be held on Thursday, January 8th from 8:30 am to 10:00 am.

Date of Next Meeting

The committee chose October 23 – 24, 2009 as the date for the next meeting of the AMS Committee on Education. The meeting will be held in Washington, DC.

*Samuel M. Rankin, Associate Executive Director
Washington Office
November 14, 2008*