

AMERICAN MATHEMATICAL SOCIETY

2011–2012 ANNUAL REPORT



Photo: Tom Sito Photography

Eric Friedlander,
University of Southern California
AMS President, 2011–2012

Dear Colleagues,

The past year was an excellent year for the AMS, both in terms of its impact upon the mathematical community and its financial health. The success of these efforts is due to the remarkable dedication of the excellent AMS staff as well as the energetic participation of some AMS members.

Many of you have served the Society by serving on committees concerned with Education, Meetings & Conferences, the Profession, Publications, and Science Policy. Senior staff guide fund-raising, communication with government agencies, outreach beyond the mathematical community, and interactions with other scientific societies.

In this letter, I highlight one activity (out of hundreds): the annual Joint Mathematics Meetings. The 2012 annual meeting in Boston drew over 7,000 people and featured more than 2,700 presentations, which probably makes this the largest mathematics meeting in history. The meeting was a resounding success; the Meetings Department even persuaded January weather in Boston to be cooperative. For those of us seeking to ensure a vibrant culture of renewal and innovation, the presence of more than 2,000 students was gratifying.

I also recognize one person who has contributed so much to the success of the AMS in recent years. Professor Robert Daverman, AMS Secretary since 1999, will retire in early 2013 from his role as the “positive force behind the curtain” following many years of successfully guiding much of the Society’s efforts.

I invite you to read further for more about the Society’s programs and services.

Sincerely,

Eric Friedlander
AMS President, 2011-2012





The American Mathematical Society was founded in 1888 to further the interests of mathematics research and scholarship, and serves the national and international community through its meetings, publications, advocacy, and other programs.

The Society's offices in Providence, Ann Arbor, and Washington, DC employ 210 people. There are over 30,000 individual members and 570 institutions worldwide that benefit from membership in the Society.

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American Mathematical Society
Headquarters
201 Charles Street
Providence, RI 02904-2294 USA

Tel.: 401.455.4000
Fax: 401.331.3842
Email: ams@ams.org



Mathematical Reviews
416 Fourth Street
Ann Arbor, MI 48103-4820 USA

Tel.: 734.996.5250
Fax: 734.996.2916
Email: mathrev@ams.org



American Mathematical Society
Government Relations
1527 Eighteenth Street, N.W.
Washington, DC 20036 USA

Tel.: 202.588.1100
Fax: 202.588.1853
Email: amsdc@ams.org



American Mathematical Society

Maintaining Excellence in Mathematical Sciences Research

Advancing the Mathematics Profession

Supporting Mathematics Education at All Levels

Fostering Awareness and Appreciation of Mathematics



Photo by John Abramowski, Brown University

Donald E. McClure,
AMS Executive Director

I am pleased to report that the AMS remains healthy, vibrant, and relevant, despite the difficult economic times, evolution of technologies, and challenges of the profession and associations. The stability, successes, and advances of the Society are due in large part to four factors: AMS leaders and volunteers, AMS members, a well-structured and efficient operation, and the diversified sources of revenue that support the Society's varied programs and services. All played a crucial role in 2011 to help the AMS fulfill its goals.

Service by Volunteers and Members

AMS leaders and volunteers—both elected and appointed—offer their commitment, expertise, thoughtfulness, and time (traveling, meeting, writing). Their service is critical and is a solid foundation on which the administration and staff are able to implement the Society's many and varied programs. Great appreciation must be given to those who have organized AMS meetings, reviewed book proposals and manuscripts, advocated for federal funding or research, reported on proposals and meetings, studied mathematics curricula, inspired the AMS Grad Student Blog, suggested solutions to problems affecting membership and employment, solicited nominations for Programs That Make a Difference, shaped the AMS book publishing program, co-created the *Who Wants to Be a Mathematician* game, and mentored participants in the

Mathematics Research Communities and the department chairs at workshops.

Mathematicians worldwide joined and renewed membership in the AMS, showing that they value being part of—and supporting—the mathematics profession. They attended AMS sectional and international meetings and the 2012 Joint Mathematics Meetings (JMM) in Boston, which drew an all-time record attendance of 7,199 to more than 2,700 scheduled talks, 64 Special Sessions, and social events. Certainly among the highlights of the meeting were the Gibbs Lecture by Brad Efron and Colloquium Lectures by Edward Frenkel. AMS members and other friends also made generous donations to the AMS to support programs and services. Among those in the AMS community are the members who have renewed as Life Members, and Graduate Students in the mathematical sciences, whom the AMS reaches out to during their critical transition from being a student to the early years of professional employment.

Through the operations of AMS headquarters in Providence, RI, Mathematical Reviews in Ann Arbor, MI, and the Washington DC office, and supported by revenue from a variety of sources (MathSciNet, membership dues, publications, meetings, grants, donations, and investments), the Society was able to initiate, sustain, and adapt programs and services for mathematicians in all stages of their careers.

Highlights of 2011 Activities

2011 was a very busy year for the Society in all of its principal areas of activity. I shall highlight a number of specific accomplishments in publishing, professional

2012 Joint Mathematics Meetings in Boston, MA. (Photos by E. David Luria.)





programs and services, meetings, and advocacy for the mathematics community.

Serving the Community

The AMS is placing a very high priority on the support of early-career mathematicians. 2011 marked the launch of the AMS-Simons Travel Grants for recent doctorates. This program is funded by a three-year grant from the Simons Foundation. The main selection criteria for the competitive program are the applicant's record of research accomplishments and potential for future research contributions. Sixty two-year awards were made in the first year.

"Thank you very much! I am honored and delighted to hear that I will be receiving one of the AMS-Simons Travel Grants."

"I am eagerly looking forward to the start of the award as it would enable me to attend more conferences and more efficiently collaborate with colleagues in different geographical locations."



At the brunch for Graduate Student Travel Grant recipients.

Another great program, introduced four years ago, awards travel grants for graduate students to attend JMM and AMS Sectional Meetings. At the 2012 JMM 100 grants were made possible by the generosity of an anonymous donor. In 2011 the program was extended

to include travel grants for AMS Sectional Meetings, 100 for fall sectional meetings and 100 for spring sectional meetings. Starting in 2011 the donor now makes it possible for the AMS to award 300 travel grants each year for advanced students in the mathematical sciences.

Another successful AMS program for early-career mathematicians is the Mathematics Research Communities (MRC). Three one-week summer sessions in the 2011 program served about 120 advanced graduate students and recent Ph.D.s. The NSF grant began in 2008 and continues in 2012 and 2013, fostering collaborations



among early-career mathematicians. One objective of the program is to foster formation of research communities that will be sustained over the years. In 2011-2012, we were able to offer additional support for communities established in 2008, 2009, and 2010 to meet again and renew collaboration. The response to this offer was terrific, with 39 MRC participants funded to travel and a total of 60 MRC participants and organizers involved in collaborations in groups of two to ten.

"I have never been to a research conference like this. I feel I accomplished a lot more research and collaboration here than at any other conference I have been to."

Several projects were begun in 2011 to enhance existing programs and services. *Assistantships and Graduate Fellowships*, long valued in book form, is becoming an online searchable database, allowing undergraduates to search and compare graduate programs across the U.S. The Annual Survey data has expanded its reporting and added a wealth of supplementary data on the web that go beyond the published reports in *Notices of the AMS*.

The popular MathJobs.org job employment application service was combined with the JMM Employment Center registration. The Employment Center is the in-person interviewing service that takes place at JMM every year. About 470 hiring institutions now use MathJobs.org, and about 100 of those also interviewed applicants at the Joint Meetings in 2011 and 2012.

The individual membership program for graduate students was strengthened in 2011 through the guidance of a volunteer Graduate Student Working Group. Many graduate students receive the benefits of AMS membership at no cost to them individually if their institution is an institutional member of the AMS. At the Council meeting in January 2012, a new program of AMS Student Chapters received final approval. We expect to launch a pilot program of student chapters later this year.

Publications

There were several advances in the AMS Publishing program in 2011. In response to the needs of the academic library community, the *Contemporary Mathematics* series was





offered as an electronic subscription product for 2012. In addition, about 500 previously published *Contemporary Mathematics* volumes were digitized and packaged as an electronic bundle for research libraries. Many hundreds of the 3,000 books on the AMS “backlist” became available as Google eBooks. The AMS, in cooperation with SIAM and Design Science, continued to support the development of MathJax, a really wonderful software resource for publishing mathematics on the web. The staff of Mathematical Reviews continue to play a central role in the development and refinement of MathJax.

AMS is providing free access to *MathSciNet* to this virtual library for 2012 so that the university can use those funds to help rebuild their physical building.

The AMS book program paid special attention in 2011 to the publication of books for mathematics students at all levels and for their teachers. Together with MSRI and with partial support of a grant MSRI had received from the Templeton Foundation, the AMS published five new titles in the *Mathematical Circles Library* series. These books address a variety of audiences, from parents of five-to-seven-year-old children who want to show their children the beauty of mathematics, to middle and high-school students interested in mathematics and in attending Mathematical Circles, and to organizers of such circles and high-school math teachers who are looking for new approaches in explaining their



Math Reviews in Ann Arbor, MI.

Mathematical Reviews (MR) added 98,593 new items and 88,000 reviews to the MR database. The staff at MR continue to develop new online production tools that make it possible to keep up with the rapid growth in the mathematical sciences literature; between

publication year 2000 and 2009, the number of journal articles published in all of the journals that MR follows increased by 37 percent.

The AMS supports a number of programs designed to make its research publications available and affordable to international mathematics communities. For many years, the Society has participated in the electronic delivery service of the International Centre for Theoretical Physics (ICTP) in Trieste, Italy. The ICTP service provides research journals for scientists in developing countries. In 2011,



the AMS also participated in the Libraries Without Borders project to provide free access to AMS journals and *MathSciNet* to a library in Haiti that was just opened this year. We expanded our National Mathematical Reviews Program to provide access to *MathSciNet* to five new schools in Cambodia, Vietnam, and Africa at deeply discounted prices. The October earthquake in eastern Turkey destroyed the library of one of our subscribing institutions and they needed to set up an electronic “virtual” library so that their faculty and students could keep up with their research and studies while they rebuild. The



The AMS created a new position of Web Editor in 2011. The editor, **Beth Ayer**, is working to engage the mathematics community and other important constituencies (librarians, authors, and mass media) in making www.ams.org a polished and substantive Internet publication promoting the Society’s mission.



Photo by Ismail Cetinkaya.

Library of Van Yuzuncu Yil University, destroyed by an earthquake.



Public Awareness and Advocacy for Mathematics

The AMS Washington DC Office does many things in the area of advocacy for mathematics and science more broadly, and serves as the liaison with the AMS Committees on Education and Science Policy. The AMS hosted a Congressional Briefing on Capitol Hill in early December 2011, at which **Suncica Canic** of the University of Houston (photo below) presented “Mathematics: Leading the Way for New Options in the Treatment of Coronary Artery Disease.” **George Andrews**, AMS Past President, presented testimony to the House Appropriations Commerce, Justice, Science, and Related Agencies Subcommittee, on the National Science Foundation FY2012 Budget Request.

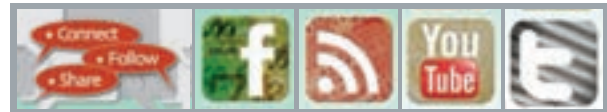


The AMS 2011-2012 Congressional Fellow, **Richard Yamada**, is serving in the Office of Senator John Boozman (R-AR). The annual AMS Department Chairs Workshop, held at JMM 2012, had the largest attendance ever, with sixty chairs participating.

Reaching young mathematicians in the pipeline is an important goal of the *Who Wants to Be a Mathematician* contest for talented high-school students, developed by AMS Public Awareness Officer **Mike Breen** and volunteer **William Butterworth** of DePaul University. The third national game was held at JMM 2012. Rhode Island **Governor Lincoln Chafee** attended the regional contest held in Providence on Pi Day 2011. The game is a highlight of many other events including the annual AAAS meeting, the Arnold Ross Lecture, and the annual SACNAS conference.



2012 national contest winner Shyam Narayanan.



The AMS Public Awareness Office expanded its programs to promote awareness of mathematics among several target populations, and led the effort to increase the AMS presence on Facebook, LinkedIn, Twitter, and YouTube, the primary social networks to communicate with and engage our several thousand followers worldwide.



Notably in 2011, the AMS established a Development Office. Director **Robin Marek** embarked on both short-term and long-term plans to get to know the mathematical community, many of the Society’s most loyal donors, and potential supporters of AMS programs and services. She was and will continue to be another important voice of the Society.

Though not without challenges facing all professional societies, the Society continued to fulfill its mission, maintaining excellence in mathematical sciences research, advancing the mathematics profession, supporting mathematics education at all levels, and fostering awareness and appreciation of mathematics. In 2013 the AMS will celebrate a milestone—the 125th anniversary of its founding in 1888.

2011 Financial Review

In 2011, the AMS experienced a net operating margin (excess of operating revenue over operating expenses) of approximately US\$2.7 million. This positive net margin was offset by losses on long-term investments and an actuarial change to the calculation of the post-retirement benefit obligation, creating a loss of \$612,000 in the total net assets of the AMS for 2011.

When reviewing the financial results of the AMS, it is important to note that the majority of the financial support for its membership and professional programs is derived from several sources: dues income and contributions; the margin from the publication programs; and a board-designated endowment fund named the Operations Support Fund (OSF), which in 2011 provided \$1,645,100. The OSF is a fund that has grown throughout the years through net income from the operations of the AMS as well as investment gains. Together these sources support the Society’s membership and professional programs and services, such as *MathJobs*, *Notices of the AMS*, and fellowships.



Statement of Activities

The AMS Statement of Activities identifies the direct revenues and expenses for the major AMS programs and services, including Mathematical Reviews, Journals, Books, Meetings, Grants, Prizes and Awards, Governance, and Member and Professional Services. The other expense categories on the statement are overhead, and they include Publications Indirect, Customer Services, Warehousing and Distribution, Other Publications-Related Expense, Member and Professional Services Indirect, and General and Administrative. The overhead expense activities are part of the true cost of each of the major programs.

The net operating margin for the AMS was expected to be much smaller than \$2.7 million for 2011, because expenses were expected to grow by approximately 3% while revenue growth remained relatively flat. However, expenses overall decreased by about 3%. The reasons for this decline are associated with internal and external influences. Internally, there was only a slight increase in personnel costs (less than 1%), because management has controlled wage and benefit costs; approximately 10.25 full-time equivalent positions were held open by management; and benefit plans experienced smaller increases than expected due to careful management of the plans over the past few years.

Postage and printing paper expenses were lower in 2011 due to both internal and external influences. Postage costs were lower than they have been in more than 10 years, because of the use of email rather than mail for conducting business, the industry-wide increase in electronic subscriptions, and planned changes in shipping vendors. The amount spent on printing paper was the lowest it has been since 2006, due to a lower-than-average number of books published, lower journal page counts, and the gradual change from paper to electronic journal subscriptions.

The reduction in expenses from 2010 to 2011 was also related to deferrals of prepaid expenses and a book inventory adjustment. During 2011, Publications staff worked on future year publications to a greater extent than in prior years, because the publications departments were staffed to publish 108 books as compared to the 95 actually

AMERICAN MATHEMATICAL SOCIETY Statements of Activities Years ended December 31, 2011 and 2010

	2011	2010
Changes in unrestricted net assets:		
Operating revenue, including net assets released from restrictions:		
<i>Mathematical Reviews</i>	\$ 10,735,499	10,307,693
Journals	4,822,189	4,716,428
Books	3,982,668	4,093,467
Dues, services, and outreach	3,688,175	3,885,074
Investment appropriated for spending	1,674,100	1,480,151
Other publications-related revenue	450,928	372,322
Grants, prizes and awards	1,083,719	1,101,874
Meetings	1,034,109	1,143,373
Short-term investment income	270,132	626,227
Other	47,853	60,299
Total operating revenue	27,789,372	27,786,908
Operating expenses:		
<i>Mathematical Reviews</i>	6,807,854	6,855,152
Journals	1,421,642	1,523,701
Books	3,395,094	3,791,325
Publications indirect	1,062,353	904,832
Customer services, warehousing and distribution	1,313,110	1,363,163
Other publications-related expense	192,610	216,322
Membership, services and outreach	3,842,817	4,116,641
Grants, prizes and awards	1,300,955	1,198,463
Meetings	950,212	1,181,320
Governance	432,498	428,949
Member and professional services indirect	714,527	569,596
General and administrative	3,593,104	3,752,580
Other	60,302	75,839
Total operating expenses	25,087,078	25,977,883
Excess of operating revenue over operating expenses	2,702,294	1,809,025
Investment returns less investment returns available for spending	(1,874,771)	7,493,555
Post-retirement benefit-related changes other than net periodic cost	(1,102,350)	(119,765)
Change in unrestricted net assets	(274,827)	9,182,815

NB: All figures are in U.S. Dollars



AMERICAN MATHEMATICAL SOCIETY
Statements of Activities (Continued)
Years ended December 31, 2011 and 2010

	2011	2010
Changes in temporarily restricted net assets:		
Contributions	\$ 172,731	271,547
Investment returns less investment returns appropriated for spending	(19,603)	1,322,495
Net assets released from restrictions	(607,763)	(732,496)
Change in temporarily restricted net assets	(454,635)	861,546
Change in permanently restricted net assets:		
Contributions	117,390	114,475
Change in permanently restricted net assets	117,390	114,475
Change in net assets	(612,072)	10,158,836
Net assets, beginning of year	84,107,054	73,948,218
Net assets, end of year	\$ 83,494,982	84,107,054

published. The reduction in the number of books published meant that staff worked on other projects, such as future journal issues, so departmental expenses incurred for these projects were deferred to future years. These deferrals, combined with a book inventory adjustment, are the major reasons for the large decrease in Journals and Books expenses shown in the Statement of Activities. The Meetings program direct expenses declined from 2010 to 2011 due primarily to a decrease in space charges and conference fees for the 2011 JMM, as the meeting was held in a less expensive venue. General and Administrative expenses decreased, because of a decrease in staffing in one administrative department.

As a result of market pressures, publications revenues continued to have little growth. Even though the AMS did not publish 108 books as budgeted, the revenues from books exceeded budget by \$216,000, due to strong backlist sales, particularly from monographs. *MathSciNet* revenues exceeded budget as well, because of an increase in the number of consortia subscribers. Offsetting positive growth in other revenues, the income from the operating portfolio was \$356,000 below 2010 levels due to the poor performance of the mutual funds in the portfolio.

The majority of the Society's publishing revenues come from international sources. For example, 67% of *MathSciNet* sales revenues are international. The European Union debt crisis has affected our customers in Europe, where 20% of AMS publishing sales occur; some consortia customers in Europe struggled to maintain their *MathSciNet* subscriptions in 2011. However, the majority of European customers have continued with their subscriptions, so the European recession has not had a significant effect on the AMS finances. In the U.S., the downward pressure on subscription prices for academic publishers is increasing as university libraries reduce their budgets. The AMS continues to experience subscription attrition, but, for the moment, this is counteracted by subscription price increases and additions of consortia subscribers.



■ Global access to *MathSciNet*



The Balance Sheets

The AMS had a healthy balance sheet as of December 31, 2011 with a ratio of assets to liabilities of nearly 5 to 1. Cash and cash equivalents increased from 2010 to 2011 because of the positive operating margin. Short-term investments decreased during the year, primarily because \$2,000,000 was transferred to the long-term portfolio; the long-term investments increased by approximately \$1,800,000 because of the transfer from the short-term investments, partially offset by losses on the investments. The largest increase on the liability portion of the balance sheet was a \$1.2 million increase in the post-retirement benefit obligation associated with actuarial changes made to the post-retirement plan for AMS staff. The actuarial changes have little effect on the financial health of the organization. The AMS sets aside funding for the benefit obligation within its long-term investment portfolio as part of its Economic Stabilization Fund (ESF), and this amount was increased to ensure that the retirement funds will be available for AMS staff retirees in the future.

Summary Financial Information

The Statements of Activities and Balance Sheets are from the audited annual financial statements of the Society, and the Statement of Invested Funds is from the internal financial records of the Society. Any AMS member may request a copy of the Society's audited financial statements from its Providence office. The complete 2011 Treasurer's Report can be found in the *Notices of the American Mathematical Society*.

American Mathematical Society Balance Sheets

December 31, 2011 and 2010

Assets	2011	2010
Cash and cash equivalents	\$ 1,753,474	\$ 1,084,237
Certificates of deposit	2,064,000	2,090,000
Short-term investments	11,675,319	13,807,241
Accounts receivable, net allowances of \$344,066 and \$347,279 in 2011 and 2010, respectively	470,880	853,254
Deferred republication costs	765,162	632,570
Completed books	1,453,931	1,328,076
Prepaid expenses and deposits	1,677,164	1,256,912
Land, buildings and equipment, net	4,828,711	5,031,887
Long-term investments	81,186,072	79,406,346
Total assets	<u>\$105,874,713</u>	<u>\$105,490,523</u>
 Liabilities and Net Assets		
Liabilities:		
Accounts payable and accrued expenses	\$ 3,128,241	\$ 2,960,535
Accrued study leave pay	741,400	829,582
Deferred revenue	12,515,534	12,822,888
Post-retirement benefit obligation	5,994,557	4,770,464
Total liabilities	<u>22,379,732</u>	<u>21,383,469</u>
 Net assets:		
Unrestricted		
Undesignated	1,739,111	4,146,972
Designated	71,018,071	68,885,038
	<u>72,757,182</u>	<u>73,032,010</u>
Temporarily restricted	5,753,285	6,207,920
Permanently restricted	4,984,514	4,867,124
Total net assets	<u>83,494,981</u>	<u>84,107,054</u>
Total liabilities and net assets	<u>\$105,874,713</u>	<u>\$105,490,523</u>



American Mathematical Society Statement of Invested Funds
As of December 31, 2011 and 2010

Income Restricted:		12/31/11	12/31/10
Research Prize Funds	Original Gift	Total Value	Total Value
Steele	145,009	552,719	579,538
Birkhoff	50,112	69,424	72,792
Veblen	29,773	36,824	38,611
Wiener	29,773	36,824	38,611
Bôcher	32,557	37,409	39,224
Conant	9,477	36,862	38,650
Cole Number Theory	33,063	38,136	39,462
Cole Algebra	33,063	38,136	39,462
Satter	43,212	55,091	57,764
Doob	45,000	45,572	47,783
Robbins	41,250	42,408	44,466
Eisenbud	40,000	40,000	41,611
Other Prize and Award Funds			
Morgan	25,000	40,114	42,061
Albert Whiteman	93,618	95,893	100,546
Arnold Ross Lectures	70,000	71,401	74,865
Trijitzinsky	196,030	444,400	465,962
C.V. Newsom	100,000	206,799	216,834
Centennial	56,100	106,033	111,178
Menger	97,250	100,473	105,348
Ky Fan (China)	366,757	366,757	371,133
2011 Addition	10,000	10,000	
Epsilon	1,652,259	1,698,148	1,669,024
Einstein Lecture	100,000	102,836	107,826
Exemplary Program	100,000	102,207	107,166
Mathematical Art	20,000	20,441	21,433
Total (Income Restricted)	3,419,303	4,394,907	4,471,351
Income Unrestricted:			
Endowment	100,310	681,420	715,176
Morita	100,000	122,449	128,521
Henderson	548,223	3,651,371	3,832,423
Schoenfeld/Mitchell	573,447	692,284	726,610
Laha	189,309	232,581	244,114
Ritt	51,347	217,543	228,330
Moore	2,575	20,506	21,523
Total (Income Unrestricted)	1,565,211	5,618,155	5,896,697
Total Endowment Funds	4,984,514	10,013,061	10,368,047
Board-Restricted Funds:			
Journal Archive Fund		920,784	873,003
Young Scholars		614,004	642,864
Economic Stabilization Fund		24,430,891	23,732,898
Operations Support Fund		45,052,391	43,636,272
Total Board-Restricted Funds		71,018,071	68,885,038
Total All Funds		81,031,132	79,253,085



2011-2012 Centennial Fellow Andrew Toms.
Photo courtesy Purdue Department of Mathematics.



Mathematical Art Exhibition Prizes were awarded at the 2012 Joint Mathematics Meetings: First Place Award (US\$500) was awarded to Sylvie Donmoyer for "Still Life with Magic Square". The award "for aesthetically pleasing works that combine mathematics and art" was established in 2008 through an endowment provided to the AMS by an anonymous donor who wishes to acknowledge those whose works demonstrate the beauty and elegance of mathematics expressed in a visual art form.



AMS Prize Winners



Ivo M. Babuška
2012 Leroy P. Steele Prize for Lifetime Achievement

Babuška is among the foremost numerical analysts of all time and a unique leader in applied mathematics. His many contributions have had a lasting impact on mathematics, engineering, science, and industry.



William Thurston
2012 Leroy P. Steele Prize for Seminal Contribution to Research

Thurston was awarded the Steele Prize for his contributions to low dimensional topology, and in particular for a series of highly original papers that revolutionized 3-manifold theory.



William McCallum
2012 Award for Distinguished Public Service

McCallum has many significant accomplishments; most recently, he was one member of the three-person writing team selected by the Council of Chief State School Officers and the National Governors Association to orchestrate and execute the production of the Common Core State Mathematics Standards.



Persi Diaconis
2012 Levi L. Conant Prize winner

Diaconis graduated from New York's City College in 1971 and earned a Ph.D. in mathematical statistics from Harvard in 1974. He has taught at Stanford, Cornell, and Harvard. He concludes his response to winning this prize with a "promise to keep at it."



Joseph Warren Dauben
2012 Albert Leon Whiteman Memorial Prize

Dauben is Distinguished Professor of History and the History of Science at Herbert H. Lehman College and a member of the Ph.D. Program in History at the Graduate Center of the City University of New York. Dauben calls the history of mathematics "a living history" and encourages fellow mathematicians "not just to remember the past, but to use it."



John Pardon
2012 Frank and Brennie Morgan Prize for Outstanding Research in Mathematics by an Undergraduate Student

Pardon has been named the recipient of the 2012 Morgan Prize for solving a problem on distortion of knots posed in 1983 by Mikhail Gromov.



Bjorn Engquist
2012 George David Birkhoff Prize in Applied Mathematics

Engquist was born in Stockholm, Sweden, in 1945. He was awarded the Birkhoff Prize for his contributions to a wide range of powerful computational methods over more than three decades.



Dana Mackenzie
2012 Joint Policy Board for Mathematics Communications Award

Mackenzie has produced a remarkably broad and deep body of writing for experts and nonexperts alike. Through his work, he reveals, celebrates, and illustrates the excitement and vitality of learning, using, and discovering excellent mathematics.



Alexander S. Merkurjev
2012 Frank Nelson Cole Prize in Algebra

Merkurjev's unique style combines strength, depth, clarity, and elegance, and his ideas have had broad influence on algebraists over the last three decades.



Michael Aschbacher
2012 Leroy P. Steele Prize for Mathematical Exposition

Aschbacher is the Shaler Arthur Hanisch Professor of Mathematics at Caltech, and his research focuses on the finite simple groups.



Steve Smith
2012 Leroy P. Steele Prize for Mathematical Exposition

Smith is Professor Emeritus of Mathematics at the University of Illinois at Chicago. In addition to the book cited for this joint Steele Prize, he has also published *The Classification of Quasithin Groups* with Michael Aschbacher, *Classifying Spaces of Sporadic Groups* with Dave Benson, and most recently, *Subgroup Complexes*.



Richard Lyons
2012 Leroy P. Steele Prize for Mathematical Exposition

Lyons earned his Ph.D. under the supervision of John G. Thompson at the University of Chicago. After a J. Willard Gibbs Instructorship at Yale, he joined the Rutgers faculty and now serves in his fortieth year.



Ronald Solomon
2012 Leroy P. Steele Prize for Mathematical Exposition

Solomon got his love of words from his mother and his love of math from his high school teacher, Blossom Backal. Among other awards and accomplishments, Ron earned an Ohio State Distinguished Teaching Award in 1997 and the Levi L. Conant Prize of the AMS in 2006.



Dear Friends and Colleagues,

Every year through their philanthropy, our contributing members and friends demonstrate their passion for mathematics. They actively partner with the American Mathematical Society to advance mathematical research and scholarship globally and locally. Their generosity propels our mission and strengthens our ability to serve the interests of mathematicians everywhere.

In 2011, many people contributed to the AMS for the very first time. Other members and friends decided to renew or increase a commitment that they have made over the course of many years. Some gifts were directed toward immediate priorities, while others helped to build endowed funds that support long-term goals. In all of these cases, our donors chose to invest in something that is important to them.

Their return on investment is tangible and real. It appears in every sectional meeting, every conference, each peer-reviewed publication, and all of the membership benefits that are part of the mission and work of the American Mathematical Society.

To everyone whose name appears on these pages—including those who have chosen to remain anonymous—I want to say thank you! Your resolve to make a difference through your giving is working. It is having a positive impact that will be felt this year and into the future. We at the AMS appreciate and are grateful for your enduring commitment.

Donald E. McClure

Executive Director



The AMS honored the Center for Women in Mathematics at Smith College and the Department of Mathematics at North Carolina State University for their Programs That Make a Difference. Photos courtesy of Smith College (top) and North Carolina State University (bottom).



The Math Center at the University of Arizona received the 2011 AMS Award for an Exemplary Program or Achievement in a Mathematics Department.



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Members of the Thomas S. Fiske Society uphold the future of mathematics by including the American Mathematical Society in their estate plans. The following Fiske Society members have created a personal legacy in support of the mathematical sciences by naming the AMS in their will, retirement plan, or other gift planning vehicle.

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Beloved family members, friends, and colleagues can be remembered with a tribute gift during their lifetime (i.e., in honor of) or when their life has ended (i.e., in memory of). Such gifts are an expression of respect and goodwill that greatly benefit the mathematics community. The AMS is pleased to recognize our 2011 tribute donors and the people they have remembered.

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The individuals and businesses listed below made one or more gifts to the AMS in 2011. On behalf of all our members, the AMS extends a sincere thanks to everyone who chose to support mathematics and the AMS during the past year. Donors who have contributed \$1,000 or more in one year are acknowledged on the AMS Wall of Honor at the Society's Headquarters.

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"I've realized how much more I enjoy math; I've learned different aspects of math that I didn't know before and I want to continue on in math and use it in my career."

— participant at All Girls/All Math, a 2011 Epsilon grant-funded program

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“Each successive semester seems more shaky financially than the last. With this help, however, I am confident in my ability to pay for college. I hope that [the AMS] will continue to offer such wonderful opportunities as these to other students, as they could make a whole world of difference.”

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— Graduate student, 2012 JMM Travel Grant recipient

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“Offering a simple ‘thank you’ for your gift never quite feels like it is enough for me, because what you have done is help me to extend [my] life goal as a mathematician. I hope one day I can help others like you [have done].”

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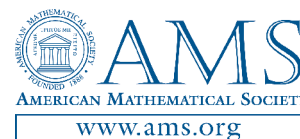


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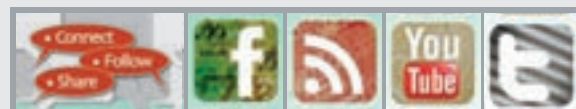
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