

# **2013 ANNUAL REPORT**





David A. Vogan, Jr. Massachusetts Institute of Technology AMS President, 2013–2014

Dear Colleagues,

Being president of the American Mathematical Society is a remarkable experience. From the staff in Providence, Ann Arbor, and Washington, to the dedicated volunteers who participate in AMS governance and in editing its books and journals, to the people I encounter at the Society's international, national, and sectional meetings, I have seen a true community working constantly for mathematics and for mathematicians.

These pages will give you a chance to experience for yourself the Society's efforts in the past year and to get a sense of the volunteers and staff behind these efforts. Whether it's the annual Joint Mathematics Meetings—which have been held for over a century—or our new Student Chapters—which began just last year—the AMS is in the business of helping mathematicians in all aspects and phases of their careers.

In this report you'll see the results of people connecting in various ways, for the Society is also about building and supporting connections. This is only fitting, because mathematics itself is often about making connections: about understanding that two apparently unrelated things may make the most sense when they are seen together.

The AMS Bylaws impose on the president a single requirement: to give a retiring presidential address. Early next year my successor, Robert Bryant of Duke University, the former director of the Mathematical Sciences Research Institute, will assume the presidency, so that I can devote full attention to preparing such an address. It has been a pleasure to begin working with Robert this year; I have the highest confidence in his ability to lead the AMS.

I invite you to read further and learn about our accomplishments that took place in the past year; better yet, to see where you can participate in the year to come!

Sincerely,

David A. Ubgein f.

David A. Vogan, Jr. AMS President, 2013-2014



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 204 people. There are nearly 30,000 individual members and 580 institutions worldwide that benefit from membership in the Society.

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Maintaining Excellence in Mathematical Sciences Research Advancing the Mathematics Profession Supporting Mathematics Education at All Levels Fostering Awareness and Appreciation of Mathematics





Donald E. McClure AMS Executive Director

Throughout 2013 the AMS celebrated its 125th anniversary, starting with a Gala at the Joint Mathematics Meetings in San Diego and culminating in an Open House at AMS headquarters in November. We continue celebrating the connections and collaborations that are integral to the mission of the Society and to our work as mathematicians.

The AMS remains flexible, robust, financially healthy, and very active in serving the mathematics community, thanks to the efforts of our members, volunteers and staff.



#### **Facts & Figures**

- 450 mathematicians are volunteer leaders and committee members
- 15,000+ volunteers review publications for Math Reviews
- 200 staff members in RI, DC and MI provide day-today membership, program and publishing services
- 11 mathematicians at various stages of their careers volunteer to write for the Feature Column and AMS Blogs
- 18 mathematicians serve as Editor and Associate Editors of *Notices of the AMS*
- 4 Associate Secretaries organize the scientific program for 8 AMS Sectional meetings each year
- The nearly 30,000 AMS members worldwide are actively involved in the Society in some way

# **Current Issues**

The Society continues to address major issues affecting the mathematics community. Prominent issues in 2013 included education policy, steps taken by the mathematics community to advance mathematics education in the early college years, the public perception of mathematics, government support of basic research in science and mathematics, public access to the research outputs from government-sponsored research, the shifting landscape for the business of scholarly publishing, and the rapid growth of online education.

In July, the President's Council of Advisors on Science and Technology (PCAST) invited Mark Green, Chair of the AMS Board of Trustees, and Eric Friedlander, Immediate Past President, to deliver presentations to a public meeting of PCAST at the National Academy of Sciences. Mark and Eric described initiatives of members of the mathematics community to improve the experience of students from mathematics-intensive disciplines in the math courses they must master in the early college years. The presentations were very well received. Mark and Eric are both among a group of six leaders of an initiative known as TPSE Math—Transforming Post-Secondary Education in Mathematics.

At the Joint Mathematics Meetings in Baltimore, the Committee on Education and Committee on Science Policy organized a panel on The Public Face of Mathematics. The goal of the panel was to help inform the audience of strategies for members of the mathematics community to become more successful at getting their communications such as op-ed articles about mathematics published in mass media. Members of the panel included U.S. Congressman Jerry McNerney (California, 9th District), Steven Strogatz (mathematician, author, and frequent contributor to the *New York Times*), and Keith Devlin (the Math Guy on NPR's *Weekend Edition*).

Members of the AMS also became more active in communication with members of the U.S. Congress. We expect this to be an ongoing activity coordinated by the Society's Washington Office. It is an important activity because of the increased politicization of topics which should be immune from interference by politicians. Foremost among these topics was an attempt by the House of Representatives to eliminate some disciplines from research support by the National Science Foundation and to impose onerous requirements on the time-honored peer review process of NSF. As a major part of its annual meeting in Washington, the Committee on Science Policy has included visits by its members to offices of their senators and representatives to advocate for the strong support of science.

# **REPORT OF THE AMS**



Open access continues to be a major issue for scholarly publishing. Briefly, the debate about open access publishing is concerned with different approaches to making research articles freely available to everyone. The AMS started discussions in September 2012 about a proposal for establishing two new open access journals. The discussions culminated in April 2013, when the Council approved an experiment to launch *Proceedings of the American Mathematical Society, Series B*, and *Transactions of the American Mathematical Society, Series B*, to begin publication in 2014. A benefit for the entire mathematics community is that the AMS is able to publish more of the expanding research literature at no cost to libraries or readers.

# **Publications**



The AMS appointed Robert M. Harington as Associate Executive Director, Publishing, in 2013. He is driving strategic growth and management of the AMS publishing program for books, journals and electronic products.

New in 2013 was the introduction of two new gold open access research journals, *Proceedings of the AMS, Series B*, and *Transactions of the AMS, Series B*. These journals serve as separate and distinct companions to the subscription journals *Proceedings of the AMS* and *Transactions of the AMS*. Each of the new journals is electronic-only and freely available online. In order to assure the high editorial standard of each new journal, they share common editorial boards and submission procedures with their companion journals.

"The way to tackle stability and even growth for the future health of an academic society is to diversify its offerings to the community.... Are there examples of societies that are saying to themselves, 'let's invest in publishing innovation to help us fulfill our mission more effectively'?" – Robert Harington



Other notable advances in 2013 include enhanced references for journals (author's bibliography is combined with data from MathSciNet to provide more complete and standardized bibliographic information and links to journal and author pages); Mobile pairing (users can "pair" their various web browsing devices—smartphones, tablets, laptops, desktops—with an institu-

tion's network to access its subscription to MathSciNet and other AMS electronic products); Altmetric (a tool allowing authors, researchers, readers, librarians, and publishers to track and measure online attention of selected scholarly works); and new eBook products.

"Users can "pair" their various web browsing devices—smartphones, tablets, laptops, desktops—with an institution's network to access its subscription to MathSciNet and other AMS electronic products." – Robert Harington

AMS, one of the founders of the MathJax Consortium, became managing partner of the MathJax Consortium in 2013. In this role the AMS handles the administrative affairs of the MathJax project, which develops a state-ofthe-art, open source, JavaScript platform for display of mathematics.

# **Meetings & Conferences**



AMS meetings are thriving. The 2013 Joint Mathematics Meetings (JMM) in San Diego drew more than 6,100 mathematicians, including many students, who contributed to seventy nine special sessions. JMM 2014 drew nearly 6,500. Eight Sectional Meetings were held in 2013 with a total attendance of 3,100.





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Three new AMS blogs were launched in 2013 as a way to connect with mathematicians, students and the general public.

**Blog on Math Blogs** - Brie Finegold (Rincon Research) and Evelyn Lamb (University of Utah)

e-Mentoring Network in the Mathematical Sciences - Ricardo Cortez (Tulane University) and Dagan Karp (Harvey Mudd College)

**Visual Insight** - John Baez (U.C. Riverside and the Centre for Quantum Technologies in Singapore)

Individuals from around the world follow and share on AMS.org, AMS Blogs, Facebook, Twitter, Google+ and YouTube.



**Karen Saxe**, 2013-14 AMS-AAAS Congressional Fellow, took a position in the office of Senator Al Franken (D-MN).



Anna Haensch, 2013 AMS-AAAS Mass Media Fellow, spent 10 weeks working at National Public Radio and contributed to the JMM 2014 Blog.



Xinwen Zhu, Northwestern University, 2013-14 AMS Centennial Fellow, is using his award to pursue his research and collaborations at Columbia University and UC Berkeley.



The Mathematics Research Communities (MRC) Program, supported by an NSF grant, builds social and collaborative networks to inspire and sustain mathematicians just beginning their research. It is now in its seventh year and has provided a remarkable opportunity for 650 early-career mathematicians.



"I feel very lucky to have had the opportunity as a young researcher to participate in this MRC program. It is a great way to network, think about new research problems not entirely connected to your dissertation topic, and spend a week in a beautiful setting with people who are passionate about math." – MRC participant

# **AMS Student Chapters**

The AMS Student Chapters program was launched to serve the interests and needs of graduate students in the mathematical sciences. The pilot program introduced in 2012 grew to 24 chapters as of the end of 2013. The program is open to all graduate departments and



provides direct support to help groups of students become engaged in mathematical research.

"The Chapters promote connections and I encourage students and their faculty alike to engage with each other." – Donald McClure

# **Travel Grants**

Three-hundred graduate students traveled to the JMM and AMS sectional meetings in 2013 thanks to an anonymous donor, and 120 early-career mathematicians collaborated in all parts of the world with help from AMS-Simons Foundation travel grants.

# **Philanthropic Support**

D. Andrew Beal increased to US\$1 million the fund for the prize for the solution to the Beal Conjecture, a number theory problem. The fund is being held by the AMS until it is awarded, and the spendable income from investment of the prize money is used to fund the annual Erdős Memorial Lecture and other activities of the Society that benefit early-career mathematicians.

Kenneth I. and Mary Lou Gross created an endowed fund in honor of their daughters Laura and Karen that supports the Award for Impact on the Teaching and Learning of Mathematics, established by the AMS Committee on Education in 2013. The Award will be given annually to a mathematician (or group of mathematicians) who has made significant contributions of lasting value to mathematics education.

The AMS lost a very special friend, Paul J. Sally, Jr., on December 30, 2013. He was a University of Chicago mathematician best known for his tireless commitment to improving mathematics education, and was very active in the AMS, serving for example on the Board of Trustees, the Committee on Science Policy, and the Council. An endowment created by Sally provides part of the funding for the Arnold Ross Lectures that the AMS sponsors each year. He was honored to learn shortly before his passing that he was to be the first recipient of the AMS Award for Impact on the Teaching and Learning of Mathematics.

The generosity of an anonymous donor continues to support travel grants for graduate students at JMM, AMS sectional meetings, and the Mathematical Art Exhibition awards. Monetary prizes and travel expenses for contestants in the national Who Wants to Be a Mathematician game are supported by another philanthropist who also wishes to remain anonymous.

The AMS thanks *all* who donate to the AMS in any amount; the generosity of many helps support a range of programs and services that enable the Society to fulfill its mission: maintaining excellence in mathematical sciences research, advancing the mathematics profession, supporting education at all levels, and fostering awareness and appreciation of mathematics.

# **Moving Forward**

AMS Activity Groups and Community Forums underway now provide a focused forum for members interested in exploring a targeted area of mathematics. Members of the communities are using electronic communications to exchange information and current research trends, which support collaborations, mentoring and working relationships among AMS members in research subareas. Any member may propose a new Activity Group, and by doing so, agrees to serve as Moderator.



Photo by Becky Kirkland

Carla Savage, North Carolina State University, began her service as Secretary of the AMS in 2013, succeeding Robert J. Daverman. She is organizing and coordinating the Council and its committees; serving as ex officio member of the Council, the Executive Committee, the Agenda and Budget Committee, the Liaison Committee, the Long Range Planning Committee, the Committee on Meetings and Conferences, the

Committee on the Profession, and the Committee on Publications; and overseeing, together with the Associate Secretaries, the scientific program of all Society meetings.

"The Society provides an infrastructure that helps mathematicians do their jobs: high-quality journals and books, conferences to present results and exchange ideas, Math Reviews and MathSciNet, early-career programs, awards and prizes, advocacy for the profession. We all benefit in some way." - Carla Savage

The Society continues to move forward in enhancing and developing programs to enable connections and collaborations among mathematicians at all levels. We invite the community to participate and provide feedback on the Arnold Ross Lectures and Who Wants to be a Mathematician games for high school students; Find a Graduate Program and Feature Column for undergraduate students; AMS Graduate Student Chapters and travel grants for graduate students; MathJobs, Mathematics Research Communities and blogs for early-career mathematicians; Notices of the AMS, Washington DC Office Congressional Visits and other advocacy activities, publications, and many other programs and services for all.

# 2013 Financial Review

The American Mathematical Society experienced a gain of \$1.2 million in net operating income in 2013. With these operating results, the Society has experienced a positive net income for 23 years. In addition, the Society's unrestricted net assets increased by \$17.8 million, primarily due to a 22.5% return on the long-term investments.

The Society experienced a decrease in publishing revenues of approximately \$440,000 between 2012 and 2013, because of a 25% decline in the number of books published. In addition, the Society ended the publication of the printed version of the Mathematical Reviews database, which decreased subscription sales by 5%. Although revenues declined in 2013, growth is expected in future years due to new sources of revenues, such as electronic publishing products. The following chart shows the sources of revenues from the Society's operations:



## 2013 Operating Revenues of \$28,307,913

Expenses increased between 2012 and 2013 by about \$800,000 or 3%. Contracted services expense, travel costs, and equipment costs were the major contributors to the increase in expenses. Personnel costs rose by only 1% due to a reduction in force in the second half of 2012. The Society







has maintained good cost controls for many years, ensuring a stable net operating income for more than two decades.

The following are the Society's 2013 Balance Sheets, Statement of Activities, and a listing of the Society's endowment and other funds:

# AMERICAN MATHEMATICAL SOCIETY

## **Balance Sheets**

	December 31,				
	2013		2012		
Assets					
Cash and short term investments	\$ 16,108,273	\$	15,869,582		
Accounts receivables, inventory, prepaid expenses	3,729,701		4,640,527		
Land, buildings and equipment, net	5,127,278		5,367,801		
Long-term investments	115,196,217		93,748,205		
Total assets	\$ 140,161,469	\$	119,626,115		
Liabilities and Net Assets					
Liabilities:					
Accounts payable and accrued expenses	\$ 4,691,504	\$	4,063,690		
Deferred revenue	11,671,731		12,376,468		
Postretirement benefit obligation	6,108,330		6,656,993		
Total liabilities	22,471,565		23,097,151		
Net assets:					
Unrestricted:					
Undesignated	1,448,012		2,261,743		
Designated	101,007,256		82,388,405		
	102,455,268		84,650,148		
Temporarily restricted	9,968,645		6,782,825		
Permanently restricted	5,265,991		5,095,991		
Total net assets	117,689,904		96,528,964		
Total liabilities and net assets	\$ 140,161,469	\$	119,626,115		



# AMERICAN MATHEMATICAL SOCIETY Statements of Activities

		Years Ended December 31,		
		2013		2012
Changes in unrestricted net assets:				
Operating revenue, including net assets released from restrictions:				
Mathematical Reviews \$	5	10,868,077	\$	11,087,637
Journals		5,062,348		4,829,242
Books		3,623,632		4,023,584
Dues, services, and outreach		3,839,958		3,696,895
Investment returns appropriated for spending		1,459,970		1,772,400
Other publications-related revenue		636,881		419,591
Grants, prizes and awards		1,233,313		1,171,264
Meetings		1,253,181		1,229,138
Short-term investment income		262,762		460,062
Other		67,791		54,202
Total operating revenue		28,307,913		28,744,015
Operating expenses:				
Mathematical Reviews		7 075 759		7 055 203
Journals		1 415 180		1,426,643
Books		3 220 413		3 421 212
Publications indirect		1,168,463		1,138,659
Customer services, warehousing and distribution		1.567.644		1.227.921
Other publications-related expense		194,186		204.347
Membership, services and outreach		4 016 715		3 727 374
Grants prizes and awards		1 504 294		1 329 423
Meetings		1,304,274		1,329,423
Governance		553 239		472 553
Member and professional services indirect		740 306		704 489
General and administrative		4 317 500		4 364 657
Other		4,517,500		4,504,057 83,619
Ouler		00,021	· -	05,017
Total operating expenses		27,094,342		26,287,059
Excess of operating revenue over operating expenses		1,213,571		2,456,956
Other changes in unrestricted net assets, including investment return	1	16,591,549		9,436,009
Change in unrestricted net assets		17,805,120		11,892,965
Change in temporarily restricted net assets		3,185,820		1,029,540
Change in permanently restricted net assets		170,000		111,477
Change in net assets		21,160,940		13,033,982
Net assets, beginning of year		96,528,964		83,494,982
Net assets, end of year \$	5	117,689,904	\$	96,528,964



Endowment Funds and the Beal Prize 12/31/2013						
Income Restricted Endowment:	<b>Original Gift</b>					
<b>Research Prize Funds</b>	at 12/31/2013	<b>Total Value</b>				
Steele	145,511	731,899				
Birkhoff	50,132	91,886				
Veblen	58,599	81,317				
Wiener	29,773	48,728				
Bocher	32,557	49,502				
Conant	9,477	48,778				
Cole Number Theory	33,563	50,989				
Cole Algebra	33,563	50,989				
Satter	49,720	80,258				
Doob Prize	45,000	60,303				
Robbins Prize	41,250	56.117				
Eisenbud Prize	40.000	52,556				
Other Prize and Award Funds	10,000	01,000				
Morgan	25.000	53.082				
Albert Whiteman	93,618	126,892				
Arnold Ross Lectures	70,000	94 483				
Trijitzinsky	196,030	588,060				
C.V. Newsom	100,000	273.651				
Centennial	61 183	145 968				
Menger	97 250	132 953				
Ky Fan (China)	366 757	470.061				
Impact on Teaching & Learning	21 510	26 754				
Ensilon	1 873 067	2 496 505				
Finstein Lecture	100.000	136 080				
Evemplary Program	100,000	135,000				
Mathematical Art	20,000	27.050				
Total (Income Restricted)	<b>3,693,560</b>	<b>6,110,110</b>				
Income Unrestricted Endowment:						
Endowment	107,530	906,675				
Morita	100,000	161,620				
Henderson	548,223	4,819,435				
Schoenfeld/Mitchell	573,447	913,743				
Laha	189,309	306,983				
Ritt	51,347	287,135				
Moore	2,575	27,066				
Total (Income Unrestricted)	1,572,431	7,422,657				
Total Endowment Funds	5,265,992	13,532,767				
Quasi-Endowment Funds:						
Journal Archive Fund		1,414,581				
Young Scholars		812,252				
Economic Stabilization Fund (ESF)		25,840,754				
Endowment Income Stabilization Fu	497,710					
Backfile Digitization Fund	270,519					
Operations Support Fund (OSF)	72,171,440					
Total Quasi-Endowment Funds		101,007,256				
Beal Prize (Temporarily Restricted)		1,153,924				
Total All Funds		115,693,947				



## The following prizes and awards were given at the 2014 Joint Mathematics Meetings.



## Leroy P. Steele Prize for Lifetime Achievement: Phillip A. Griffiths

for his deep and wide-ranging contributions to mathematics and the mathematics profession.





oto credit: Becky Risc

### Leroy P. Steele Prize for Seminal Contribution to Research: Luis A. Caffarelli, Robert Kohn and Louis Nirenberg

for their paper, "Partial regularity of suitable weak solutions of the Navier-Stokes equations." (Communications Pure and Applied Math, vol. 35, no. 6, 771-831 (1982)), a source of inspiration for a generation of mathematicans.



#### Leroy P. Steele Prize for Mathematical Exposition: Dmitri Y. Burago, Yuri D. Burago and Sergei V. Ivanov

for their book, A Course in Metric Geometry, in recognition of excellence in exposition and promotion of fruitful ideas in geometry.



credit: Rvoko

### Frank Nelson Cole Prize in Number Theory: Daniel Goldston, János Pintz, and Cem Y. Yıldırım

for their work on "small gaps" between prime numbers, which is presented in their paper "Primes in tuples. I" (Annals of Mathematics (2) 170 (2009), no. 2, 819-862)).



Goldst

## Levi L. Conant Prize: Alexander Kontorovich

for his article "From Apollonius to Zaremba: Local-global phenomena in thin orbits", (Bulletin of the AMS, 50 (2013). no. 2, 187-228).



## **Leonard Eisenbud Prize for Mathematics and Physics: Gregory W. Moore**

for his group of works on the structure of fourdimensional supersymmetric theories with extended supersymmetry.



## Frank Nelson Cole Prize in Number Theory: **Yitang Zhang**

for his paper "Bounded gaps between primes" (Annals of Mathematics, volume 179, no. 3 (2014)).

University of New Hampshir Photographic Services



## Joseph L. Doob Prize: Cédric Villani

for his book Optimal Transport: Old and New (Springer-Verlag, 2009).

Phototheque CNRS -Sebastien Godefroy



## **Bôcher Memorial Prize: Simon Brendle**

for his outstanding solutions of long-standing problems in geometric analysis.



## Award for Distinguished Public Service: Philip Kutzko

for his leadership of a national effort to increase the number of doctoral degrees in the mathematical sciences earned by students from underrepresented groups.

it: Thomas to cre Jorgensen, University of Iowa



JPBM Communications Award: Danica McKellar

for her books, blog, and public appearances which have encouraged countless middle and high school students, especially girls, to be more interested in mathematics.



## **AMS-MAA-SIAM Frank and Brennie Morgan Prize for Outstanding Research in Mathematics** by an Undergraduate Student: Eric Larson

for his truly exceptional record of research.







## Award for an Exemplary Program or Achievement in a Mathematics Department - 2013

#### Mathematics Department at the University of Texas at Arlington



for making a concerted and highly successful effort over the last decade to build a doctoral program whose composition reflects the demographics of our increasingly diverse nation. (Photo courtesy of UT Arlington Mathematics Department.)

#### Mathematics Programs That Make a Difference Award - 2013

# The Nebraska Conference for Undergraduate Women in Mathematics (NCUWM)



for its remarkable contribution to the national effort to produce more women PhDs in the mathematical sciences. (Photo courtesy of NCUWM.)

#### AMS Epsilon Fund 2013 Awards



AMS chose 15 summer math programs to receive Epsilon grants in 2013.

"We learned about error correcting, codes, fractals, graph theory, cryptology, spherical geometry, infinity, etc. I had a blast, and I was surprised at how fun and awesome math can be."

-Student at an Epsilon-funded camp

#### Dear Friends and Colleagues,

The American Mathematical Society works in many ways to foster a vibrant environment for mathematicians. Programs and services that directly improve scholarship and professional life have substantial impact.

You, our members and friends, make this work possible through your generosity. The Society celebrated its 125th Anniversary in 2013, and in concordance, many of you directed your philanthropic resources toward the AMS. Your donations promoted excellence in research via the Centennial Fellowship and other prizes and awards; they ensured that young mathematicians participated in camps that fed their eagerness for mathematics; they supported graduate students as they took crucial steps early in their careers and they enabled access to MathSciNet across the globe, assisting mathematicians in developing countries. On behalf of all these beneficiaries and those working to support these programs, I thank you.

The Society's work was lifted by substantial individual gifts this year. D. Andrew Beal increased the prize related to the Beal Conjecture to \$1 million dollars; the spendable income funds the Paul Erdős Memorial Lecture and other key AMS programs. The Epsilon Fund was aided by Adrian Banner with royalties from his book sales, as well as by Thomas Savage. Aurellia Sobczyk made a gift in memory of her husband, Andrew. Cathleen Synge Morawetz and Herbert Morawetz bolstered the Oswald Veblen Prize in Geometry. The AMS received a legacy gift from the late mathematician Kathleen Baxter. The Society also recognizes Robert and Maria Steinberg's longtime support of the AMS, and we acknowledge with sadness their recent passing.

Every donor builds connections between legacies of scholars and mathematical thought. By giving, you are indelibly connected to the field, its history, its future and to members of the mathematical community everywhere. Passion for mathematics drives us to do great things. Thank you for your gifts that make so much possible.

Donald E. McClure Executive Director



# **Thomas S. Fiske Society**

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.

Anonymous (3) Walter O. Augenstein Kathleen Baxter Shirley and Gerald Bergum Shirley Cashwell Peter L. Duren Carl Faith Isidore Fleischer Ramesh A. Gangolli Rosalind J. Guaraldo Yanguang Charles Li Joseph S. Mamelak Trevor J. McMinn Cathleen S. Morawetz Albert Nijenhuis Franklin P. Peterson Moshe Rosenfeld Margaret W. Taft B. A. and M. Lynn Taylor Yury Volin Eugene Toll Steven H. Weintraub



# **Tribute Gifts**

The following friends, colleagues and family members are all being specially honored by a donation in support of mathematics. These gifts are a tangible homage to those who have passed on, or a way to honor people still living. The AMS is pleased to list the commemorated individuals and the 2013 tribute donors who made these gifts possible.

## Gifts were made in memory of the following individuals:

Maurice Auslander by Bernice L. Auslander Salah Baouendi by Linda Preiss Rothschild W. J. Blok by Don L. Pigozzi Former AMS Production Staff by Victoria Ancona Arthur Greenspoon by Chris Abrams Arthur Greenspoon by Graeme Fairweather Arthur Greenspoon by Donald E. McClure Arthur Greenspoon by Jihye Sofia Seo Arthur Greenspoon by Irina F. Siveraina Arthur Greenspoon by B. A. and M. Lynn Taylor Robert T. Kocembo Sr. by Robert T. Kocembo Jr. and Wendy E. Zielinski Nelson Mandela by Maleafisha Stephen Joseph Tladi Edwin and Martha Marek by Robin Marek and David Beutel Vincent O. McBrien by Joseph W. Paciorek Eugene Pflumm by Mollie Pflumm Marjorie Place Cummings by Ellen H. Heiser Arnold Ross by Charles W. Misner Paul Sally Jr. by Jeffrey D. Adler Harold N. Shapiro by Alexandra Shlapentokh

Jeremy Frank Shapiro *by Francisco J. Jauffred* Andrew Sobczyk *by Aurellia Sobczyk* Kathryn B. Toll *by Eugene Toll* 

## Gifts were made in honor of the following individuals:

Mike Breen, Annette Emerson and the AMS Public Awareness Office by Stephen and Susan Wildstrom Morton E. Harris by George Glauberman Vivian Healey and Wade Hindes by Daniel L. Goroff James W. Maxwell by Adalaide Morris Donald E. McClure by Anonymous Peter Ori by Mark Lares Marcie Rathke by Nathaniel Eldredge Carla D. Savage by Robert T. Kocembo Jr. and Wendy E. Zielinski

## **Donors to the AMS**

The people and businesses listed below made one or more gifts to the AMS between January 1–December 31, 2013. On behalf of all those who benefit from this generosity, the AMS extends its 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 further acknowledged on the AMS Donor Wall of Honor at the Society's Headquarters. We are pleased to recognize each donor in the following listing.

## PRESIDENT'S ASSOCIATES

(Gifts of \$5,000 and above) Anonymous (2) Anonymous Fund of the Toledo Community Foundation Tom M. Apostol Adrian D. Banner Kathleen Baxter D. Andrew Beal Elwyn and Jennifer Berlekamp Fund William Craig Edward D. Davis Elsevier Mark L. and Kathryn Kert Green Sigurdur Helgason Phyllis and Donald Kahn Philanthropic Fund Harry Lucas Jr. Cathleen Synge and Herbert Morawetz Savage Charitable Fund of the Community Foundation of Broward Aurellia Sobczyk

Robert and Maria W. Steinberg Eugene Toll Klaus Tschira Foundation

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