

A PUBLICATION TO INFORM  
 MEMBERS ABOUT SOCIETY  
 ACTIVITIES. THIS ISSUE  
 COVERS INTERNATIONAL  
 PROGRAMS.

A lot has changed since 1888, when graduate student Thomas S. Fiske, inspired by the fellowship of mathematicians at Cambridge University, returned to New York City and founded a society to foster a sense of “comradeship among Americans interested in mathematics.” That society evolved into the American Mathematical Society, which in turn has evolved into a truly international organization. Almost one-third of AMS members are from 135 countries outside the U.S.

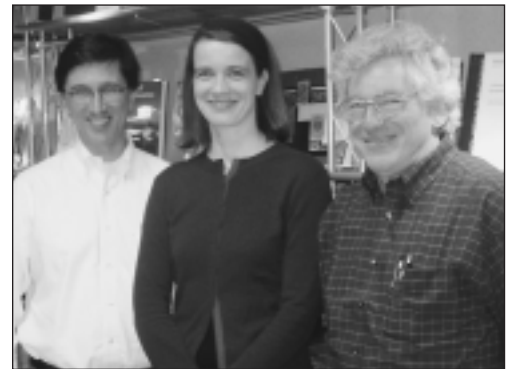
## AMS Category-S Members

The AMS invites individuals in 143 developing countries to join the AMS at a special, low dues rate. The annual rate through 2006 is \$16, or 16 “AMS points” (earned by writing two reviews for *Mathematical Reviews*). The AMS-subsidized dues program serves to keep mathematicians from around the world (particularly those in remote or isolated locations) in touch with their colleagues and with mathematics. In 2006, Category-S will be renamed “Affiliate Member.” AMS membership at a reduced rate is also available to individuals outside the U.S. who belong to one of the 76 other mathematical societies with which the AMS has a reciprocity agreement.

[Read more](#) For more information see [www.ams.org/membership](http://www.ams.org/membership).

## Copublishing, Distributing, and Translating International Works

A new agreement with the Real Sociedad Matemática Española (Royal Mathematical Society of Spain) will lead to the publication of advanced textbooks and monographs from Spanish authors. The AMS also recently became the exclusive distributor in the Americas of book series published by the European Mathematical Society and is working with authors and publishers in China to publish more works translated from Chinese.



AMS Acquisitions Editors (left to right) Ed Dunne, Ina Lindemann, and Sergei Gelfand.

The AMS copublishes book series with The Fields Institute and the Centre de Recherches Mathématiques in Canada, and with the London Mathematical Society, and produces and distributes books in the U.S. in cooperation with Bar-Ilan University Press (Israel), the European Mathematical Society, the Hindustan Book Agency, the Mathematical Society of Japan, the Société Mathématique de France, the Sociedad Matemática Mexicana, the Tata Institute of Fundamental Research (India), the Theta Foundation of Bucharest, and Vieweg Verlag (Germany). The AMS also publishes works in various series translated into English from many languages, including Greek, Ukrainian, Japanese, Russian, French, Swedish, Polish, Spanish, and German.

Among the journals the AMS distributes in the U.S. are those published by the Independent University of Moscow, the National Academy of Science of Ukraine, the Ramanujan Mathematical Society, the Société Mathématique de France, and the Theta Foundation of Bucharest.

[Read more](#) See all the books and journals published, copublished, and distributed by the AMS on the AMS Bookstore at [www.ams.org/bookstore](http://www.ams.org/bookstore).

### INSIDE THIS ISSUE

AMS Category-S Members

Copublishing, Distributing, and Translating International Works

*Mathematical Reviews (MR)* and *MathSciNet News*

Options to Access Mathematical Reviews and MathSciNet

Joint International Meetings

Fan China Exchange Program

The AMS and the International Mathematical Union (IMU)

Book & Journal Donation Program

Online Resources & Tools

*Notices of the AMS*

The AMS—an International Professional Society

## Mathematical Reviews (MR) and MathSciNet News

The MR Database now covers over 64 years of mathematical literature, containing nearly 2 million items and 457,113 links to original articles in over 1,800 journals. Of 10,843 active MR reviewers, about three-fourths (and about the same portion of signed reviews) are from outside the U.S. Since 1999 MR has received reviews from 115 countries and, in 2004, reviews came in for the first time from Botswana, Fiji, Luxembourg, and Syria.

Recent MathSciNet enhancements include **multilingual search screens** (in English, French, German, Spanish, Chinese, or Russian) and the **Collaboration Distance** feature (a general form of the famous “Erdős Number”, in which you can calculate the collaboration distance between any two authors in MathSciNet).

The screenshot shows the MathSciNet website interface. At the top, it says "AMERICAN MATHEMATICAL SOCIETY MathSciNet Mathematical Reviews on the Web". Below that is a "Quick Search" section with a language dropdown set to "English", a location dropdown set to "Providence, RI USA", and a search type dropdown set to "Author/Related". There is a "Go" button. Below the search bar, there is a "Facts and Figures" section with the following text: "0 items added in 2005; 1799 journals covered; links to 482849 original articles; 10643 active reviewers; 421361 authors indexed." There is also a "What's New" section with a list of updates: "User profiles", "More precise co-author searches", "Enhanced current awareness searching", and "New language interfaces". To the right of this list is a section titled "Looking for a specific author?" with the text: "The Author Database is one of MathSciNet's most powerful components. The Author Database identifies authors and possible variations of authors' names as listed in". At the bottom, there is a table of multilingual search options:

English	Spanish	Russian	French	German	Chinese
Search MathSciNet	Buscar en MathSciNet	Поиск в MathSciNet	Recherche dans MathSciNet	Suche in MathSciNet	搜索数学科学网
Full Search	Búsqueda integral	Расширенный Поиск	Recherche intégrale	Erweiterte Suche	全面搜索
Basic Search	Búsqueda simple	Простой Поиск	Recherche simple	Standard Suche	基本搜索
Authors	Autores	Авторы	Autoren	Authors	作者
Journals		Журналы			杂志
		MSC			分类

[Read more](#) See what's new on MathSciNet at [www.ams.org/mathscinet](http://www.ams.org/mathscinet). MR Database information and resources are at [www.ams.org/mr-database](http://www.ams.org/mr-database).

## Options to Access Mathematical Reviews and MathSciNet

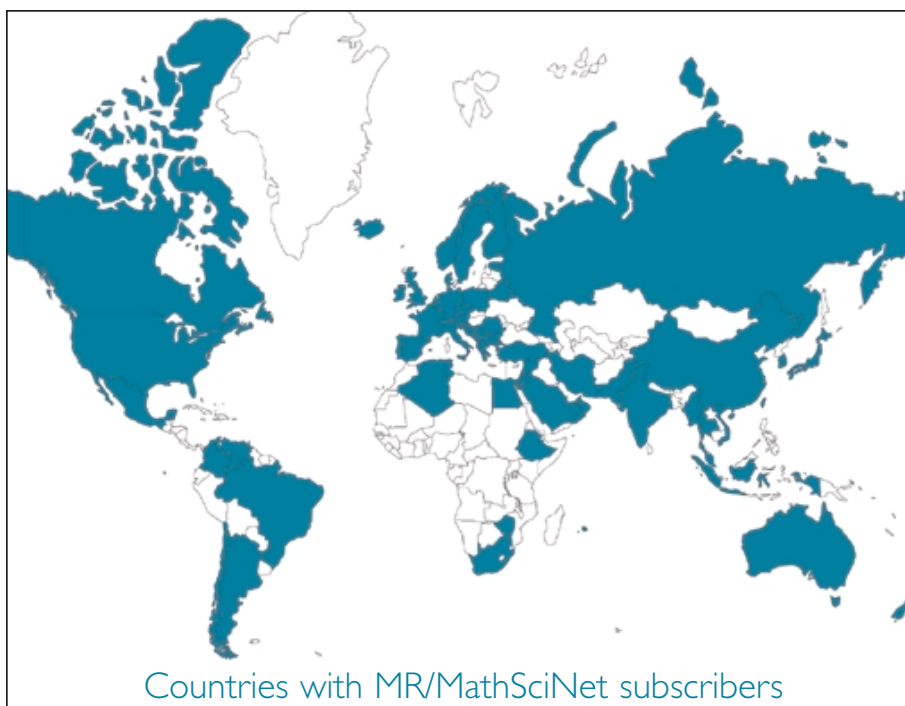
The Society offers two special pricing options that enable countries around the world to access MathSciNet: the **National MR Subscription Program** and **Consortia Pricing**. The National MR Subscription Program offers over 100 developing countries the opportunity to receive *Mathematical Reviews* at substantially reduced rates. The Consortia program aims to increase MathSciNet access to the mathematical research community and to establish pricing relative to a site's contributions to the MR

Database. There are now over 100 consortia worldwide with more than 1,000 academic institutions and corporations that have access to MathSciNet.

“The AMS Consortium has been very helpful to us in the last five years, during which our library faced dramatic budget cuts.”

—*Bernd-Christoph Kaemper, Universitätsbibliothek Stuttgart*

[Read more](#) See the list of countries eligible for the National MR Subscription Program and learn more about the Consortia Pricing option at [www.ams.org/bookstore/mathsciprice](http://www.ams.org/bookstore/mathsciprice).



## Joint International Meetings

Since the Society's first joint international meeting with the London Mathematical Society in 1992, the AMS has cosponsored 17 meetings with sister societies in their host countries. These meetings are a valuable addition to the Society's programs that foster contacts and collaborations. In 2005 the AMS will cosponsor the Second Joint International Meeting with the Deutsche Mathematiker-Vereinigung (DMV) and the Oesterreichische Mathematische Gesellschaft (OMG) in Mainz, Germany (June 16–19), and the First Joint International Meeting with the Taiwanese Mathematical Society in Taiwan (December 14–18).

[Read more](#) See the list of upcoming International Joint Mathematics Meetings at [www.ams.org/amsmtgs/internmtgs.html](http://www.ams.org/amsmtgs/internmtgs.html).

## Fan China Exchange Program



Fan Huijun (right) with host Prof. Yongbin Ruan at the University of Wisconsin-Madison

Grants to support collaborations between Chinese and U.S./Canadian researchers are made possible through the generosity of Ky and Yu-Fen Fan. The grants support travel of mathematicians for visits with research colleagues.

“... My experience is that face-to-face discussion can't be replaced.”

— **Fan Huijun**, Institute of Mathematics, CAS, Beijing

“I spent two weeks in China, working with very bright young mathematicians. It was very rewarding!”

— **Luis Caffarelli**, University of Texas at Austin

“The Fan program is wonderful and will definitely have a lot of positive impact on the mathematics communities of U.S. and China.”

— **Prof. Chi Kwong Li**, College of William & Mary

[Read more](#) See [www.ams.org/employment/chinaexchange.html](http://www.ams.org/employment/chinaexchange.html).

## The AMS and the International Mathematical Union (IMU)

AMS member contributions to the IMU Special Development Fund are very generous and enable young researchers to attend the **International Congress of Mathematicians (ICM)** every four years. AMS members contributed over \$126,000 to the fund that awarded travel grants to 95 young mathematicians in developing countries to attend the ICM in Beijing in 2002. AMS members continue to contribute to this fund.

AMS Executive Director John Ewing serves on the IMU's Committee on Electronic Information Communication (CEIC), which advises the IMU on electronic publishing. The CEIC recently solicited a proposal from the Mathematical Reviews and Zentralblatt reviewing databases which recommended standards for metadata that will make it easy to add bibliographic material to the databases.

[Read more](#) See CEIC announcements at [www.ceic.math.ca](http://www.ceic.math.ca).

## Book & Journal Donation Program

The AMS Book and Journal Donation Program, made possible by support from the Alan and Katherine Stroock Fund, matches donors of certain types of mathematical materials with recipient institutions or libraries in currency-poor or developing countries where there is a need for mathematical research literature.

“...The journals will make a substantial difference in the opportunities for education of many talented individuals. This is a case of international cooperation at its best.”

— **Alfonso Castro**, Harvey Mudd College



Jorge Cossio

### Journals journey to new home



“... I am sure that this donation will contribute to the scientific progress of my country.”

— **Jorge Cossio**, Universidad Nacional de Colombia Sede Medellin

“...The journals are extremely valuable for the Romanian mathematical community. We are very indebted to you.”

— **Dr. Serban Basarab**, Director of the Institute of Mathematics “Simion Stoilow”, Romania

“... The books will be a most valuable and needed supplement to our scanty collection of materials in the mathematical field. We are most heartened by the excellent donation.”

— **Dr. S.A. Brink**, Director of Library Services, University of Venda for Science and Technology, South Africa

So far the AMS has facilitated donations from generous individuals and libraries to Argentina, Armenia, Bulgaria, China, Colombia, Cuba, the Czech Republic, Egypt, Georgia, Hungary, India, Iran, Morocco, Romania, Russia, South Africa, Turkey, Uzbekistan, and Vietnam.

[Read more](#) For guidelines and instructions, see the AMS Book & Journal Donation Program at [www.ams.org/employment/bookdonation.html](http://www.ams.org/employment/bookdonation.html).

## Online Resources & Tools

Among the many online resources available at no cost as a service to all are:

- **Bulletin of the AMS**, a quarterly journal of expository articles, reports on important mathematical developments, and book reviews by invitation, at [www.ams.org/bulletin](http://www.ams.org/bulletin).



David Jones, Publications Group, developer of *amsrefs 2.0*.

- **Amsrefs 2.0**, a recently developed L<sup>A</sup>T<sub>E</sub>X extension package that allows an author to send a paper with embedded references to a publisher without any loss of internal structural information about the entries, preserving a structured markup of the bibliography throughout the entire lifetime of the document, from rough draft to final archival version, for use in various publishing environments.

- **MRef**, an MR Database tool for creating standard references with links, making it easier for authors to add links to MathSciNet in their bibliographic references while at the same time verifying their accuracy and standardizing their form.

[Read more](#) See the Author Resource Center at [www.ams.org/authors](http://www.ams.org/authors).

201 Charles Street  
Providence, Rhode Island 02904-2294, USA

## AMS MEMBER NEWSLETTER

### Notices of the AMS



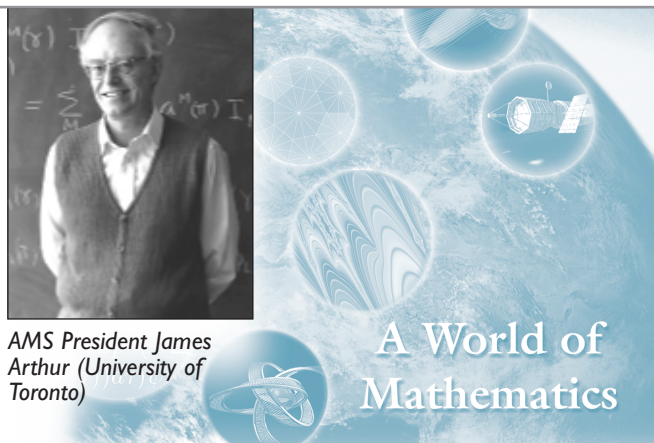
*Notices of the AMS* at [www.ams.org/notices](http://www.ams.org/notices) celebrates its 10th anniversary in its present format, and continues to feature **profiles** of and **interviews** with an international cast of mathematicians, **expository articles**, **obituaries**, **prizes** and **prizewinners**, **anniversaries of institutes**, a **calendar of meetings** around the world, articles on **mathematics education** in different countries, lists of **Stipends for Travel and Study Abroad** and **Reciprocity Agreements**, and **Letters to the Editor** from all over the world.

[Read more](#) See *Notices of the AMS* dating back to 1995 online at [www.ams.org/notices](http://www.ams.org/notices).

### The AMS—an International Professional Society

“The AMS is a major contributor to the vitality of mathematics on the national and international stages. I am pleased to begin my term as president of the American Mathematical Society (2005–2006) to represent this professional organization and its many programs that support research and strengthen communication worldwide.”

[Read more](#) Visit the AMS website at [www.ams.org](http://www.ams.org) to learn more about all the Society’s programs serving the international mathematical community.



AMS President James  
Arthur (University of  
Toronto)

A World of  
Mathematics