

A PUBLICATION TO INFORM  
MEMBERS ABOUT SOCIETY  
ACTIVITIES AND NEWS.

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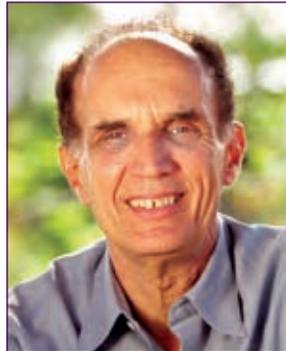
New Online *Notices of  
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## Bass and Efron Receive National Medal of Science

Photo by Mike Gould  
Univ. of Michigan School of Education



Hyman Bass, University of  
Michigan.



Bradley Efron, Stanford  
University

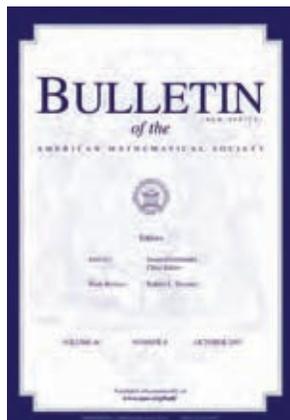
**Hyman Bass**, former president of the AMS (2001-2002) and current professor of mathematics and education at the University of Michigan, received the National Medal of Science for “his fundamental contributions to pure mathematics, especially in the creation of algebraic K-theory, his profound influence on mathematics education, and his service to the mathematics research and education communities. With his unique combination of gifts he has had enormous impact over the course of a half century.”

**Bradley Efron**, Max H. Stein Professor and professor of statistics and of health research and policy at Stanford University, was cited

“for his contributions to theoretical and applied statistics, especially the bootstrap sampling technique; for his extraordinary geometric insight into nonlinear statistical problems; and for applications in medicine, physics and astronomy.” A winner of a 1983 MacArthur Fellowship, he has served as president of the American Statistical Association and of the Institute of Mathematical Statistics. President Bush presented the awards to these and other 2006 and 2005 recipients in a White House ceremony on July 27.

**Read more** Read the National Science Foundation press release at [www.nsf.gov/news/news\\_summ.jsp?cntn\\_id=109741](http://www.nsf.gov/news/news_summ.jsp?cntn_id=109741).

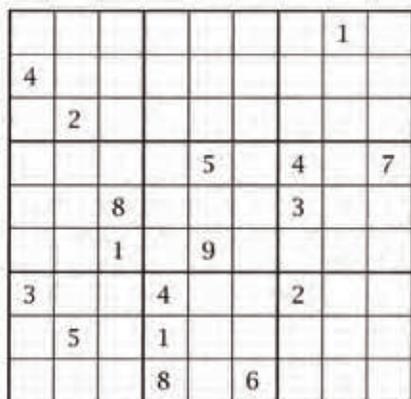
## Bulletin of the AMS – 1891 to Present Online



Readers may now view online the first century of the *Bulletin of the American Mathematical Society*, from 1891 to 1991, searchable and fully integrated with the modern *Bulletin*. The digitization was carried out through the Digital Mathematics Library Project of the Mathematical Sciences Research Institute and was funded by a grant from the Gordon and Betty Moore Foundation. The approximately 84,000 pages of the *Bulletin* are freely accessible to all. The final phase of the project underway now is work on the References—to verify and add links to **MathSciNet** where possible—completing the digitization of this important collection of mathematical literature. The archive is also online at Project Euclid.

**Read more** Explore the *Bulletin* archive of seminal research articles, reports on Society meetings, and book reviews from 1891 to the present, at [www.ams.org/jourcgi/jrn1\\_toolbar\\_nav/bull\\_all](http://www.ams.org/jourcgi/jrn1_toolbar_nav/bull_all).

## Media Coverage of Article in Notices of the AMS



A Sudoku puzzle with 17 entries.

As a result of an AMS news release posted on EurekAlert and Newswise wire services, the article “Sudoku Squares and Chromatic Polynomials,” by Agnes Herzberg and M. Ram Murty (June/July Notices) was covered in the *Toronto Star*, *Spiegel Online*, *Milwaukee Journal-Sentinel*, and many other science-related web pages and blogs. Some of the media coverage

conveyed a tone of surprise at the notion that something fun like Sudoku could be connected to something serious like mathematics, but Murty was quoted as saying “I did this just for kicks.”

**Read more** See the citations and summary about the Sudoku article on *Math in the Media's Math Digest* at [www.ams.org/mathmedia/mathdigest/md-200706-toc.html#200708-sudoku](http://www.ams.org/mathmedia/mathdigest/md-200706-toc.html#200708-sudoku).

## AMS Media and Congressional Fellows

**Adriana Salerno**, 2007 AMS-AAAS Mass Media Fellow, worked at *Voice of America* ([www.voanews.com](http://www.voanews.com)) for ten weeks over the summer under the sponsorship of the AMS. She is a Ph.D. student in mathematics at the University of Texas at Austin. During her internship she filed several articles (with downloadable audio files), including these related to mathematics: “New Book Explains How Math Can Help Solve Crimes” (August 13), “First US Team to Compete in China Girls Mathematical Olympiad” (August 10), “Mathematicians Propose New Model for Cancer



Adriana Salerno, 2007 AMS-AAAS Mass Media Fellow

Growth” (July 31), and “Indo-American Mathematician Wins Top Math Prize” (July 18).

**Read more** Read about the AMS-AAAS Mass Media Fellowship program, experiences of past media fellows and how to apply for the 2008 fellowship at [www.ams.org/government/massmediafellowaward.html](http://www.ams.org/government/massmediafellowaward.html). Applications for summer 2008 will be invited this fall.



Jeffrey Phan, 2007-2008 AMS-AAAS Congressional Fellow

**Jeffrey Phan** has been chosen to be the AMS Congressional Fellow for 2007-2008. The AMS will sponsor Jeffrey's fellowship through the program, which is administered by the American Association for the Advancement of Science (AAAS). The fellowship provides a unique public policy learning experience, demonstrates the value of science-government interaction, and brings a technical background and external perspective to the decision-making

process in Congress. Fellows spend a year working on the staff of a member of Congress or a congressional committee, working as a special legislative assistant in legislative and policy areas requiring scientific and technical input. Phan earned his Ph.D. in Mathematics from Columbia University, was a teaching fellow with Columbia University's Science and Math Partnership, and most recently was an assistant professor of mathematics at the University of Wisconsin-Whitewater.

**Read more** Read about the AMS-AAAS Congressional Fellowship at [www.ams.org/government/congressfellowaward.html](http://www.ams.org/government/congressfellowaward.html).

## AMS at ICIAM 2007

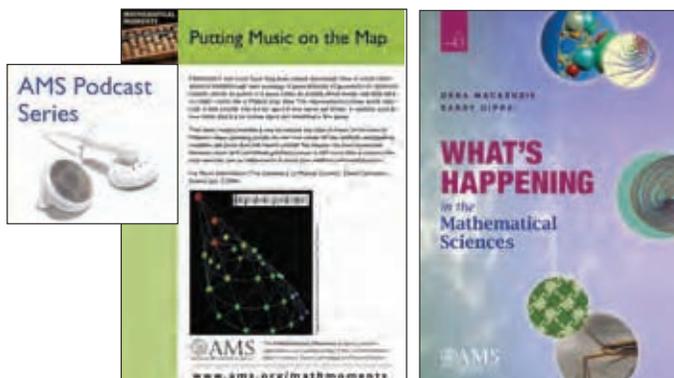
The American Mathematical Society hosted an exhibit at the 6th International Congress on Industrial and Applied Mathematics (ICIAM) held in Zurich, Switzerland, July 16-20, 2007, at ETH Zürich (Swiss Federal Institute of Technology) and Universität Zürich. The Society displayed a sampling of publications from the AMS Book Program and recent issues of journals, demonstrated



MathSciNet, and provided materials from the AMS Public Awareness and Membership offices.

**Read more** See the scientific program, the Public Lecture in pdf format, and a gallery of photographs on the ICIAM website at [www.iciam07.ch/index](http://www.iciam07.ch/index).

## AMS Podcasts



The AMS Public Awareness Office has launched a series of podcasts. The authors of the latest volume of *What's Happening in the Mathematical Sciences*, **Dana Mackenzie** and **Barry Cipra**, talk with AMS Public Awareness Officer **Mike Breen** about each chapter's topic. The *Mathematical Moments* program also has some interviews with experts on applications of mathematics. Dartmouth College computer scientist **Hany Farid** talks about the use of mathematics in the field of digital image forensics, **Eva K. Lee** (Georgia Institute of Technology/Emory University) relates her award-winning work beating cancer, and **Dmitri Tymoczko** (Princeton University) speaks about his research in applying mathematics to music.

**Read more** Hear Mackenzie and Cipra talk about current research in mathematics at [www.ams.org/ams/whims6.pdf](http://www.ams.org/ams/whims6.pdf), and download audios of *Mathematical Moments* while viewing the posters, at [www.ams.org/mathmoments](http://www.ams.org/mathmoments).

## Joint International Meetings

The first joint meeting of the **AMS and the Polish Mathematical Society** (PTM) was held at the University of Warsaw, July 31-August 3, 2007. Over 550 mathematicians attended. The scientific program included plenary speakers from each society. The invited speakers were **Henryk Iwaniec** (Rutgers University), **Tomasz J. Luczak** (Adam Mickiewicz University), **Tomasz Mrowka** (Massachusetts Institute of Technology), **Ludomir Newelski** (University of Wrocław), **Madhu Sudan** (Massachusetts Institute of Technology), and **Anna Zdunik** (Warsaw University).

The first joint meeting of the **AMS and the New Zealand Mathematical Society** (NZMS) will be held at the Victoria University of Wellington, New Zealand, December 12-15 2007. The plenary speakers are **Marston Conder** (University of Auckland), **Rodney G. Downey** (Victoria University

of Wellington), **Michael H. Freedman** (Microsoft Research), **Bruce J. Kleiner** (Yale University), **Gaven J. Martin** (Massey University), **Assaf Naor** (Courant Institute of Mathematical Sciences), **Theodore A. Slaman** (University of California, Berkeley) and **Matthew J. Visser** (Victoria University of Wellington).

Since the AMS's first joint international meeting with the London Mathematical Society in 1992, the AMS has co-sponsored 21 meetings with sister societies in their host countries to foster contacts and collaborations.

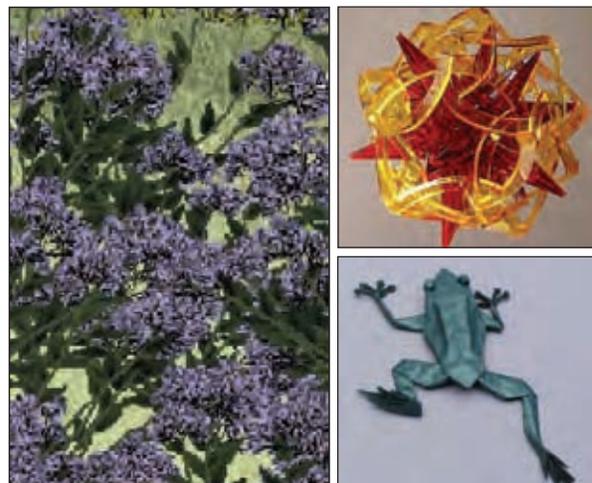


The joint meeting of the AMS and the Polish Mathematical Society at the University of Warsaw.

**Read more** See information on upcoming meetings in Brazil and China in 2008 at [www.ams.org/amsmtgs/internmtgs.html](http://www.ams.org/amsmtgs/internmtgs.html).

## Mathematical Imagery – New Works Added

Recent additions to *Mathematical Imagery* include new inflorescences and “Persian Rug (Recursion I)” by **Anne M. Burns**, geometric sculptures by **George W. Hart**, and origami by **Robert J. Lang**. The site also includes many other sculptures, fractals, origami, paintings, knots, and quilts, all with explanations of the mathematics involved.

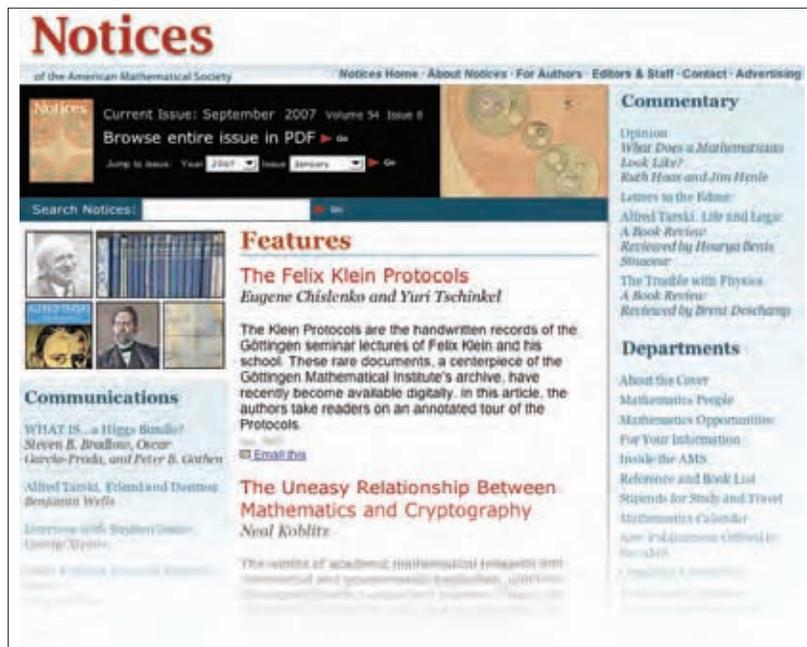


**Read more** Explore the growing collection of albums in *Mathematical Imagery*—send e-postcards and bookmark the page to see new featured works at [www.ams.org/mathimagery/](http://www.ams.org/mathimagery/).

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## AMS MEMBER NEWSLETTER

### New Online Notices of the AMS



The screenshot shows the homepage of the Notices of the AMS website. At the top, it says "Notices of the American Mathematical Society" and includes navigation links like "Notices Home", "About Notices", "For Authors", "Editors & Staff", "Contact", and "Advertising". The current issue is identified as "September 2007, Volume 34, Issue 8". A search bar is present. The main content area is divided into several sections: "Features" with a highlighted article "The Felix Klein Protocols" by Eugene Chislenko and Yuri Tschinkel; "Communications" with a link "WHAT IS... a Higgs Bundle?"; "Commentary" with a link "Opinion: What Does a Mathematician Look Like?"; and "Departments" with links for "About the Cover", "Mathematics People", and "Reference and Book List".

Have you seen the new online presentation of *Notices*? Readers may now choose to view the entire issue in pdf page-by-page as one would browse the print issue, or navigate from the *Notices* home page (current issue) to any section or page. Also new, readers can email the feature articles to colleagues, and link directly from the main page to obtain information for *Notices* authors, contact editors and staff, see advertisements, and view issues going back to 1995.

**Read more** See the new online *Notices* at [www.ams.org/notices](http://www.ams.org/notices).