

## PUBLICATIONS *of* CONTINUING INTEREST

### Titles of General Interest

The AMS is pleased to bring you these bestselling titles in the General Interest category. The selections are suitable for a wide audience, including high school students, undergraduates, and educators. Many of the books make fine texts for course adoption. They offer vital and informative historical, biographical, and educational perspectives on mathematics. For more recommended textbooks, search the AMS Bookstore at [www.ams.org/bookstore/](http://www.ams.org/bookstore/). To request an exam copy, contact the AMS.

#### What's Happening in the Mathematical Sciences, Volume 4

Barry Cipra

*Praise for volumes 1, 2, and 3 of What's Happening ...*

*Stylish format ... largely accessible to laymen ... This publication is one of the snappier examples of a growing genre from scientific societies seeking to increase public understanding of their work and its societal value.*

—*Science & Government Report*

*Another choice of new exciting developments in mathematics. These volumes really deserve a large audience, students as well as researchers will be fascinated by the insights and overviews presented.*

—*Zentralblatt für Mathematik*

*The topics chosen and the lively writing fill a notorious gap—to make the ideas, concepts and beauty of mathematics more visible for the general public ... well-illustrated ... Congratulations to Barry Cipra.*

—*Zentralblatt für Mathematik*

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**What's Happening in the Mathematical Sciences, Volume 4;** 1999; ISBN 0-8218-0766-8; 126 pages; Softcover; List \$14, Order Code HAPPENING/4CT99

Recommended Text

#### How to Teach Mathematics Second Edition

Steven G. Krantz, *Washington University, St. Louis, MO*

*Praise for the First Edition ...*

*An original contribution to the educational literature on teaching mathematics at the post-secondary level. The book itself is an explicit proof of the author's claim "teaching can be rewarding, useful, and fun".*

—*Zentralblatt für Mathematik*

1999; ISBN 0-8218-1398-6; 307 pages; Softcover; All AMS members \$19, List \$24, Order Code HTM/2CT99

#### Jacques Hadamard, A Universal Mathematician

Vladimir Maz'ya and Tatyana Shaposhnikova, *Linköping University, Sweden*

*The authors describe Hadamard's life with numerous interesting details contained in the references of those close to him and give many illustrations of the wide-ranging mathematical impact of this "living legend". Furthermore, the authors enhance the utility of their text as a research tool by organizing and listing hundreds of references to other pertinent materials about the life and works of Hadamard.*

—*MAA Online*

*The reviewer recommends the book highly for both enjoyment and information. The authors have a masterful grasp of both the mathematics and the biography, and they tell the story in a very interesting way.*

—*Mathematical Reviews*

*An account of one of the great mathematicians of all time. Thoroughly researched biography plus summary of contributions to analytic function theory, number theory, geometry, calculus of variations, mathematical physics, PDEs, and other other subjects.*

—*American Mathematical Monthly*

*Some mathematicians are well remembered without being well acknowledged: the name circulates, but the contributions which caused the fame are largely forgotten or at least not distinguished from others': An outstanding case for this century is Jacques Hadamard ... All the more reason to welcome this fine and exhaustive book, which treats in detail both his exceptionally long life and comparably important work ...*

—*Bulletin of the American Mathematical Society*

Co-published with the London Mathematical Society. Members of the LMS may order directly from the AMS at the AMS member price. The LMS is registered with the Charity Commissioners.

**History of Mathematics, Volume 14;** 1998; ISBN 0-8218-0841-9; 574 pages; Hardcover; Individual member \$47, List \$79, Institutional member \$63, Order Code HMATH/14CT99

#### Prospects in Mathematics Invited Talks on the Occasion of the 250th Anniversary of Princeton University

Hugo Rossi, *Mathematical Sciences Research Institute, Berkeley, CA*, Editor

Cover picture of Old Fine Hall at Princeton University is courtesy of Robert P. Matthews, Communications Department, Princeton University.

1999; ISBN 0-8218-0975-X; 162 pages; Hardcover; All AMS members \$23, List \$29, Order Code PIMCT99

#### Research in Collegiate Mathematics Education. III

Alan H. Schoenfeld, *University of California, Berkeley*,  
Jim Kaput, *University of Massachusetts, Dartmouth*, and  
Ed Dubinsky, *Georgia State University, Atlanta*, Editors

This volume presents state-of-the-art research on understanding, teaching, and learning mathematics. Included is information on methodology and research concentrating on these areas of student learning: problem solving, understanding concepts, and understanding proofs.

This series is published in cooperation with the Mathematical Association of America.

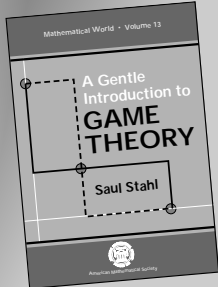
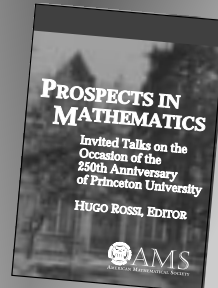
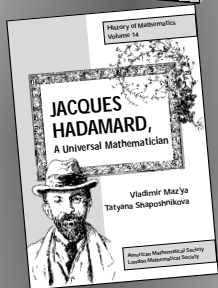
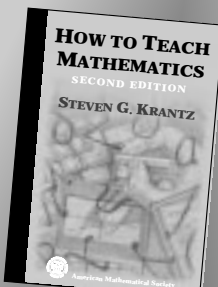
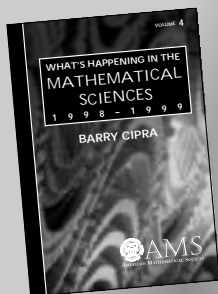
**CBMS Issues in Mathematics Education, Volume 7;** 1998; ISBN 0-8218-0882-6; 316 pages; Softcover; All Individuals \$24, List \$40, Order Code CBMATH/7CT99

Recommended Text

#### A Gentle Introduction to Game Theory

Saul Stahl, *University of Kansas, Lawrence*

**Mathematical World, Volume 13;** 1999; ISBN 0-8218-1339-0; 176 pages; Softcover; All AMS members \$20, List \$25, Order Code MAWRDL/13CT99



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