
Reference and Book List

The *Reference* section of the Notices is intended to provide the reader with frequently sought information in an easily accessible manner. New information is printed as it becomes available and is referenced after the first printing. As soon as information is updated or otherwise changed, it will be noted in this section.

Upcoming Deadlines

April 1, 1999: Deadline for applications for AWM Mentoring Travel Grants (see page 473 this issue). For more information: telephone 301-405-7892, e-mail awm@math.umd.edu.

April 5, 1999: Deadline for submission of proposals for Short-Term Project Development Grants from the Office of International Affairs of the National Research Council. For more information, contact the Office of International Affairs, National Research Council, 2101 Constitution Avenue, NW (FO 2060), Washington, DC 20418; telephone 202-334-3680; fax 202-334-2614; e-mail ocee@nas.edu; World Wide Web <http://www2.nas.edu/oia/22da.html>.

April 12, 1999: Deadline for proposals for the 2000 NSF-CBMS Regional Conferences. For more information, contact the Conference Board of the Mathematical Sciences, 1529 18th Street, NW, Washington, DC 20036; telephone 202-293-1170; fax 202-265-2384; World Wide Web

<http://www.maa.org/cbms/nsf/2000nsf.html>; e-mail kolbe@math.georgetown.edu or rosier@math.georgetown.edu. See also the announcement of the upcoming NSF-CBMS Regional Conferences, to be held in the summer of 1999, which appeared in the February 1999 *Notices*.

April 16, 1999: Deadline for applications for Project NExT Fellowships. For more information, see the Project NExT home page (<http://archives.math.utk.edu/projnext/>), or con-

tact one of the following: T. Christine Stevens (Director, Project NExT), Department of Mathematics and Computer Science, Saint Louis University, 221 North Grand Blvd., St. Louis, MO 63103; telephone 314-977-2444; e-mail stevensc@slu.edu; Joseph Gallian (Codirector), Department of Mathematics and Statistics, University of Minnesota-Duluth, Duluth, MN 55812; telephone 218-726-7576; e-mail jgallian@d.umn.edu; or Aparna Higgins (Codirector), Depart-

Where to Find It

A brief index to information that appears in this and previous issues of the *Notices*.

AMS e-mail addresses
November 1998, p. 1369

AMS Ethical Guidelines
June 1995, p. 694

AMS officers and committee members
October 1998, p. 1209

Board on Mathematical Sciences
April 1999, p. 479

Bylaws of the American Mathematical Society
November 1997, p. 1339

Classification of degree-granting departments of mathematics
January 1997, p. 48

Mathematical Sciences Education Board and Staff
May 1998, p. 632

Mathematics Research Institutes contact information
May 1997, p. 598

National Science Board
March 1999, p. 361

NSF Mathematical and Physical Sciences Advisory Committee
March 1999, p. 362

Officers of the Society 1997 and 1998 (Council, Executive Committee, Publications Committees, Board of Trustees)
May 1998, p. 625

Program officers for federal funding agencies (DoD, DoE, NSF)
October 1998, pp. 1182-1184, February 1999, p. 244

ment of Mathematics, University of Dayton, Dayton, OH 45469; telephone 937-229-2103; e-mail higgins@saber.udayton.edu.

July 19, 1999: Deadline for proposals for the second VIGRE Grant competition. For more information, consult the NSF Web site at <http://www.nsf.gov/cgi-bin/getpub?nsf9916/>.

July 30, 1999: Deadline for submission of proposals for Long-Term Project Development Grants from the Office of International Affairs of the National Research Council. For more information, contact the Office of International Affairs, National Research Council, 2101 Constitution Avenue, NW (FO 2060), Washington, DC 20418; telephone 202-334-3680; fax 202-334-2614; e-mail ocee@nas.edu; World Wide Web <http://www2.nas.edu/oia/22da.html>.

Board on Mathematical Sciences, National Research Council

John Tucker (Director, BMS), National Academy of Sciences

Robert MacPherson (chair), Institute for Advanced Study

Lynne Billard, University of Georgia

George Casella, Cornell University

Jennifer Chayes, Microsoft Research

Ronald R. Coifman, Yale University

Robert Fefferman, University of Chicago

C. William Gear, NEC Research Institute

Fan Chung Graham, University of Pennsylvania

Dianne P. O'Leary, University of Maryland

Alan S. Perelson, Los Alamos National Laboratory

William R. Pulleyblank, IBM T. J. Watson Research Center

Donald St. P. Richards, University of Virginia

Karen E. Smith, University of Michigan

Daniel W. Stroock, Massachusetts Institute of Technology

DeWitt L. Sumners, Florida State University

Peter J. Bickel (ex officio), University of California, Berkeley

The postal address for BMS is: Board on Mathematical Sciences, National Research Council, 2101 Constitution Avenue, NW, Washington, DC 20418; World Wide Web <http://www2.nas.edu/bms/>.



Book List

The Book List highlights books that have mathematical themes and hold appeal for a wide audience, including mathematicians, students, and a significant portion of the general public. When a book has been reviewed in the Notices, a reference is given to the review. Generally the list will contain only books published within the last two years, though exceptions may be made in cases where current events (e.g., the death of a prominent mathematician, coverage of a certain piece of mathematics in the news) warrant drawing readers' attention to older books. Suggestions for books to include on the list may be sent to the Managing Editor, e-mail: notices@ams.org.

Abraham Robinson: The Creation of Nonstandard Analysis, a Personal and Mathematical Odyssey, by Joseph Warren Dauben. Princeton University Press, 1998. ISBN 0-691-05911X.

The Algorithmic Beauty of Sea Shells (Virtual Laboratory), by Hans Meinhardt, Przemyslaw Prusinkiewicz, and Deborah R. Fowler. Springer-Verlag, 1998. ISBN 3-540-63919-5.

The Apprenticeship of a Mathematician, by André Weil, translation by Jennifer Gage, Birkhäuser Boston, 1992. ISBN 0-817-62650-6. (Reviewed in this issue.)

A Beautiful Mind: A Biography of John Forbes Nash, Jr., by Sylvia Nasar, Simon & Schuster, 1998. ISBN 0-684-81906-6. (Reviewed November 1998.)

Challenges, by Serge Lang. Springer-Verlag, 1998. ISBN 0-387-94861-9.

Drawbridge Up: Mathematics—A Cultural Anathema (Zugbrücke ausser Betrieb: Die Mathematik im Jenseits der Kultur), by Hans Magnus Enzensberger. A. K. Peters, 1999. ISBN 1-56881-099-7.

e: The Story of a Number, by Eli Maor. Paperback edition, Princeton University Press, 1998. ISBN 0-691-05854-7.

Fashionable Nonsense: Postmodern Intellectuals' Abuse of Science, by Alan Sokal and Jean Bricmont. English version of *Impostures Intellectuelles* (reviewed August 1998). St. Martin's Press, 1998. ISBN 0-312-19545-1.

The Feynman Processor, by Gerard J. Milburn and Paul Davies. Helix Books, Perseus, 1998. ISBN 0-738-20016-6.

Geometry Civilized: History, Culture, and Technique, by John Heilbron, Oxford University Press, 1998. ISBN 0-19-850078-5.

Goodbye, Descartes: The End of Logic and the Search for a New Cosmology of the Mind, by Keith Devlin. John Wiley & Sons, 1998. ISBN 0-471-14216-6.

An Imaginary Tale: The Story of $\sqrt{-1}$, by Paul J. Nahin. Princeton University Press, 1998. ISBN 0-691-02795-1.

The Jungles of Randomness: A Mathematical Safari, by Ivars Peterson. Paperback edition, John Wiley & Sons, 1998. ISBN 0-471-29587-6.

The Language of Mathematics: Making the Invisible Visible, by Keith Devlin. W. H. Freeman and Company, 1998. ISBN 0-716-73379-X.

Life by the Numbers, by Keith Devlin. John Wiley & Sons, 1998. ISBN 0-471-24044-3.

The Man Who Loved Only Numbers: The Story of Paul Erdős and the Search for Mathematical Truth, by Paul Hoffman. Hyperion, 1998. ISBN 0-786-86362-5. (Reviewed October 1998.)

Mathematical Reasoning: Analogies, Metaphors, and Images, edited by Lyn English. Lawrence Erlbaum Associates. ISBN 0-8058-1979-7.

Mathematics for the Curious, by Peter M. Higgins. Oxford University Press, 1998. ISBN 0-192-88072-1.

Mathematics: From the Birth of Numbers, by Jan Gullberg, Peter

Hilton. W. W. Norton and Company, 1997. ISBN 0-393-04002-X.

Modern Mathematics in the Light of the Fields Medals, by Michael Monastyrsky. AK Peters, 1997. ISBN 1-568-81065-2.

Moral Calculations: Game Theory, Logic, and Human Frailty, by László M \acute{e} ró. Copernicus-Springer Verlag, 1998. ISBN 0-387-98419-4.

My Brain is Open: The Mathematical Journeys of Paul Erdős, by Bruce Schecter. Simon & Schuster, 1998. ISBN 0-684-84635-7.

The Number Devil, by Hans Magnus Enzensberger. Metropolitan Books, 1998. ISBN 0-805-05770-6.

Once Upon a Number: A Mathematician Bridges Stories and Statistics, by John Allen Paulos. Basic Books, 1998. ISBN 0-465-05158-8.

Paul Dirac: The Man and His Work, by Abraham Pais, Maurice Jacob, David Olive, and Michael Atiyah. Cambridge University Press, 1998. ISBN 0-521-58382-9. (Reviewed October 1998.)

Philosophy of Mathematics: An Introduction to a World of Proofs and Pictures, by James Robert Brown, Routledge, 1998. ISBN 0-415-12274-0.

The Pleasures of Counting, by T. W. Körner. Cambridge University Press, 1997. ISBN 0-521-56087-X; 0-521-56823-4. (Reviewed March 1998)

Polyhedra, by Peter Cromwell. Cambridge University Press, 1997. ISBN 0-521-55432-2. (Reviewed September 1998)

Privacy on the Line: The Politics of Wiretapping and Encryption, by Whitfield Diffie and Susan Landau. MIT Press, 1997. ISBN 0-262-04167-7. (Reviewed June/July 1998)

Proofs from the Book, by Martin Aigner and Günter Ziegler. Springer-Verlag, 1998. ISBN 3-540-63698-6.

Randomness, Deborah Bennett. Harvard University Press, 1998. ISBN 0-674-10745-4.

Reasoning with the Infinite: From the Closed World to the Mathematical Universe, by Michel Blay (translated by M. B. DeBevoise). University of Chicago Press, 1998. ISBN 0-226-05834-4.

Strength in Numbers, by Sherman Stein. John Wiley & Sons, 1996. ISBN 0-471-152528-8.

Tracking the Automatic Ant, and Other Mathematical Explorations, by-

David Gale, Springer-Verlag, 1998. ISBN 0-387-98272-8.

The Universe and the Teacup: The Mathematics of Truth and Beauty, by K.C. Cole. Hartcourt Brace, 1998. ISBN 0-151-00323-8. (Reviewed March 1999.)

Visual Explanations—Images and Quantities, Evidence and Narrative, by Edward R. Tufte, Graphics Press, 1997. ISBN 0-961-39212-6. (Reviewed January 1999.)

What is Mathematics, Really?, by Reuben Hersh, Oxford University Press, 1997. ISBN 0-19-511368-3.

Women in Mathematics: The Addition of Difference, by Claudia Henrion. Indiana University Press, 1997. ISBN 0-253-33279-6. (Reviewed May 1998.)

REFERENCE & BOOK LIST