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.*

Contacting the *Notices*

The preferred method for contacting the *Notices* is electronic mail. The editor is the person to whom to send articles and letters for consideration. Articles include feature articles, memorial articles, communications, opinion pieces, and book reviews. The editor is also the person to whom to send news of unusual interest about other people's mathematics research.

The managing editor is the person to whom to send items for "Mathematics People", "Mathematics Opportunities", "For Your Information", "Reference and Book List", and "Mathematics Calendar". Requests for permissions, as well as all other inquiries, go to the managing editor.

The electronic-mail addresses are `notices@math.ou.edu` in the case of the editor and `notices@ams.org` in the case of the managing editor. The fax numbers are 405-325-7484 for the editor and 401-331-3842 for the managing editor. Postal addresses may be found in the masthead.

Information for *Notices* Authors

The *Notices* welcomes unsolicited articles for consideration for publication, as well as proposals for such articles. The following provides general guidelines for writing *Notices* articles and preparing them for submission.

***Notices* readership.** The *Notices* goes to about 30,000 subscribers worldwide, of whom about 20,000 are in North America. Approximately 8,000 of the 20,000 in North America are graduate students who have completed at least one year of graduate school. All readers may be assumed to be interested in mathematics research, but they are not all active researchers.

***Notices* feature articles.** Feature articles may address mathematics, mathematical news and developments, mathematics history, issues affecting the profession, mathematics education at any level, the AMS and its activities, and other such topics of interest to *Notices* readers. Each

Where to Find It

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

AMS Bylaws—*November 2007, p. 1366*

AMS Email Addresses—*February 2008, p. 274*

AMS Ethical Guidelines—*June/July 2006, p. 701*

AMS Officers 2006 and 2007 Updates—*May 2008, p. 629*

AMS Officers and Committee Members—*October 2007, p. 1178*

Conference Board of the Mathematical Sciences—*September 2007, p. 1019*

IMU Executive Committee—*December 2007, p. 1526*

Information for *Notices* Authors—*June/July 2008, p. 723*

Mathematics Research Institutes Contact Information—*August 2007, p. 898*

National Science Board—*January 2008, p. 69*

New Journals for 2006, 2007—*June/July 2008, p. 725*

NRC Board on Mathematical Sciences and Their Applications—*March 2008, p. 401*

NRC Mathematical Sciences Education Board—*April 2008, p. 515*

NSF Mathematical and Physical Sciences Advisory Committee—*February 2008, p. 276*

Program Officers for Federal Funding Agencies—*October 2007, p. 1173 (DoD, DoE); December 2007, p. 1359 (NSF), December 2007, p. 1526 (NSF Mathematics Education)*

Program Officers for NSF Division of Mathematical Sciences—*November 2007, p. 1358*

Stipends for Study and Travel—*September 2007, p. 1022*

article is expected to have a large target audience of readers, perhaps 5,000 of the 30,000 subscribers. Authors must therefore write their articles for nonexperts rather than for experts or would-be experts. In particular, the mathematics articles in the *Notices* are expository. The language of the *Notices* is English.

Most feature articles, including those on mathematics, are expected to be of long-term value and should be written as such. Ideally each article should put its topic in a context, providing some history and other orientation for the reader and, as necessary, relating the subject matter to things that readers are likely to understand. In most cases, articles should progress to dealing with contemporary matters, not giving only historical material. The articles that are received best by readers tend to relate different areas of mathematics to each other.

By design the *Notices* is partly magazine and partly journal, and authors' expository styles should take this into account. For example, many readers want to understand the mathematics articles without undue effort and without consulting other sources.

Mathematics feature articles in the *Notices* are normally six to nine pages, sometimes a little longer. Shorter articles are more likely to be read fully than are longer articles. The first page is 400 or 500 words, and subsequent pages are about 800 words. From this one should subtract an allowance for figures, photos, and other illustrations, and an appropriate allowance for any displayed equations and any bibliography.

Form of articles. Except with very short articles, authors are encouraged to use section headings and subsection headings to help orient readers. Normally there is no section heading at the beginning of an article. Despite the encouraged use of internal headings, the assigning of numbers to sections and subsections is not permitted in any article.

The bibliography should be kept short. In the case of mathematics articles, bibliographies are normally limited to about ten items and should consist primarily of entries like books in which one may do further reading. To help readers who might want lists of recent literature, an author might include a small number of recent publications with good bibliographies.

Editing process. Most articles that are destined to be accepted undergo an intensive editing process. The purposes of this process are to ensure that the target audience is as large as practicable, that the content of the article is clear and unambiguous, and that the article is relatively easy to read. Usually it is the members of the editorial board who are involved in this process. Sometimes outside referees are consulted.

Preparation of articles for submission. The preferred form for submitted articles is as electronic files. Authors who cannot send articles electronically may send the articles by fax or by postal mail.

Articles with a significant number of mathematical symbols are best prepared in TEX, LATEX, or $\mathcal{A}\mathcal{M}\mathcal{S}$-TEX. There is no style file for distribution to authors, but upon request, the editor can make available a simple TEX header that simulates the *Notices* two-column format. Since the *Notices* is set in narrow columns, keeping displayed formulas relatively short helps to minimize adjustments during the production process; avoiding nonstandard supplementary files and complex sequences of definitions also helps. For the handling of figures and other illustrations, please consult the editor.

Articles without a significant number of mathematical symbols may be prepared as text files or in Microsoft Word. In the case of files prepared in Microsoft Word, it is advisable to send both the source Word file and a PDF.

Instructions for Authors of "WHAT IS…?" Columns

The purpose of the "WHAT IS…?" column is to provide brief, nontechnical descriptions of mathematical objects in use in current research. The target audience for the columns is first-year graduate students.

Each "WHAT IS…?" column provides an expository description of a single mathematical object being used in contemporary research. Thus "WHAT IS M-Theory?" would be too broad, but "WHAT IS a Brane?" would be appropriate; ideally, "WHAT IS a Brane?" would give a flavor of what M-theory is.

The writing should be nontechnical and informal. The level should be a little higher than the level of popular articles about mathematical developments one finds in magazines like *Science* that are aimed at a general audience.

"WHAT IS…?" columns should be no more than two *Notices* pages (1,400 words with no picture, or 1,200 words with one picture). A list of "Further Reading" should contain no more than three references.

Inquiries and comments about the "WHAT IS…?" column are welcome and may be sent to `notices-whatis@ams.org`.

Upcoming Deadlines

July 1, 2008: Nominations for Dannie Heineman Prize for Mathematical Physics. See "Mathematics Opportunities" in this issue.

July 31, 2008: Nominations for ICTP Ramanujan Prize. See "Mathematics Opportunities" in this issue.

August 1, 2008: Applications for August review for the National Academies Postdoctoral and Senior Research Associateship Programs. See `http://www7.nationalacademies.org/rap/index.html` or contact Research Associateship Programs, National Research Council, Keck 568, 500 Fifth Street, NW, Washington, DC 20001; telephone 202-334-2760; fax 202-334-2759; email: `rap@nas.edu`.

August 15, 2008: Nominations for SASTRA Ramanujan Prize. See "Mathematics Opportunities" in this issue.

August 18, 2008: Applications for NSF Research Experiences for Undergraduates (REU) program sites. See `http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07569`.

September 15, 2008: Nominations for Sloan Research Fellowships. See "Mathematics Opportunities" in this issue.

October 1, 2008: Applications for AWM Travel Grants. See `http://www.awm-math.org/travelgrants.html`; telephone: 703-934-0163; email: `awm@awm-math.edu`; or contact

Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

October 15, 2008: Proposals for NSF Postdoctoral Research Fellowships. See http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5301&org=DMS.

November 1, 2008: Applications for November review for the National Academies Postdoctoral and Senior Research Associateship Programs. See http://www7.nationalacademies.org/rap/index.html or contact Research Associateship Programs, National Research Council, Keck 568, 500 Fifth Street, NW, Washington, DC 20001; telephone 202-334-2760; fax 202-334-2759; email: rap@nas.edu.

New Journals for 2006

Below is a list of mathematical journals appearing for the first time in 2006 (not previously reported in the *Notices*) and in 2007, as compiled by *Mathematical Reviews*. This list, as well as the listings for new journals for other years, can be found on the Web at http://www.ams.org/mathweb/mi-newjs.html.

Advances in Algebra and Analysis. ISSN 0973-2306. UMRI Scientific Vision, Delhi, India. US$120/3 issues/yr. Announced 2006.

Advances in Dynamical Systems and Applications. ISSN 0973-5321 (print and electronic). Research India Publications, Delhi, India. US$180/2 issues/yr. First issue 2006.

Advances in Fuzzy Sets and Systems. ISSN 0973-421X (print and electronic). Pushpa Publishing House, Allahabad, India. US$250/3 issues/yr. First issue February 2006.

Algorithmic Operations Research. ISSN 1718-3235 (print and electronic). Preeminent Academic Facets Inc., Surrey, BC, Canada. US$300/4 issues/yr. First issue 2006.

Fen Dergisi. Journal of Science. ISSN 1306-7575. Sëleyman Demicel Üniversitesi, Isparta, Turkey. Price not listed. First issue 2006.

International Journal of Contemporary Mathematical Sciences. ISSN 1312-7586 (print and electronic). Hikari Ltd., Ruse, Bulgaria. Free of charge. First papers 2006.

International Journal of Mathematics and Analysis. ISSN 0973-3604. Serials Publications, New Delhi, India. US$350/3 issues/yr. First issue 2006.

International Journal of Modern Mathematics. ISSN 1559-3894. Dixie W Publishing Corporation, Montgomery, AL, USA. Price not listed. 2 issues/yr. First issue October 2006.

International Journal of Nonlinear Operator Theory and Applications. ISSN 0973-4376. Serials Publications, New Delhi, India. US$100/yr. First issue 2006.

International Journal of Statistics and Management System. ISSN 0973-7359 (print and electronic). Serials Publications, New Delhi, India. US$150/yr. First issue 2006.

International Review of Fuzzy Mathematics. ISSN 0973-4392. Serials Publications, New Delhi, India. US$250/yr. First issue 2006.

Journal of Applicable Functional Differential Equations. ISSN 0973-3892. Serials Publications, New Delhi, India. US$170/yr. First issue 2006.

Journal of Applied Mathematical Analysis and Applications. ISSN 0973-3884. Serials Publications, New Delhi, India. US$125/yr. First issue 2006.

Journal of Applied Probability and Statistics. ISSN 1930-6792. Dixie W Publishing Corporation, Montgomery, AL, USA. US$100/2 issues/yr. First issue November 2006.

Journal of Cellular Automata. ISSN 1557-5969. Old City Publishing, Philadelphia, PA, USA. US$498/4 issues/yr. First issue 2006.

Journal of Information Assurance and Security. ISSN 1554-1010 (print and electronic). Dynamic Publishers Inc., Atlanta, GA, USA. US$300/4 issues/yr; US$100 personal. First issue March 2006.

Journal of Mathematical Analysis and Approximation. ISSN 0973-5119. Serials Publications, New Delhi, India. US$250/yr. First issue 2006.

JP Journal of Fixed Point Theory and Applications. ISSN 0973-4228 (print and electronic). Pushpa Publishing House, Allahabad, India. US$250/3 issues/yr. First issue 2006.

Mathematical Methods in Economics and Finance. ISSN 1971-6419 (print and electronic). Universitá Ca' Foscari di Venezia, Dipartimento di Matematica Applicata, Venice, Italy. Price unlisted. First issue 2006.

Mathematical Modelling of Natural Phenomena. ISSN 0973-5348 (print and electronic). Research India Publications, Delhi, India. US$130/2 issues/yr. First issue 2006.

Model Assisted Statistics and Applications, an International Journal. ISSN 1574-1699. IOS Press, Amsterdam, Netherlands. US$302/4 issues/yr. First volume 2005-2006.

New Journals for 2007

Advanced Studies in Theoretical Physics. ISSN 1313-1311 (print and electronic). Hikari Ltd., Ruse, Bulgaria. Free of charge. First papers 2007.

Advances in Data Analysis and Classification. ISSN 1862-5347 (print), 1862-5355 (electronic). Springer, Berlin, Germany. US$196.00/3 issues/yr. First issue March 2007.

Albanian Journal of Mathematics. ISSN 1930-1235 (electronic). Albanian Journal of Mathematics, White Lake, MI, USA. US$250/yr institutions, US$100/yr personal/4 issues (starting 2008). First issue March 2007.

Algebra & Number Theory. ISSN 1937-0652 (print). Mathematical Science Publishers, Berkeley, CA, USA. US$180/yr (print and electronic), US$120/yr (electronic only). First issue 2007.

Annals of Applied Statistics. ISSN 1932-6157 (print and electronic). Institute of Mathematical Statistics, Beechwood, OH, USA. Free of charge, 4 issues/yr. First issue June 2007.

Applicable Analysis and Discrete Mathematics. ISSN 1452-8630 (electronic). University of Belgrade, Faculty of Electrical Engineering, Belgrade, Yugoslavia. Free of charge/2 issues/yr. First issue 2007.

Applied Mathematical Sciences. Journal for Theory and Applications. ISSN 1312-8876 (electronic). Hikari Ltd., Ruse, Bulgaria. Free of charge. First papers January 2007.

Applied Mathematics & Information Sciences. ISSN 1935-0090 (print). Dixie W Publishing Corporation, Montgomery, AL, USA. Price not listed/3 issues. First issue January 2007.

Banach Journal of Mathematical Analysis. An International Electronic Journal. ISSN 1735-8787 (online). Banach Mathematical Research Group (BMRG), Mashhad, Iran. Free of charge. First issue 2007.

B. E. Journal of Theoretical Economics. ISSN 1935-1704 (electronic). Berkeley Electronic Press, Berkeley, CA, USA. US$300/yr/1 updated issue. First online issue 2007; content since 2001 available.

Bulletin of Statistics & Economics. ISSN 0973-7033 (online). Centre for Environment, Social & Economic Research, Roorkee, India. US$100/2 issues/yr. First issue 2007.

Communications in Number Theory and Physics. ISSN 1931-4523 (print), 1931-4531 (online). International Press, Somerville, MA, USA. US$593/4 issues/yr. First issue March 2007.

Complex Analysis and Operator Theory. ISSN 1661-6254 (print), ISSN 1661-8262 (electronic). Birkhäuser-Verlag, Basel, Switzerland. US$282/4 issues/yr. First issue 2007.

Electronic Journal of Statistics. ISSN 1935-7524 (electronic). Institute of Mathematical Statistics, Beechwood, OH, USA. Free of charge. First articles 2007.

Foundations and Trends® in Stochastic Systems. ISSN 1551-3106 (print), 1551-3092 (online). Now Publishers Inc., Hanover, MA, USA. US$315/yr. First issue 2007.

IET Control Theory & Applications. (formerly *IEE Proceedings Control Theory & Applications*) ISSN 1751-8644 (print), 1751-8652 (online). Institution of Engineering and Technology (IET), Stevenage, UK. US$1190/6 issues/yr. First issue 2007.

International eJournal of Engineering Mathematics: Theory and Application. International eJournal Publications, Zagazig, Egypt. Price to be announced June 2007.

International Electronic Journal of Algebra. ISSN 1306-6048 (electronic). International Electronic Journal of Algebra, Ankara, Turkey. Free of charge. First papers 2007.

International Journal of Algebra. ISSN 1312-8868 (print and electronic). Hikari Ltd., Ruse, Bulgaria. Free of charge. First papers 2007.

International Journal of Mathematical Analysis. ISSN 1312-8876 (print and electronic). Hikari Ltd., Ruse, Bulgaria. Free of charge. First papers 2007.

International Journal of Mathematical Modeling, Simulation and Applications (IJMMSA). ISSN 0973-8355. Located at Birla Institute of Technology, Ranchi, India. Price not listed. 4 issues/yr. First issue November 2007.

International Mathematical Forum. ISSN 1312-7594 (print and electronic). Hikari Ltd., Ruse, Bulgaria. Free of charge. First papers 2007.

Journal of Biological Dynamics. ISSN 1751-3758 (paper), 1751-3766 (online). Taylor & Francis Ltd., Abingdon, UK. US$360/4 issues/yr. First issue 2007.

Journal of Generalized Lie Theory and Applications. ISSN 1736-5279, E-ISSN 1736-4337. Astralgo Science. Electronic. [URL changed from `http://www.jglta.org/` to `http://www.jglta.astralgo.eu/` in October]

Journal of Ill-Posed and Inverse Problems. ISSN 0928-0219 (print), 1569-3945 (online). Now published by Walter de Gruyter GmbH & Co. KG, Berlin, Germany. €1336/yr/9 issues. Previously 14 volumes with Brill Academic.

Journal of Mathematical Cryptology. ISSN 1862-2976 (print); ISSN 1862-2984 (online). Walter de Gruyter GmbH & Co. KG. Print only or online only €288.00/yr. Print + online €312.00/yr.

Journal of Mathematical Inequalities (print and electronic). Element Publishing House, Zagreb, Croatia. €140/4 issues/yr. First issue 2007.

Journal of Mathematics & Music. Mathematical and Computational Approaches to Music Theory, Analysis, Composition and Performance. ISSN 1745-9745 (electronic), 1745-9737 (paper). Taylor & Francis, London, UK. US$198/3 issues/yr. First issue 2007.

Journal of Nonlinear Functional Analysis and Differential Equations. ISSN 0973-5224 (print). Serials Publications, New Delhi, India. US$150/2 issues/yr. First issue 2007.

Logic and Analysis. ISSN 1863-3617. Springer-Verlag, Vienna, Austria. US$262/yr. First issue 2007.

Logica Universalis. ISSN1661-8297 (print), ISSN 1661-8300 (electronic). Birkhäuser-Verlag, Basel, Switzerland. US$267/2 issues/yr. First issue 2007.

Operators and Matrices. ISSN 0973-421X (print and electronic). Publishing House ELEMENT, Zagreb, Croatia. €200/4 issues/yr. First issue 2007.

Random Operators and Stochastic Equations. ISSN 0926-6364 (print), 1569-397X (online). Now published by Walter de Gruyter GmbH & Co. KG, Berlin, Germany. €898/4 issues/yr. Previously with Brill Academic.

Serdica Journal of Computing. ISSN 1312-6555. Bulgarian Academy of Sciences, Institute of Mathematics and Informatics, Sofia. €96/4 issues/yr. First issue 2007.

TEST. ISSN 1133-0686 (print), 1863-8260 (electronic). Now published by Springer, Berlin, Germany. US$250/3 issues/yr. Previously from Sociedad Española de Stadística e Investigación Operativa, Madrid, Spain.

Book List

The Book List highlights books that have mathematical themes and are aimed at a broad audience potentially including mathematicians, students, and 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* `notices-booklist@ams.org`.

*Added to "Book List" since the list's last appearance.

Alfred Tarski: Life and Logic, by Anita Burdman Feferman and Solomon Feferman. Cambridge University Press, October 2004. ISBN 0-521-80240-7. (Reviewed September 2007.)

Amongst Mathematicians: Teaching and Learning Mathematics at University Level, by Elena Nardi. Springer, November 2007. ISBN-13: 978-0-387-37141-2.

**The Archimedes Codex: How a Medieval Prayer Book Is Revealing the True Genius of Antiquity's Greatest Scientist*, by Reviel Netz and William Noel. Da Capo Press, October 2007. ISBN-13: 978-0-3068-1580-5.

The Artist and the Mathematician: The Story of Nicolas Bourbaki, the

Genius Mathematician Who Never Existed, by Amir D. Aczel. Thunder's Mouth Press, August 2006. ISBN 1-560-25931-0. (Reviewed October 2007.)

Benjamin Franklin's Numbers: An Unsung Mathematical Odyssey, by Paul C. Pasles. Princeton University Press, October 2007. ISBN-13: 978-0-69112-956-3.

Bourbaki, a Secret Society of Mathematicians, by Maurice Mashaal. AMS, June 2006. ISBN 0-8218-3967-5. (Reviewed October 2007.)

The Calculus Wars: Newton, Leibniz, and the Greatest Mathematical Clash of All Time, by Jason Socrates Bardi. Thunder's Mouth Press, April 2007. ISBN-13: 978-1-56025-992-3.

A Certain Ambiguity: A Mathematical Novel, by Gaurav Suri and Hartosh Singh Bal. Princeton University Press, June 2007. ISBN-13: 978-0-691-12709-5. (Reviewed February 2008.)

Descartes: A Biography, by Desmond Clarke. Cambridge University Press, March 2006. ISBN 0-521-82301-3. (Reviewed January 2008.)

**Discovering Patterns in Mathematics and Poetry*, by Marcia Birken and Anne C. Coon. Rodopi, February 2008. ISBN-13: 978-9-0420-2370-3.

Does Measurement Measure Up?: How Numbers Reveal and Conceal the Truth, by John Henshaw. Johns Hopkins University Press, March 2006. ISBN-13: 978-0-8018-8375-0.

Ernst Zermelo: An Approach to His Life and Work, by Heinz-Dieter Ebbinghaus. Springer, April 2007. ISBN-13: 978-3-540-49551-2.

Flatland—The Movie: A Journey of Many Dimensions. Flatworld Productions, 2007. Special Educator Edition DVD, http://store.flatlandthemovie.com. (Reviewed November 2007.)

Fly Me to the Moon: An Insider's Guide to the New Science of Space Travel, by Edward Belbruno. Princeton University Press, January 2007. ISBN-13: 978-0-691-12822-1. (Reviewed April 2008.)

The Great π/e Debate: Which Is the Better Number?, DVD by Colin Adams and Thomas Garrity. Mathematical Association of America, 2007. ISBN 0-88385-900-9.

Group Theory in the Bedroom, and Other Mathematical Diversions, by Brian Hayes. Hill and Wang, April 2008. ISBN-13: 978-0-8090-521-96.

A History of Abstract Algebra, by Israel Kleiner. Birkhäuser, October 2007. ISBN-13: 978-0-8176-4684-4.

How Mathematicians Think: Using Ambiguity, Contradiction, and Paradox to Create Mathematics, by William Byers. Princeton University Press, May 2007. ISBN-13: 978-0-6911-2738-5. (Reviewed December 2007.)

How Round Is Your Circle, by John Bryant and Chris Sangwin. Princeton University Press, January 2008. ISBN-13: 978-0-6911-311-84.

I Am a Strange Loop, by Douglas R. Hofstadter. Basic Books, March 2007. ISBN-13: 978-0-46503-078-1. (Reviewed August 2007.)

The Indian Clerk, by David Leavitt. Bloomsbury USA, September 2007. ISBN-13: 978-1-5969-1040-9.

An Introduction to Gödel's Theorems, by Peter Smith. Cambridge University Press, August 2007. ISBN-13: 978-0-52167-453-9.

Irreligion: A Mathematician Explains Why the Arguments for God Just Don't Add Up, by John Allen Paulos. Hill and Wang, December 2007. ISBN-13: 978-0-8090-591-95.

Karl Pearson: The Scientific Life in a Statistical Age, by Theodore M. Porter. Princeton University Press, (new edition) December 2005. ISBN-13: 978-0-69112-635-7. (Reviewed December 2007.)

The Legacy of Mario Pieri in Geometry and Arithmetic, by Elena Anne Marchisotto and James T. Smith. Birkhäuser, May 2007. ISBN-13: 978-0-8176-3210-6.

Leonhard Euler, a Man to Be Reckoned With, by Andreas K. Heyne and Alice K. Heyne. Birkhäuser, 2007. ISBN-13: 978-3-7643-8332-9. (Reviewed March 2008.)

Making Mathematics Work with Needlework: Ten Papers and Ten Projects, edited by Sarah-Marie Belcastro and Carolyn Yackel. A K Peters, September 2007. ISBN-13: 978-1-56881-331-8.

The Math behind the Music, by Leon Harkleroad. Cambridge University Press, August 2006. ISBN-13: 978-0-521-00935-5.

Math Doesn't Suck: How to Survive Middle-School Math without Losing Your Mind or Breaking a Nail, by Danica McKellar. Hudson Street Press, August 2007. ISBN-13: 978-1-5946-3039-2.

Mathematical Mind-Benders, by Peter Winkler. A K Peters, August 2007. ISBN-13: 978-1-5688-1336-3.

The Mathematician's Brain, by David Ruelle. Princeton University Press, July 2007. ISBN-13: 978-0-691-12982-2.

Mathematics at Berkeley: A History, by Calvin C. Moore. A K Peters, February 2007. ISBN-13: 978-1-5688-130-28.

**Measuring the World*, by Daniel Kehlmann. Pantheon, November 2006. ISBN 0-375-42446-6. (Reviewed in this issue.)

The Millennium Prize Problems, edited by James Carlson, Arthur Jaffe, and Andrew Wiles. AMS, June 2006. ISBN-13: 978-0-8218-3679-8.

The Mind of the Mathematician, by Michael Fitzgerald and Ioan James. Johns Hopkins University Press, May 2007. ISBN-13: 978-0-8018-8587-7.

More Mathematical Astronomy Morsels, by Jean Meeus. Willmann-Bell, 2002. ISBN 0-943396-743.

More Sex Is Safer Sex: The Unconventional Wisdom of Economics, by Steven E. Landsburg. Free Press, April 2007. ISBN-13: 978-1-416-53221-7. (Reviewed in this issue.)

Mr. Hopkins' Men: Cambridge Reform and British Mathematics in the 19th Century, by Alex D. D. Craik. Springer, February 2007. ISBN-13: 978-1-8480-0132-9.

Music and Probability, by David Temperley. MIT Press, January 2007. ISBN-13: 978-0-262-20166-7.

Music: A Mathematical Offering, by David J. Benson. Cambridge University Press, December 2006. ISBN-13: 978-0-521-61999-8.

New Theories of Everything, by John D. Barrow. Oxford University Press, July 2007. ISBN-13: 978-0-192-80721-2.

**Number Story: From Counting to Cryptography*, by Peter M. Higgins. Springer, February 2008. ISBN-13: 978-1-8480-0000-1

The Numbers behind NUMB3RS: Solving Crime with Mathematics, by Keith Devlin and Gary Lorden. Plume, August 2007. ISBN-13: 978-0-4522-8857-7.

Perfect Figures: The Lore of Numbers and How We Learned to Count, by

REFERENCE & BOOK LIST

Bunny Crumpacker. Thomas Dunne Books, August 2007. ISBN-13: 978-0-3123-6005-4.

The Poincaré Conjecture: In Search of the Shape of the Universe, by Donal O'Shea. Walker, March 2007. ISBN-13: 978-0-8027-1532-6. (Reviewed January 2008.)

Poincaré's Prize: The Hundred-Year Quest to Solve One of Math's Greatest Puzzles, by George Szpiro. Dutton Adult, June 2007. ISBN-13: 978-0-525-95024-0. (Reviewed January 2008.)

The Presidential Election Game, by Steven J. Brams. A K Peters, December 2007. ISBN-13: 978-1-5688-134-86.

The Probability of God: A Simple Calculation That Proves the Ultimate Truth, by Stephen D. Unwin. Three Rivers Press (October 26, 2004). ISBN-13: 978-1-4000-5478-7. (Reviewed February 2008.)

The Pythagorean Theorem: A 4000-Year History, by Eli Maor. Princeton University Press, May 2007. ISBN-13: 978-0-69112-526-8.

**Random Curves: Journeys of a Mathematician*, by Neal Koblitz. Springer, December 2007. ISBN-13: 978-3-5407-4077-3.

Solving Mathematical Problems: A Personal Perspective, by Terence Tao. Oxford University Press, September 2006. ISBN-13: 978-0-199-20560-8.

Super Crunchers: Why Thinking-by-Numbers Is the New Way to Be Smart, by Ian Ayres. Bantam, August 2007. ISBN-13: 978-0-5538-054-06.

Superior Beings: If They Exist, How Would We Know? Game-Theoretic Implications of Omnipotence, Omniscience, Immortality, and Incomprehensibility, by Steven Brams. Springer, second edition, November 2007. ISBN-13: 978-0-387-48065-7. (Reviewed February 2008.)

**The Symmetries of Things*, by John H. Conway, Heidi Burgiel, and Chaim Goodman-Strauss. A K Peters, May 2008. ISBN-13: 978-1-5688-1220-5.

**Symmetry: A Journey into the Patterns of Nature*, by Marcus du Sautoy. Harper, March 2008. ISBN-13: 978-0-0607-8940-4.

Thinking about Gödel and Turing: Essays on Complexity, 1970–2007, by Gregory J. Chaitin. World Scientific, August 2007. ISBN-13: 978-9-8127-0895-3.

The Triumph of Numbers: How Counting Shaped Modern Life, by I. B. Cohen. W. W. Norton, July 2006. ISBN-13: 978-0-393-32870-7. (Reviewed December 2007.)

The Trouble with Physics: The Rise of String Theory, the Fall of a Science, and What Comes Next, by Lee Smolin. Joseph Henry Press, October 2006. ISBN 0-309-10192-1. (Reviewed September 2007.)

Unknown Quantity: A Real and Imaginary History of Algebra, by John Derbyshire. Joseph Henry Press, May 2006. ISBN 0-309-09657-X. (Reviewed May 2008.)

Useless Arithmetic: Why Environmental Scientists Can't Predict the Future, by Orrin Pilkey and Linda Pilkey-Jarvis. Columbia University Press, February 2007. ISBN 0-231-13212-3. (Reviewed April 2008.)

The Volterra Chronicles: The Life and Times of an Extraordinary Mathematician, by Judith R. Goodstein. AMS, February 2007. ISBN-13: 978-0-8218-3969-0. (Reviewed March 2008.)

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