

THE MATHEMATICAL INTELLIGENCER

CONTENIDO

VOLUME 31 No. 3, 2009

ARTICLES

- 13 **The Continuing Story of Zeta.**
There is always something new to learn about this function.
Graham Everest, Christian Röttger, and Tom Ward.
- 18 **The Elementary Proof of the Prime Number Theorem.**
A goal which had seemed impossible was attained in a brief dialogue — but almost at once the triumph was clouded by contention.
Joel Spencer and Ronald Graham.
- 32 **A Mathematical Analysis of the Sleeping Beauty Problem.**
Even after you have cleansed the Monty Hall Problem and Bertrand's Paradox of all mystery, you may still find some mystery here.
Jeffrey S. Rosenthal.
- 9 **Poem.**
A Nightmare Seminar.
Kenneth Falvoner.

DEPARTMENTS

- 1 **Notes.**
Lovely Math Wedding Cakes.
Pavel Pyrih.
- 4 **Viewpoint**
The Role of the Untrue in Mathematics.
Chandler Davis.
- 10 **Mathematical Bent.**
Happiness is a Warm Theorem.
Colin Adams.
- 24 **Years Ago.**
Mathematical Quiz: A Friendship of Lasting Value.
David E. Rowe.
- 25 **Mathematical Communities.**
Geometry of Numbers in Vienna.
Chuanming Zong.

- 31 **Mathematical Entertainments.**
Elementary Surprises in Projective Geometry.
Richard Evan Schwartz and Serge Tabachnikov.
- 38 **The Mathematical Tourist.**
Gaussian Integral Puzzle.
Hirokazu Iwasawa.
- 42 **The Mathematical Tourist.**
On Picturing the Past: Arithmetic and Geometry as Wings of the Mind.
Volker R. Remmert.

REVIEWS

- 48 Complexities. Women in Mathematics.
Edited by *Betty Ann Case and Anne M. Leggett.*
Reviewed by *Marianne Korten.*
- 50 Yesterday and Long Ago.
V.I. Arnold, translated by Leonora P. Kotova and Owen L. deLange.
Reviewed by *Roger Cooke.*
- 53 Episodes in the History of Modern Algebra (1800-1950).
Edited by *Jeremy J. Gray and Karen hunger Parshall.*
Reviewed by *Tony Crilly.*
- 57 The Double Twist: From Ethnography to Morphodynamics.
Edited by *Pierre Maranda.*
The Artist and the Mathematician: The Story of Nicolas Bourbaki, the
Genius Mathematician Who Never Existed.
Amir D. Aczel.
Reviewed by *Osmo Pekonen.*
- 62 Mathematics and Democracy: Designing Better voting and Fair Division
Procedures.
Steven J. Brams.
Reviewed by *Jonathan K. Hodge.*
- 64 A Beautiful Math: John Nash, Game Theory, and the Modern quest for a
Code of Nature
Tom Siegfried.
Reviewed by *Sanford Segal.*
- 65 Does Measurement Measure Up? How Numbers Reveal and Conceal the
Truth.
John M. Henshaw.
Reviewed by *Eric Grunwald.*
- 67 Number and Numbers.
Alain Badiou, translated by Robin Mackay.

Reviewed by *Rueben Hersh*.

STAMP CORNER.

70

Swiss Mathematics.
Gerhard Müller.

ON THE COVER:

History's Silent Witness.

A friend of both the principals in a famous rupture!

See pp. 18-23.