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# Mathematics People

## Humboldt Foundation Awards

The Alexander von Humboldt Foundation of Germany has announced special awards for 2001.

### Wolfgang Paul Award: Marc Levine

Fourteen researchers and scholars from outside of Germany have received Wolfgang Paul Awards of up to DM 4.5 million (about US\$2 million) each to carry out research in Germany. Among the awardees is one mathematician, MARC LEVINE of Northeastern University.

Levine received his doctoral degree in 1979 from Brandeis University. He studies a mixture of algebraic geometry and topology. His work examines the relationships between motivic cohomology, singular cohomology, algebraic K-theory, and topological K-theory. He has worked with Fabien Morel to construct a version of the topological theory of complex cobordism in an algebro-geometric setting. Levine plans to use their construction to better understand the motivic cohomology of varieties. His host institution for the Wolfgang Paul Award will be the Gesamthochschule Essen.

### Sofya Kovalevskaya Prize: Matilde Marcolli

Thirteen researchers have received sums of up to DM 2.25 million (about US\$1 million) under the terms of the Sofya Kovalevskaya Prize. The funds will not only cover the prize-winners' cost of living from 2001 to 2003 but also enable them to set up their own groups of young researchers at research institutes of their choice in Germany. Among the winners of the Kovalevskaya Prize is one mathematician, MATILDE MARCOLLI of the Max-Planck-Institut für Mathematik in Bonn.

Marcolli received her doctoral degree from the University of Chicago in 1997. Her research combines mathematics and theoretical physics. She is mainly interested in non-commutative geometry, hyperbolic geometry, and arithmetic. She works on the development of calibration theories in mirror-image symmetries and the fractal quantum-Hall effect. Her host institution for the

Kovalevskaya Prize is the Max-Planck-Institut für Mathematik in Bonn.

—From Humboldt Foundation announcements

## Aizenman Awarded Brouwer Prize

MICHAEL AIZENMAN of Princeton University has been awarded the 2002 L. E. J. Brouwer Prize of the Dutch Mathematical Society.

The Brouwer Prize is Netherland's most prestigious award in mathematics. It was established shortly after the death of the distinguished Dutch mathematician L. E. J. Brouwer and is awarded every three years. For each award the Society chooses an important field in mathematics; the 2002 award honors the field of mathematical physics. The recipient is awarded a gold medal and presents a lecture at the annual meeting of the Dutch Mathematical Society. The prize will be awarded at the annual meeting of the Society in April 2002.

—From a Dutch Mathematical Society announcement

## Royal Society of Canada Elections

NANCY REID of the University of Toronto has been elected to the Royal Society of Canada. Reid has made many fundamental contributions to the mathematical theory of statistics. She was inducted into the Society in a ceremony in Ottawa, Ontario, in November 2001.

—From a Royal Society of Canada announcement

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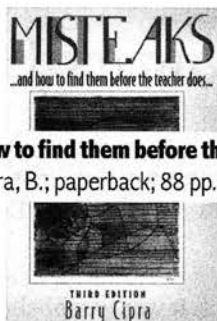
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## Mathematics People

# Rhodes Scholarships Awarded

Four mathematics students are among the thirty-two American men and women chosen as Rhodes Scholars by the Rhodes Scholarship Trust. The Rhodes Scholars were chosen from 925 applicants who were endorsed by 319 colleges and universities in a nationwide competition. The names and brief biographical descriptions of the mathematics scholars follow.

ZACHARIAH R. MILLER of Stoneboro, Pennsylvania, is in his final year at the United States Military Academy, where he ranks second in his class. He won the top award in mathematics, served as company commander for cadet basic training, and served an internship in Azerbaijan. He also captains the Army rugby team. Miller intends to read philosophy, politics, and economics at Oxford University.

SAMUEL W. MALONE of Zebulon, North Carolina, is a senior at Duke University majoring in mathematics and economics. A Goldwater Scholar and National Science Foundation research fellow, he won first place in the international mathematical modeling contest, as well as national awards in mathematics. He is editor in chief of a Duke University journal on science and technology and editor in chief of the *Duke Journal of Economics*. He is involved with Amnesty International and has served as an elementary school tutor. Malone plans to study for the M.Phil. in economics.

WILLIAM B. ROPER JR. of Rutledge, Georgia, received both his B.S. and M.S. in physics from the Georgia Institute of Technology, where he was the winner of the Siemens-Westinghouse Science and Technology Award. A Truman Scholar, Roper founded T-Train, a tutoring program at Georgia Tech, and directed a program for inner-city students. He is a Tae Kwon Do instructor and is a two-time state champion. He will study for the M.Sc. in mathematics and the foundations of computer science.

LILLIAN B. PIERCE of Fallbrook, California, is a senior mathematics major at Princeton University. A Goldwater Scholar ranked first in her class each year at Princeton, she has won many awards for academic excellence. She is co-concertmaster and co-president of the Princeton orchestra and founder and first violinist of the Nassau String Quartet, and she has given concert tours in Europe. Pierce was home schooled until the age of sixteen. She will do graduate research in mathematics at Oxford.

Rhodes Scholarships provide two or three years of study at the University of Oxford in England. The value of the Rhodes Scholarship varies depending on the academic field, the degree (B.A., master's, doctoral), and the Oxford college chosen. The Rhodes Trust pays all college and university fees and provides a stipend to cover students' necessary expenses while in residence in Oxford, as well as during vacations, and transportation to and from England. The total value averages approximately \$28,000 per year.

—From a Rhodes Scholarship Trust announcement