

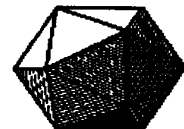
2001 Colorado Mathematics Awards

The 6th annual reception to recognize outstanding performance in national mathematics competitions by Colorado secondary and college students.

Wednesday, May 16, 2001

4:30 – 7:00 p.m.

**Grant-Humphreys Mansion
770 Pennsylvania Street
Denver, Colorado**



Program

4:30 – 5:15 **Refreshments**

5:15 – 6:30 **Welcome:** Dr. Richard Gibbs, Chair, Committee on the American Mathematics Competitions (Mathematical Association of America), and Emeritus Professor of Mathematics, Ft. Lewis College

Recognition of Underwriters: Dr. David Carlson, Resource Analyst, Colorado Department of Agriculture

Remarks: Dr. Margaret Cozzens, Vice President and Chief Academic Officer, Colorado Institute of Technology; introduced by Ms. Mattye Pollard-Cole, Co-Principal Investigator and Teacher Mentor, Colorado Mathematics Middle School Teacher Enhancement Project [COMMSTEP]

Presentation of Awards

- **American Mathematics Contest 8:** presented by Dr. Gibbs
- **Edith May Sliffe Teaching Award Winner:** presented by Dr. Gibbs to Ms. Christine Tschamler, North Middle School, Colorado Springs
- **MATHCOUNTS:** presented by Ms. Roberta Bourn, Executive Director of the Professional Engineers of Colorado, and Colorado MATHCOUNTS Coordinator
- **American Mathematics Contests 10 and 12:** presented by Dr. David Larue, Computing Support Specialist, Colorado School of Mines, and Colorado AMC High School Director
- **AKAMAI-AIME Scholarships:** presented by Dr. Gibbs on behalf of the Akamai Foundation to Mark Pond, Smoky Hill High School, Aurora, and Qinzi Ji, Fairview High School, Boulder
- **Mathematical Contest in Modeling and William Lowell Putnam Mathematical Competition:** presented by Professor Bill Emerson, Department of Mathematics, Metropolitan State College, and Governor, Rocky Mountain Section, Mathematical Association of America

6:30 – 7:00 **Refreshments**

Benefactors (\$1,000 or more)

**The AKAMAI Foundation
American Mathematics Competitions
StorageTek Foundation**

Patrons (\$500 - \$999)

**CH2MHill
Colorado Council of Teachers of
Mathematics
MATHCOUNTS**

Supporters (\$150-\$499)

**Colorado Mathematics, Science and
Technology Education Coalition
[COMSTEC]
Mathematical Association of America
(Rocky Mountain Section)**

Steering Committee: Dr. Richard Gibbs and Dr. David Carlson, co-chairs; Ms. Roberta Bourn; Dr. Annette Cooper, Fort Lewis College, Colorado AMC Junior High School Director; Mr. George Garcia, Senior Bridge Engineer, CH2MHill; Dr. David Larue; Ms. Laura Lefkowitz, K-12 Program Director, Colorado Institute of Technology; Ms. Arlyce Lewis, Executive Director, StorageTek Foundation; Ms. Mattye Pollard-Cole; Dr. OliveAnn Slotta, Secondary Math Specialist, Denver Public Schools; Prof. Lou Talman, Associate Professor, Metropolitan State College of Denver, and Chair, Rocky Mountain Section of the Mathematical Association of America; Ms. Rhonda Wanger, Campus Middle School, Englewood, and President-Elect, Colorado Council of Teachers of Mathematics.

Special thanks to: McKnight Jewelry, Durango; A/V Services, LLC, Denver; Judy Lerner Catering, Denver; and Mr. Daniel Diekmann, Governor's Office.

Contributions and other expressions of support for this annual awards ceremony may be sent to: Dr. Richard A Gibbs, Dept. of Mathematics, Ft. Lewis College, Durango CO 81301-3999. Make checks payable to: Colorado Mathematics Awards.

American Mathematics Contest 8

This 40-minute, 25-question multiple choice examination is given in school on the Tuesday the week before Thanksgiving. Students in 8th grade and below are eligible. In 2000 more than 249,000 students from more than 3,500 schools nationwide participated in the AMC 8. More than 2,500 Colorado students from 41 schools participated. The Colorado Director for the AMC 8 is Ft. Lewis College Mathematics Professor Annette Cooper.

Top Colorado Individual Winners (and Coaches)

- (1) **Mark Heim**, Walt Clark Middle School, Loveland (Rocke Verser)
- (1) **Conner Rogers**, D'Evelyn Jr.-Sr. High School, Golden (Malcolm Campbell)
- (3) **Brenna Powers**, Challenge School, Denver (Rich Morrow)

Honorable Mention (and Coaches)

Brendan Balke, East Middle School, Grand Junction (Larry Allison); **Bryce Herdt**, Washington Irving Middle School, Colorado Springs (Loretta Chandler); **Paul Kim**, North Middle School, Colorado Springs (Christine Tschamler); **Chris Krueger**, **Ryan Whitnah**, Challenge School, Denver (Rich Morrow); **Martin Pool**, Ken Caryl Middle School, Littleton (Chris Lile); **Lynn Sanford**, Campus Middle School, Englewood (Rhonda Wanger); **Robert Wojahn**, Powell Middle School, Littleton (Elizabeth Shelden)

Sixth Grade Honor Roll

Hanna Alpert, Summit Middle School, Boulder (Ingrid Fotino)

MATHCOUNTS

MATHCOUNTS is an after school program for 7th and 8th graders that leads to a series of competitions at school, chapter, state, and national levels. The top four students at the state competition represent their state at the national competition. MATHCOUNTS competitions last approximately three hours and consist of five rounds of written and oral problem-solving activities for individuals and teams. In Colorado, teams of four students from 57 schools participated in 2000-2001. The Colorado Coordinator is Ms. Roberta Bourn, Executive Director of the Professional Engineers of Colorado.

First Place Colorado Team (and Coach)

Suzanne Brenimer, **Allison Conner**, **Conner Rogers**, **Bo Tuerk**, D'Evelyn Jr.-Sr. High School, Golden (Malcolm Campbell). Mr. Campbell coached the Colorado team at the national competition.

Colorado MATHCOUNTS Team (and Coaches)

- (1) **Mark Heim**, Walt Clark Middle School, Loveland (Rocke Verser)
- (2) **Sehyoun Ahn**, Base Line Middle School, Boulder (Bonnie Schneider)
- (3) **Bryce Herdt**, Washington Irving Middle School, Colorado Springs (Loretta Chandler)
- (4) **Conner Rogers**, D'Evelyn Jr.-Sr. High School, Golden (Malcolm Campbell)

Honorable Mention (and Coaches)

Brendan Balke, East Middle School, Grand Junction (Larry Allison); **Shane Mello**, Rifle Middle School (Steve Chesley); **Paul Niewoonder**, Prairie Middle School (James Newell, Jr.); **Martin Pool**, Ken Caryl Middle School, Littleton (Chris Lile); **Andrew Scacco**, Laredo Middle School, Aurora (Chuck Whalen and Nicole McKibbin); **Nick Taylor**, North Middle School, Colorado Springs (Christine Tschamler)

American Mathematics Contests 10 and 12

These 75-minute, 25-question multiple choice contests are given simultaneously in school on the Tuesday before Presidents' Day holiday. Students in 10th grade or below are eligible for AMC 10; students in 12th grade or below are eligible for AMC 12. In 2001, over 385,000 students from 5,200 schools nationwide participated in the AMC 10 and 12. In Colorado, more than 4,000 students from 56 schools participated. The Colorado Director for the AMC 10 and 12 is Dr. David Larue, Colorado School of Mines.

AMC 10--Top Colorado Individual Winners (and Coaches)

- (1) **Bryce Herdt**, William Mitchell High School, Colorado Springs (Anne Thrasher)
- (2) **Mark Heim**, Thompson School District, Loveland (Dave Huffman)
- (3) **Jay Zolle**, Arapahoe High School, Littleton (Mary Habas)

AMC 10--Honorable Mention (and Coaches)

Megan Podlogar, Monarch High School, Louisville (Jill Long); **Isaac Ravishankara**, **Michael Rodgers**, **Jenny Rood**, **Kenji Yoshida**, Fairview High School, Boulder (Carla Berley); **Helen Sculthorpe**, Arapahoe High School, Littleton (Mary Habas), **Yiming Wang**, Boulder High School (Melissa Warfield)

AMC 12--Top Colorado Individual Winners (and Coaches)

- (1) **Timothy Tsai**, Cherry Creek High School, Englewood (Norm Liden)
- (2) **Mark Pond**, Smoky Hill High School, Aurora (Jim Clark); took USA Mathematical Olympiad exam May 1.
- (3) **Robert Frohardt**, George Washington High School, Denver (Steven Kaeuper)
- (3) **Galen Pickard**, Poudre High School, Ft. Collins (Jeff Davis)

AMC 12--Top Colorado Team (and Coach)

Nicholas Hall, **James Keating**, **Timothy Tsai**; Cherry Creek High School (Norm Liden)

AMC 12--Honorable Mention (and Coaches)

Jonathan Beall, Boulder High School (Melissa Warfield); **Nick Bryner**, Fairview High School, Boulder (Carla Berley); **Nicholas Hall**, **James Keating**, Cherry Creek High School, Englewood (Norm Liden); **Thomas Horn**, Arapahoe High School, Littleton (Mary Habas); **Sean Smith**, D'Evelyn Jr.-Sr. High School, Golden (Rhonda Jacobson)

AKAMAI-AIME Scholarships: American Invitational Mathematics Examination

This 3-hour, 15-question examination is held six weeks after the AMC 10 and 12 examinations to students who achieve Honor Roll status on either test. In 2001, approximately 10,500 students nationwide qualified for the AIME; 104 Honor Roll students were from Colorado. Top scorers are invited to compete in the USA Mathematical Olympiad that selects six students to represent the United States in the International Mathematical Olympiad. This year and next, the Akamai Foundation of Boston is providing \$1,000 scholarships to the top male and female scorers in each state. The Akamai Foundation was established by Akamai Technologies and funded by Akamai executives and employees. Akamai is a high technology firm that helps well-known companies by optimizing Internet performance.

2001 Scholarship winners: **Mark Pond**, Smoky Hill High School, Aurora; and **Qinzi Ji**, Fairview High School, Boulder.

International Mathematical Contest in Modeling

This is a team contest for college undergraduates held in mid-February. Each team of three undergraduate students works from midnight on Thursday through 5 p.m. the following Monday, using applied mathematics to solve the team's choice of one of three real-world problems. This year, 496 teams from 11 countries submitted solutions; 11 teams from seven Colorado colleges and universities participated. The Mathematical Association of America is one of the sponsoring organizations.

Top Colorado Teams (and Coaches)—Meritorious Ranking

John Boyd, **David Henze**, **Peeter Meos**, U.S. Air Force Academy (Prof. Jim West)

James Barron, **Jill Kamienski**, **Olivia Koski**, U. of Colorado—Boulder (Prof. Bengt Fornberg & Prof. Anne Dougherty)

William Lowell Putnam Mathematical Competition

This competition is a six-hour examination of 12 essay questions for college undergraduates given on campuses in December. In 2000, more than 2,800 students from 430 institutions participated, including students from ten Colorado colleges and universities.

Top Colorado Individual Winners (and Coaches)

- (1) **John Batchelder**, Colorado State University, Ft. Collins (Prof. Richard Osborne)
- (2) **Dima Sinapova**, University of Colorado—Boulder (Prof. Gordon Brown)
- (3) **Douglas Baldwin**, Colorado School of Mines, Golden (Dr. David Larue)
- (3) **Kimberley Brown and Bruce Swihart**, University of Colorado—Boulder (Prof. Gordon Brown)
- (3) **Richard Hasenauer**, Mesa State College, Grand Junction (Prof. Jane Arlich)
- (3) **Paul Hurtado**, University of Southern Colorado, Pueblo (Prof. James Durr)

Top Colorado Team (and Coach)

John Batchelder, **Manfred Georg**, **Paul Orr**, Colorado State University, Fort Collins (Prof. Richard Osborne)