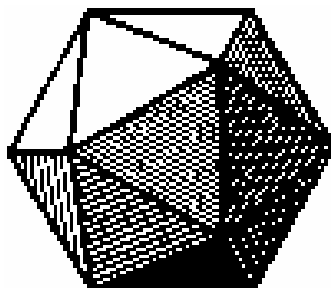


2005 Colorado Mathematics Awards

**The 10th annual reception to recognize outstanding performance
in national and international mathematics competitions
by Colorado middle school, high school, and undergraduate college students.**



Thursday, May 12, 2005

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, CMA Co-Chair and Emeritus Professor of Mathematics, Ft. Lewis College

Recognition of Underwriters: Dr. David Carlson, CMA Co-Chair and President, Resource Analysis, Inc.

Remarks by 10th Anniversary Colorado Mathematics Awardees: Thomas Liu and Josh Cole: introduced by Mr. David Rogers, Rogers Engineering Hydraulics, Inc., Lakewood

Presentation of Awards

- **American Mathematics Contest 8:** presented by Mr. Howard Selbst, Falcon Creek Middle School, Aurora, and Colorado AMC 8 Director
- **Junior High School Edyth May Sliffe Award:** Susan Burmont Whitnah, Challenge School, Denver: recognized by Mr. Selbst
- **MATHCOUNTS:** presented by Mr. Paul Gulman, Professional Engineers of Colorado, and Chair, Colorado MATHCOUNTS Committee
- **American Mathematics Contests 10 and 12:** presented by Dr. David Larue, Colorado School of Mines, and Colorado AMC High School Director
- **International Mathematical Contest in Modeling:** presented by Professor Jeff Berg, Dept. of Mathematics, Arapahoe Community College, Littleton; and Chair, Rocky Mountain Section, Mathematical Association of America
- **Rocky Mountain MAA Section Burton W. Jones Distinguished Teaching Award Recipient,** Professor Brian Shader, University of Wyoming: recognized by Professor Berg
- **William Lowell Putnam Mathematical Competition:** presented by Professor Berg

6:30 – 7:00 Refreshments

Patrons (\$500 - \$999)

American Mathematics Competitions
CH2MHill
Colorado Council of Teachers of Mathematics

Supporters (\$100-\$499)

Professional Engineers of Colorado
Mathematical Association of America
(Rocky Mountain Section)

Steering Committee: Dr. Richard Gibbs and Dr. David Carlson, reception co-chairs; Mr. George Garcia, Vice President, CH2MHill; Mr. Paul Gulman, P.E., NSPE, Professional Engineers of Colorado; Dr. David Larue, Colorado School of Mines, Golden; Ms. Rhonda Naylor, Campus Middle School, Englewood, and Past President, Colorado Council of Teachers of Mathematics; Mr. Howard Selbst, Falcon Creek Middle School, Aurora; Dr. Olive Ann Slotta, Millennium Quest High School, Denver; Prof. Lou Talman, Department of Mathematics, Metropolitan State College of Denver.

Special thanks to: McKnight Jewelry, Durango; Judy Lerner Catering, Denver; Signal Graphics, Denver; and Mr. Nate Strauch, Governor's Office.

Contributions and other expressions of support for this annual awards ceremony may be sent to: Dr. Richard A Gibbs, 4521 CR 203, Durango CO 81301. Make checks payable to: Colorado Mathematics Awards.

Pictures of the students and their teacher-coaches may be viewed on-line at www.mines.edu/amc.

American Mathematics Contest 8

The AMC 8 is a 40-minute 25-question multiple choice contest given in school on the Tuesday the week before Thanksgiving. Students in 8th grade and below are eligible. In 2004, 155,000 students from 2,600 schools nationwide participated in the AMC 8. In Colorado, over 1,800 Colorado students from 34 schools participated.

AMC 8--Top Colorado Individual Winners (and Coaches)

- (1) **Erika Parks**, Craver Middle School, Colorado City (Michael Parks)
- (1) **Spencer Zepelin**, Challenge School, Denver (Sue Whitnah)
- (3) **Amber Verser**, Walt Clark Middle School, Loveland (Bill Siebers)

Honorable Mention (and Coaches)

Brena Adams, Craver Middle School, Colorado City (Michael Parks); **Jeremy Bowlin** and **David Dickson**, West Intergenerational Center, Colorado Springs (Clark Stroh); **Andy Frang**, Conrad Ball Middle School, Loveland (Dana Stoddard); **Michael Morton**, Home School, Rangely (Dave and Carol Morton); **Stephen Whitnah** and **David Wu**, Challenge School, Denver (Sue Whitnah). **Stephen Whitnah was the top sixth grader who took the AMC 8 exam.**

MATHCOUNTS

MATHCOUNTS is an after school program for 7th and 8th graders which leads to a series of competitions at the school, chapter, state, and national levels. The top 4 students at the state competition represent their state at the national competition. A MATHCOUNTS competition lasts approximately 3 hours and consists of 5 rounds involving a combination of individual and team, written and oral problem solving activities. Over 1,100 students from 159 Colorado schools competed in 2004-2005.

First Place Colorado Team

Kyle Mordan, **Stephen Whitnah**, **David Wu**, **Spencer Zepelin**, Challenge School, Denver (Rich Morrow). Mr. Morrow coached the Colorado MATHCOUNTS team (listed below) at the nat'l. competition in Detroit last weekend.

Top Colorado Individual Winners (and Coaches)

- (1) **Amber Verser**, Walt Clark Middle School, Loveland (Rocke Verser)
- (2) **Spencer Zepelin**, Challenge School, Denver (Rich Morrow)
- (3) **Sam Milton**, Cherry Creek West Middle School, Greenwood Village (Paul Wiggins)
- (4) **Scott McClary**, Fort Morgan Middle School (Sheila Fenderson)

Honorable Mention (and Coaches)

Hunter Chase, Stargate Charter School, Thornton, (Scott Christopher), **Benjamin Kunstman**, Southern Hills Middle School, Boulder, (Denise Pearman), **Victor Li**, Summit Middle Charter School, Boulder, (Haydee Phelps), **Bob Lou**, Bear Creek K-8 School, Lakewood, (Robert Kramer), **Anand Natarajan**, Peak To Peak Charter School, Boulder, (Breeann Tonnsen), **Erika Parks**, Craver Middle School, Colorado City, (Michael Parks)

American Mathematics Contests 10 and 12

Each contest is a two 75-minute 25-question multiple choice test with approximately 12 common problems between them. Students in grades 10 and below are eligible for the AMC 10, and students in grades 12 and below are eligible for the AMC 12. The contests given in school on the Tuesday before the President's Day holiday. In 2004 over 225,000 students from over 1,500 schools nationwide participated in the AMC 10 and the AMC 12. Over 1,700 Colorado students from 80 schools participated.

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

- (1) **Bradley Wu**, Cherry Creek High School, Englewood (Michael Berndt)
- (2) **Kevin Black**, George Washington High School, Denver (Stephen Lacks)
- (2) **Thomas Davids**, Boulder High School, Boulder (Melissa Warfield)

AMC 10--Honorable Mention (and Coaches)

Hannah Alpert, Fairview High School, Boulder (Carla Berley); **Anand Natarajan**, Peak to Peak Charter School, Boulder (Breeann Tonnsen); **Erin Noel**, Littleton High School (Vanessa Brady), **Charlie Stoddard**, Steamboat Springs Middle School (Ben Barbier); **Amber Verser**, Walt Clark Middle School, Loveland (Cori Stevens); **Charlie Wilcox**, Boulder High School (Melissa Warfield); **Charles Zheng**, Cherry Creek High School, Englewood (Michael Berndt). **Anand Natarajan was the top eighth grader who took the AMC 10 exam.**

AMC 12—First Place Colorado Team (and Coach)

SeHyoun Ahn, Ryan Hamerly, Tyler Miller, Boulder High School (Melissa Warfield)

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

- (1) **Bryce Herdt**, William Mitchell High School, Colorado Springs (Eric McNeill)
- (2) **Conner Rogers**, D'Evelyn Jr-Sr High School, Golden (Rhonda Jacobson)
- (3) **Andrew Scacco**, Smoky Hill High School, Aurora (Dennis Gournik)

AMC 12--Honorable Mention (and Coaches)

SeHyoun Ahn and **Ryan Hamerly**, Boulder High School (Melissa Warfield); **Sam Elder**, Poudre High School, Fort Collins (Jeff Davis); **Mark Heim**, Thompson Valley High School, Loveland (Lanny Hass); **Benjamin Kurtz**, Wheat Ridge High School (Janet Miller); **Jesse Morse**, George Washington High School, Denver (Stephen Lacks); **Michael Morton**, Rangely High School (Lara Lepie); **Matthew Pevarnik**, Grandview High School, Aurora (Kimberley Mitchell). **Jesse Morse was the top tenth grader who took the AMC 12 exam.**

American Invitational Mathematics Examination and the USA Math Olympiad

The American Invitational Mathematics Examination is a 3-hour 15-question examination with each answer a 3-digit number. Administered in school 6 weeks after the AMC 10, 12 to students achieving Honor Roll status on the AMC 10, 12. In 2005, approximately 12,500 students nationwide qualified for the AIME. There were 187 Honor Roll students from Colorado.

The USA Math Olympiad is a 6-hour 6-question essay examination given in school 5 weeks after the AIME to the top 260 students participating in the AMC 10, 12 and the AIME. The top 6 USAMO students comprise the team that represents the USA at the International Mathematical Olympiad held in July. This year's IMO will be held in Athens. Five students from Colorado qualified to write the 2005 USAMO on April 19-20.

Qualifying Students for the USAMO (and Coaches)

Marshall Carpenter, Fairview High School, Boulder (Carla Berley); **Sam Elder**, Poudre High School, Fort Collins (Jeff Davis); **Jesse Morse**, George Washington High School, Denver (Stephen Lacks); **Conner Rogers**, D'Evelyn Jr-Sr High School, Golden (Rhonda Jacobson); **Andrew Scacco**, Smoky Hill High School, Aurora (Dennis Gournik). **Sam Elder, a 9th grader, did well enough on the USAMO to qualify for the Math Olympiad Summer Program for the top 50 students.**

Mathematical Contest in Modeling

The Mathematical Contest in Modeling is a team contest for undergraduates. The Mathematical Association of America is one of the sponsoring organizations. A team of three students works in mid-February from midnight on a Thursday until 5 p.m. the following Monday, using applied mathematics to solve their choice of one of three real-world problems. In 2005, 644 teams from 10 countries submitted solutions; 16 teams from 8 Colorado colleges and universities participated.

Top Colorado Team (and Coach)—Outstanding Ranking

Brian Camley, Pascal Getreuer, Bradley Klingenberg, U. of Colorado—Boulder (Prof. Anne Dougherty)

'Outstanding' is the highest award level possible. Only 10 of 644 teams worldwide achieved it in 2005!

William Lowell Putnam Mathematical Competition

The William Lowell Putnam Mathematical Competition is a collegiate examination sponsored by the Mathematical Association of America. It is a 6-hour 12-question essay examination given on campus on the first Saturday in December. All undergraduates are eligible. In 2004 over 3,700 students from 515 institutions participated nationwide. Students from 11 Colorado colleges and universities participated.

First Place Colorado Team (and Coach)

Reuben Brasher, Ryan Gardner, Nicholas Hall, U. of Colorado - Boulder (Prof. Gordon Brown)

Top Colorado Individual Winners (and Coaches)

- (1) **Thomas Mark Bailey**, University of Colorado – Boulder (Prof. Gordon Brown)
- (2) **Brian Camley and Ryan Gardner**, University of Colorado – Boulder (Prof. Gordon Brown)
- (2) **Travis King**, Colorado State University, Ft. Collins (Prof. Alexander Hulpke)