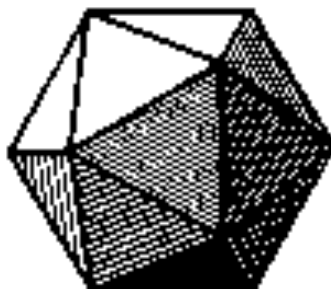


2006 Colorado Mathematics Awards

**The 11th annual reception to recognize outstanding performance
in national and international mathematics competitions
by Colorado middle school, high school, and undergraduate college students.**



Wednesday, May 24, 2006

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: Mr. Bud Ahearn, Vice Chairman, Board of Directors, CH2MHill

Presentation of Awards

- **American Mathematics Contest 8:** presented by Mr. Howard Selbst, Falcon Creek Middle School, Aurora, and Colorado AMC 8 Director
- **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 Jane Arledge, Dept. of Mathematics, Mesa State College, Grand Junction; and Governor, Rocky Mountain Section, Mathematical Association of America
- **Rocky Mountain MAA Section Burton W. Jones Distinguished Teaching Award Recipient, Professor Barbara Moskal, Colorado School of Mines:** recognized by Professor Arledge
- **William Lowell Putnam Mathematical Competition:** presented by Professor Arledge

6:30 – 7:00

Refreshments

Contributors

Patrons (\$500 - \$999)

American Mathematics Competitions
CH2M Hill
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, Greenwood Village, 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 2005, 143,000 students from 2,500 schools nationwide participated in the AMC 8. In Colorado, over 1,500 Colorado students from 27 schools participated.

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

- (1) **Stephen Whitnah**, Challenge School, Denver (Rich Morrow)
- (2) **Peter Eliot**, Challenge School, Denver (Rich Morrow)
- (2) **Louis Tian**, Challenge School, Denver (Rich Morrow)
- (2) **Shuli Song**, Classical Academy, Colorado Springs (Alan Versaw)

Honorable Mention (and Coaches)

Benjamin Alpert, Summit Middle Charter School, Boulder (Silva Chang); **Ranjana Chandramouli**, **Li Ding**, and **Cayla Wood** Challenge School, Denver (Rich Morrow); **Nate Faber** and **Alexander LaTourrette**, Conrad Ball Middle School (Dana Stoddard); **Tae Kim**, Campus Middle School, Greenwood Village (Sandra Evans). **Tae Kim, a sixth grader, was the top student in grade six or below who took the AMC 8 exam.**

MATHCOUNTS

MATHCOUNTS is an after school program for 6th, 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 1,000 students from 159 Colorado schools competed in 2005-2006.

First Place Colorado Team

Benjamin Alpert, **Catherine Chen**, **J.P. Harrington**, **Willis Kuelthau**, Summit Middle Charter School, Boulder (Silva Chang). Ms. Chang coached the Colorado MATHCOUNTS team (listed below) at the nat'l competition May 11-14 in Arlington, Virginia.

Top Colorado Individual Winners (and Coaches)

- (1) **Scott McClary**, Fort Morgan Middle School (Sheila Fenderson)
- (2) **Tom Roberts**, Morey Middle School, Denver (Kevin Yelenik)
- (3) **Margaret Koehler**, Creekside Middle School, Monument (Dawn Klein)
- (4) **Eric Sheeder**, Mandalay Middle School, Westminster (Dana Smith)

Honorable Mention (and Coaches)

Hunter Chase, Stargate Charter School, Thornton (Scott Christopher), **Catherine Chen**, Summit Middle Charter School, Boulder (Silva Chang), **Maya Davis**, Logan School, Denver (Eric Benson), **Matthew Farrell** and **Daniel Gonzales**, Grand Mesa Middle School, Grand Junction (Jeana Atkins), **Nathan Hatch**, Webber Junior High School, Ft. Collins (Kerstin Bruxvoort).

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; students in grades 12 and below are eligible for the AMC 12. The contests are given on the Tuesday before the President's Day holiday. In 2005 approximately 225,000 students from over 1,700 schools nationwide participated in the AMC 10 and AMC 12. Over 1,800 Colorado students from 56 schools participated

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

- (1) **Marshall Carpenter**, Fairview High School, Boulder (Del Ebadi)
- (1) **Sam Elder**, Poudre High School, Fort Collins (Jeff Davis)
- (3) **Amber Verser**, Thompson Valley High School, Loveland (Tom Hanson)

AMC 10--Honorable Mention (and Coaches)

Keegan Boyle, Boulder High School, Boulder (Melissa Warfield); **Peter Chan**, Smoky Hill High School, Aurora (Dennis Gournic); **Thomas Davids** and **Norris Xu**, Fairview High School, Boulder (Del Ebadi), **Michael Morton**, Rangely High School (David Walck); **Charlie Stoddard**, Steamboat Springs High School (Carole Buelter); **Spencer Zeppelin**, Arapahoe High School, Littleton (Carol Blechschmidt). **Benjamin Alpert, a seventh grader, was the top student in grade eight or below who took the AMC 10 exam.**

AMC 12—First Place Colorado Team (and Coach)

Richard Farnsworth, Leonid Ovanessian, Andrew Scacco, Smoky Hill High School, Aurora (Dennis Gournic)

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

- (1) **Andrew Scacco**, Smoky Hill High School, Aurora (Dennis Gournic)
- (2) **Sam Elder**, Poudre High School, Ft. Collins (Jeff Davis)
- (3) **Leonid Ovanessian**, Smoky Hill High School, Aurora (Dennis Gournic)

Elder and Ovanessian, both 10th graders, were the top students in grade 10 or below who took the AMC 12 exam.

AMC 12--Honorable Mention (and Coaches)

Hannah Alpert and Thomas Davids, Fairview High School, Boulder (Del Ebadi); **Sarah Hoffman**, Cherry Creek High School, Englewood (Michael Berndt); **Andrew Jewett and Adam Pevarnik**, Grandview High School, Aurora (Kimberly Mitchell); **Seth O'Brien**, Monarch High School, Louisville (Dan Felknor); **Conner Rogers, D'Evelyn Jr.-Sr.** High School, Golden (Rhonda Jacobson).

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 and 12 exams to students achieving Honor Roll status on the AMC 10 or 12 exams. In 2006, approximately 18,000 students nationwide qualified for the AIME. There were 166 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 and 12 exams 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 Slovenia. Four students from Colorado qualified to write the 2006 USAMO on April 18-19.

Qualifying Students for the USAMO (and Coaches)

Marshall Carpenter, Fairview High School, Boulder (Del Ebadi); **Sam Elder**, Poudre High School, Ft. Collins (Jeff Davis); **Andrew Scacco**, Smoky Hill High School, Aurora (Dennis Gournic); **Charlie Stoddard**, Steamboat Springs High School (Carole Buelter).

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 2006, solutions were submitted by 748 teams, including several from other countries.

Top Colorado Team (and Coach)—Outstanding Ranking

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

'Outstanding' is the highest award level possible. Only 11 of 748 teams worldwide achieved it in 2006. Remarkably, the same team members also received an 'Outstanding' rating in both 2004 and 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 2005 over 3,500 students from 500 institutions participated nationwide. Students from 10 Colorado colleges and universities participated.

First Place Colorado Team (and Coach)

Elizabeth Delk, Ben Joeris, Jonathan Troup, Colorado State University, Ft. Collins (Prof. Alexander Hulpke)

Top Colorado Individual Winners (and Coaches)

- (1) **Ben Joeris**, Colorado State University, Ft. Collins (Prof. Alexander Hulpke)
- (2) **Kyle Thayer**, Colorado State University, Ft. Collins (Prof. Alexander Hulpke)
- (3) **Mark Bailey, Brian Camley Michael Ruston, Charles Shannon** U. of Colorado – Boulder (Prof. Gordon Brown)
- (3) **Bethany Springer**, Colorado State University, Ft. Collins (Prof. Alexander Hulpke)