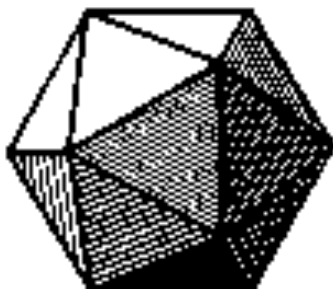


# **2007 Colorado Mathematics Awards**

**The 12th annual reception to recognize outstanding performance  
in national and international mathematics competitions  
by Colorado middle school, high school, and undergraduate college students.**



**Tuesday, May 15, 2007**

**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 Prof. of Mathematics, Ft. Lewis College

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

Remarks: Ms. Angela Howard, Engineer Intern, Rothberg, Tamburini, and Winsor, Inc., Colorado Springs

### Presentation of Awards

- **American Mathematics Contest 8:** presented by Mr. Howard Selbst, Falcon Creek Middle School, Aurora, and Colorado AMC 8 Director
- **Edyth May Sliffe Award recipients:** Sandra Evans, Campus Middle School, Englewood; and Cheryl Gillpatrick, Conrad Ball Middle School, Loveland; 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
- **American Regions Mathematics League Colorado Team:** presented by Ms. Silva Chang, Director, Colorado Math Circle, Boulder
- **International Mathematical Contest in Modeling:** presented by Professor Mike Brilleslyper, Dept. of Mathematics, U.S. Air Force Academy, and Chair, Rocky Mountain Section, Mathematical Association of America
- **Rocky Mountain MAA Section Burton W. Jones Distinguished Teaching Award recipient,** Professor Lynne Ipina, University of Wyoming; recognized by Professor Brilleslyper
- **William Lowell Putnam Mathematical Competition:** presented by Professor Brilleslyper

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; Ms. Silva Chang, Director, Colorado Math Circle, Boulder; Mr. George Garcia, Vice President, CH2M Hill; Mr. Paul Gulman, P.E., NSPE, Professional Engineers of Colorado; Dr. David Larue, Colorado School of Mines, Golden; Ms. Rhonda Naylor, Campus Middle School (ret.) and Past President, Colorado Council of Teachers of Mathematics, Englewood; Mr. Howard Selbst, Falcon Creek Middle School, Aurora; and Prof. Lou Talman, Department of Mathematics, Metropolitan State College of Denver.

Special thanks to: The Jewelryworks, Durango; Judy Lerner Catering, Denver; Signal Graphics, Denver; and Craig Bannister Governor's Office. **Pictures of the students and their teacher-coaches may be viewed at <http://cma.coloradomath.org>**

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.

## 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 2006, 147,000 students from 2,200 schools nationwide participated in the AMC 8. In Colorado, 2,100 Colorado students from 30 schools participated.

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

- (1) **Benjamin Alpert**, Summit Middle Charter School, Boulder (Ingrid Fotino)
- (1) **Li Ding**, Challenge School, Denver (Rich Morrow)
- (3) **Stephen Whitnah**, Challenge School, Denver (Rich Morrow)

### Honorable Mention (and Coaches)

**Alexander Black, William Edman, Chris Guthrie, and Willis Kuelthau**, Summit Middle Charter School, Boulder (Ingrid Fotino); **Brittany Earle, Raymond Luong, and Margaret Mochel**, Challenge School, Denver (Rich Morrow); **Tae Kim, Sean Kuster, and Connie Liu**, Campus Middle School, Greenwood Village (Sandra Evans); **Casey Ross**, Peak to Peak Charter School, Lafayette (Breeann Tonnsen); **Mason Shorey**, Moore Middle School, Arvada (Cheryl Donnel); **Logan Brock**, Powell Middle School, Littleton (Joelle Hogue). **Logan was the top student in grade 6 or below who took the AMC 8 exam.**

## MATHCOUNTS

MATHCOUNTS is an after school program for 6<sup>th</sup>, 7<sup>th</sup>, and 8th graders which leads to a series of competitions at the school, chapter, state, and national levels. The top five 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. Nearly 40,000 students from 6,100 schools participated in competitions across the country in 2006-2007, including more than 1,000 students from 159 Colorado schools. The national MATHCOUNTS competition was held in Ft. Worth, Texas May 10-13, 2007.

### First Place Colorado Team

**Benjamin Alpert, Alexander Black, Chris Guthrie, and Charles Xu**, Summit Middle Charter School, Boulder (Coaches: Silva Chang, Tom Seibel).

Colorado MATHCOUNTS Team (and Coach) The Colorado team finished in 20<sup>th</sup> place in national competition.

**Chris Guthrie**, Summit Middle Charter School, Boulder (Silva Chang and Tom Seibel); **Tae Kim and Connie Liu**, Campus Middle School, Greenwood Village (Sandra Evans); **Thomas Scheevel**, Redlands Middle School, Grand Junction (Cindy Jobe); **David Thomas**, Cherry Creek Academy, Englewood (Dick Bachmann). Coach: Silva Chang.

### Honorable Mention (and Coaches)

**Benjamin Alpert and Alexander Black**, Summit Middle Charter School, Boulder (Silva Chang, Tom Seibel); **Logan Brock**, Powell Middle School, Littleton (Joelle Hogue); **Neal Urlocker**, Preston Junior High School, Fort Collins (Martha Cranor); **Stephen Whitnah**, Challenge School, Denver (Rich Morrow).

## 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 2007 approximately 225,000 students from more than 4,000 schools nationwide participated in the AMC 10 and AMC 12. Approximately 1,800 Colorado students from 50 schools participated

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

- (1) **Charlie Stoddard**, Steamboat Springs High School (Mike Knezevich)
  - (2) **Benjamin Alpert**, Summit Middle Charter School, Boulder (Ingrid Fotino)
  - (3) **Amber Verser**, Thompson Valley High School, Loveland (Bryan Eisele)
- Benjamin was the top student in grade 8 or below who took the AMC 10 exam.**

### AMC 10--Honorable Mention (and Coaches)

**Albert Brown and Victor Li**, Fairview High School, Boulder (Del Ebadi); **Li Ding**, Challenge School, Denver (Rich Morrow); **Margaret Koehler**, Lewis-Palmer High School, Monument (Kathy Thirkell); **Michael Morton**, Rangely High School (David Walck); **Shuli Song**, Classical Academy, Colorado Springs (Alan Versaw); **Charles Xu**, Summit Middle Charter School, Boulder (Ingrid Fotino).

### AMC 12—First Place Colorado Team (and Coach)

**Hannah Alpert, Marshall Carpenter, Thomas Davids** Fairview High School, Boulder (Del Ebadi).

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

- (1) **Sam Elder**, Poudre High School, Fort Collins (Jeff Davis)
- (2) **Marshall Carpenter**, Fairview High School, Boulder (Del Ebadi)
- (3) **Bradley Wu**, Cherry Creek High School, Englewood (Michael Berndt)

### AMC 12--Honorable Mention (and Coaches)

**Hannah Alpert, Thomas Davids, Victor Li, Jirui Qin**, Fairview High School, Boulder (Del Ebadi); **Benjamin Kurtz**, Wheat Ridge High School (Janet Miller); **Jesse Morse**, George Washington High School, Denver (Stephen Lacks); **Michael Morton**, Rangely High School (David Walck); **Amber Verser**, Thompson Valley High School, Loveland (Bryan Eisele). **Amber was the top student in grade 10 or below 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 and 12 exams to students achieving Honor Roll status on the AMC 10 or 12 exams. In 2007, approximately 8,400 students nationwide qualified for the AIME. There were 84 Honor Roll students from Colorado.

The USA Math Olympiad is a 9-hour 6-question essay examination given to the top 500 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 Hanoi, Vietnam. Eight students from Colorado qualified to write the 2007 USAMO on April 24-25.

### Qualifying Students for the USAMO (and Coaches)

**Hannah Alpert, Marshall Carpenter, and Thomas Davids**, Fairview High School, Boulder (Del Ebadi); **Sam Elder**, Poudre High School, Fort Collins (Jeff Davis); **Charlie Stoddard**, Steamboat Springs High School (Mike Knezevich); **Amber Verser**, Thompson Valley High School, Loveland (Bryan Eisele); **Bradley Wu**, Cherry Creek High School, Englewood (Michael Berndt); **Charles Xu**, Summit Middle Charter School, Boulder (Ingrid Fotino).

## American Regions Mathematics League First Place Team

In 2006, 1700 students from four countries and 32 states formed 115 fifteen-member teams to compete at the national ARML competition. The Colorado team won first place in the B Division, ahead of 80 other teams.

**Hannah Alpert, Marshall Carpenter, Thomas Davids, Victor Li, Norris Xu**, Fairview High School, Boulder; **Sam Elder**, Poudre High School, Fort Collins; **Samuel Galler**, Boulder High School, Boulder; **Benjamin Kurtz**, Wheat Ridge High School; **Jesse Morse**, George Washington High School, Denver; **Michael Morton**, Rangely High School; **Charlie Stoddard**, Steamboat Springs High School; **Amber Verser**, Thompson Valley High School, Loveland; **Kyle Wolma**, D'Evelyn Jr.-Sr. High School, Denver. Coaches: Silva Chang and Bradley Alpert.

## 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 2007, solutions were submitted by 949 teams from 12 countries. In Colorado, eight teams from four colleges and universities participated.

### Top Colorado Team (and Coach)—Meritorious Ranking—Ben Fusaro Award Winner

**Benjamin Barrow, Andrew Glugla, and John Shelton**, University of Colorado—Boulder (Prof. Mike Ritzwoller)

## 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 2006 over 3,500 students from 500 institutions participated nationwide. Students from 10 Colorado colleges and universities participated.

### Top Colorado Individual Winners (and Coaches)

- (1) **Benson Joeris**, Colorado State University, Fort Collins, (Prof. Justin Sawon)
- (2) **Andrew Scacco**, University of Colorado—Boulder (Prof. Gordon Brown)
- (3) **Jared Ahrendsen**, University of Colorado—Boulder (Prof. Gordon Brown)