

Press Release

Colorado Science and Engineering Fair

for Colorado students in grades 6 - 12

held

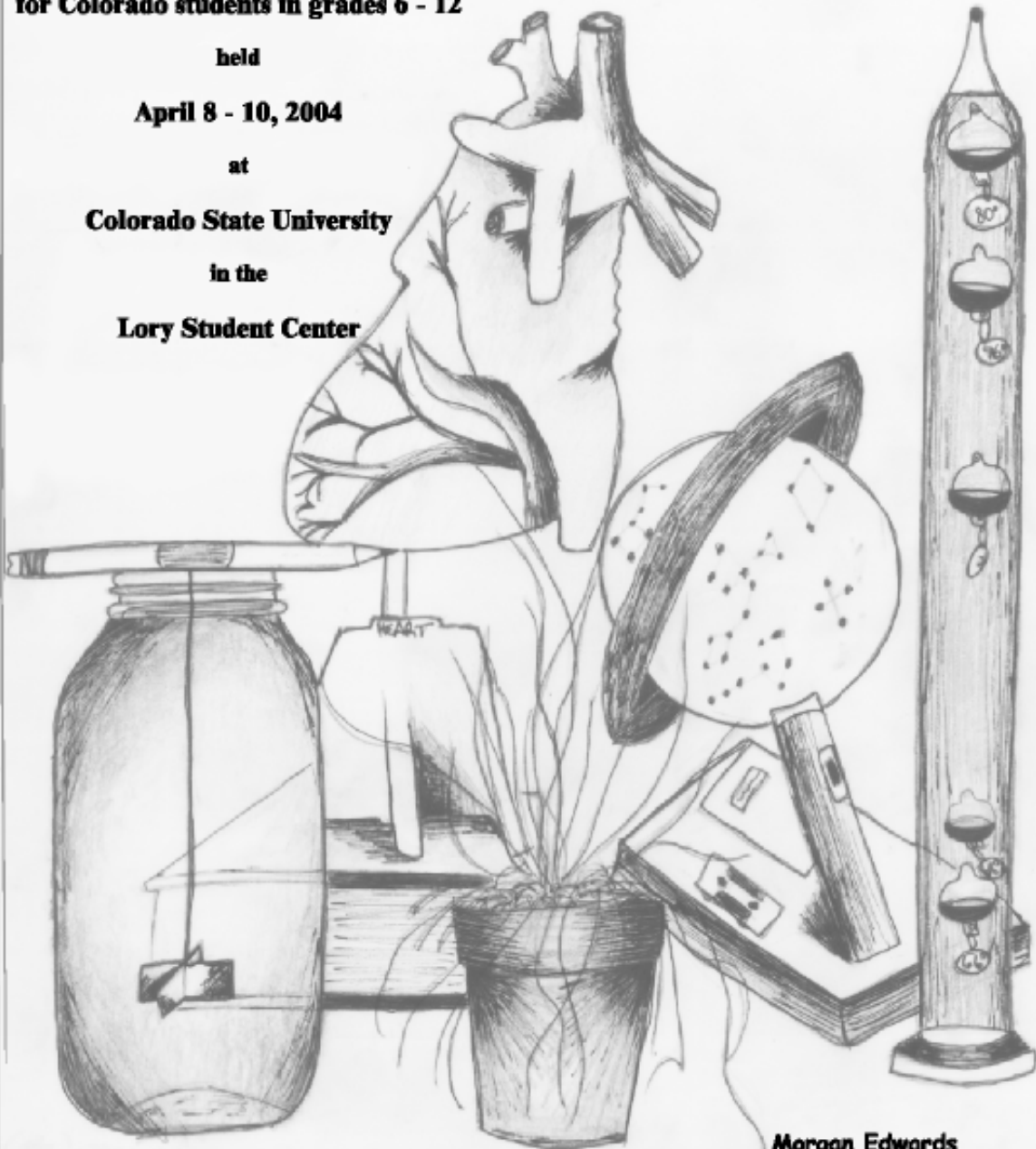
April 8 - 10, 2004

at

Colorado State University

in the

Lory Student Center



**Morgan Edwards
High Country Christian Academy
Colorado Springs, CO**

2004 Colorado Science and Engineering Fair

Grand Awards Press Release

Junior Division Best Individual Projects

First Place	
Kristine Thompson	7 th grade
<i>DAGM: Diabetic Advanced Glucose Monitor: "A Diabetic's Help Is on the Way!"</i>	
West Jefferson Middle School	Conifer
Second Place	
Alex Schnaderbeck	8 th grade
<i>Cottonwoods: Going, Going, Gone?</i>	
Sargent Jr/Sr High School	Monte Vista
Third Place	
Kirk Wilkinson	8 th grade
<i>How's Your Vitamin C Cooking?</i>	
Monte Vista Middle School	Monte Vista

Senior Division Best Individual Projects

First Place	
Balaji Sridhar	11 th grade
<i>Optimization of a Novel Process of Removal of Arsenic Residues from Drinking Water Treatment Sludge</i>	
Cherry Creek High School	Greenwood Village
Second Place	
Craig Wright	12 th grade
<i>Surface Fabrication and Characterization for DNA-Based Biosensors</i>	
Woodlin School	Woodrow
Third Place	
Alex Woods	10 th grade
<i>Real-time Calculation of the Rocket Roll Attitude Using the On-Board Video Camera</i>	
Fairview High School	Boulder

Junior Division Best Team Projects

First Place	
Lucas Mahaffey & Mikaila Way	8 th grade
<i>Methanol in Diet Soda?</i>	
West Jefferson Middle School	Conifer
Second Place	
Brandy Haller & Kelsey Martin	6 th grade
<i>Benevolent Bacillus thuringiensis</i>	
Woodlin School	Woodrow
Third Place	
Dylan Burkesmith & Kyle Brookens	7 th grade
<i>The Perfect House</i>	
Pagosa Springs Junior High School	Pagosa Springs

Senior Division Best Team Projects

First Place	
Graham Anderson	10 th grade
Shervin Rahimpour	11 th grade
<i>Is Free Radical Induced Cell Membrane Destruction Leading to Heart Disease?</i>	
Palmer High School	Colorado Springs
Second Place	
James Cronk	12 th grade
Laura Kaninger	11 th grade
<i>FISHing for Pseudomonas aeruginosa Via Sequencing and RFLP Analysis of 16s ssRNA Genes</i>	
Centaurus High School	Lafayette
Third Place	
Harold Klausner	10 th grade
Darrick Ohr	11 th grade
<i>Mighty Mites: The Effects of Aceria malherbae on Convolvulus arvensis</i>	
Woodlin School	Woodrow

Junior Division Botany

First Place	
Alex Schnaderbeck	8 th grade
<i>Cottonwoods: Going, Going, Gone?</i>	
Sargent Jr/Sr High School	Monte Vista
Second Place	
Kevin Jones	7 th grade
<i>Is Epsom the Answer to Acid Soils? The Effect on Phototropism and Chlorosis</i>	
Merino Jr/Sr High School	Merino
Third Place	
Kaitlyn Lingus	8 th grade
<i>Polymer Proof: Comparing the Effects of Acrylic Polyacrymide Polymers with Other Planting Substances</i>	
Branson School	Branson
Honorable Mention	
Kevin Bailey	7 th grade
<i>Jack and the Bean Shock</i>	
Holy Family Catholic School	Grand Junction

Senior Division Botany

First Place	
Lauren Smith	11 th grade
<i>Treatment of Xanthomonas campestris pv. Vesicatoria Induced Bacterial Blight with UV-altered Phages</i>	
Rampart High School	Colorado Springs

Second Place

Nicole Thomas 12th grade
Evaluating Novel Potato Germplasm for Potato Virus Y
 Sierra Grande Jr/Sr High School Blanca

Third Place

Heather Messick 12th grade
Green Manure vs. Meloidogyne chitwoodi
 Sargent Jr/Sr High School Monte Vista

Team Award Nomination

Harold Klausner 10th grade
 Darrick Ohr 11th grade
Mighty Mites: The Effects of Aceria malherbae on Convolvulus arvensis
 Woodlin School Woodrow

Honorable Mention

Colton Stephenson 11th grade
How Much Dough Is Your Bread Worth?
 Akron High School Akron

Honorable Mention

Morgan Sayles 12th grade
The Reduction of Soil Compaction by the Addition of a Surfactant
 Hi-Plains Jr/Sr High School Seibert

**Junior Division
Chemistry**

First Place

Kirk Wilkinson 8th grade
How's Your Vitamin C Cooking?
 Monte Vista Middle School Monte Vista

Second Place

Cody Caver 8th grade
Investigating the Corrosive Effects of De-Icing Chemicals on Selected Metals
 Woodlin School Woodrow

Third Place

Hannah Mink 7th grade
The Lost Art of Dyeing
 St. Columba Catholic School Durango

Team Award Nomination

Avery Hollingsworth 7th grade
 Brock Curchard 6th grade
Natural Indicators Acid and Base
 Kim School Kim

Honorable Mention

Cody Butero 6th grade
Corrosion
 Bayfield Middle School Bayfield

Honorable Mention

Turin Hansen 7th grade
Smelly Business
 Limon Jr/Sr High School Limon

Honorable Mention

Alison Grady 8th grade
Vitamin C Suffers Heat Stroke
 Summit Middle School Boulder

**Senior Division
Chemistry**

First Place

Craig Wright 12th grade
Surface Fabrication and Characterization for DNA-Based Biosensors
 Woodlin School Woodrow

Second Place

Kenji Yoshida 12th grade
Investigation of Inlet Materials for the Measurement of Atmospheric Ammonia
 Fairview High School Boulder

Third Place

Tyler Keck 10th grade
The Super Absorber: Comparing Sodium polyacrylate to Clay Pellets in Absorbing Metals Out of Water
 Monte Vista High School Monte Vista

Honorable Mention

Nathan Thomsen 11th grade
Density and Radiation Shielding
 The Classical Academy Colorado Springs

**Junior Division
Earth & Space Sciences**

First Place

Daniel Neligh 8th grade
Erosional Investigations
 Rick's Center for Gifted Children Denver

Second Place

Channa Rotenberg 8th grade
Shake Rattle and Roll
 Rocky Mountain Hebrew Academy Denver

Third Place

Rachel Jensen 7th grade
The Dark Force
 Pagosa Springs Junior High School Pagosa Springs

Honorable Mention

Elliot Gacke 8th grade
Tornado Elements
 Bill Reed Middle School Loveland

**Senior Division
Earth & Space Sciences**

First Place

Jade Brooks 12th grade
Hydrophobicity II: The Effects of Forest Fire on Debris Flow
 Sierra Grande Jr/Sr High School Blanca

Second Place
 Tyler Benton 11th grade
Reconstructing Soil Moisture of the Platte Climate Division Using Moisture-Sensitive Tree-Ring Chronologies
 Stratton High School Stratton

Third Place
 Yiming Wang 12th grade
Precipitation Forecast Verification Using 2-Dimensional Wavelet Transformation
 Boulder High School Boulder

Honorable Mention
 Ashley Masoner 12th grade
Comet's Loss of Mass
 Monarch High School Louisville

**Junior Division
Engineering**

First Place
 Kristine Thompson 7th grade
DAGM: Diabetic Advanced Glucose Monitor: "A Diabetic's Help Is on the Way!"
 West Jefferson Middle School Conifer

Second Place
 Jeffrey Goodrich 8th grade
First Electric R/C VTOL Airplane: Will It Fly?
 Orchard Mesa Middle School Grand Junction

Third Place
 Daniel Smith 8th grade
Looney Tunes ®
 Rocky Mountain Hebrew Academy Denver

Team Award Nomination
 Dylan Burkesmith & Kyle Brookens 7th grade
The Perfect House
 Pagosa Springs Junior High School Pagosa Springs

Honorable Mention
 Alison Ferris 8th grade
Fast Food Fuel
 Summit Middle School Boulder

Honorable Mention
 Julia Nell 7th grade
Lights, Sound, Stop!
 Pagosa Springs Middle School Pagosa Springs

Honorable Mention
 Timothy Schnedier 8th grade
Micropower: Microchips in Miniature Robotics and Other Projects
 Miller Middle School Durango

**Senior Division
Engineering**

First Place
 Adam Sidman 10th grade
Camera Stabilization
 Palmer High School Colorado Springs

Second Place
 Forrest Friesen 9th grade
The Effects of Pre-Stretching on the Performance of Electroactive Polymer Actuators
 Palmer High School Colorado Springs

Third Place
 Tristan Brandenburg 12th grade
Circular Air Vehicles
 Brush High School Brush

Honorable Mention
 Sarah Moll 10th grade
Can You Take the Shakin'?
 La Veta Jr/Sr High School La Veta

**Junior Division
Environmental Sciences**

First Place
 Molly May 8th grade
Saving Energy and Reducing Pollution: The Flow Characteristics of Fluidized Beds
 St. Columba Catholic School Durango

Second Place
 Tessa Nelson 8th grade
Does Man Made Run-Off Cause Stream Invertebrates to "Run Off"?
 Denver School of the Arts Denver

Third Place
 Carmiella Salzberg 8th grade
Bubble Trouble
 Rocky Mountain Hebrew Academy Denver

Team Award Nomination
 Brandy Haller & Kelsey Martin 6th grade
Benevolent Bacillus thuringiensis
 Woodlin School Woodrow

Honorable Mention
 Renee Wooley 7th grade
Are Electromagnetic Fields Making You Feel Shrimpy?
 West Middle School Colorado Springs

Honorable Mention
 AJ Allumbauch 8th grade
Conserve H₂O II
 Ward Middle School Ordway

**Senior Division
Environmental Sciences**

First Place

Balaji Sridhar 11th grade
Optimization of a Novel Process of Removal of Arsenic Residues from Drinking Water Treatment Sludge
Cherry Creek High School Greenwood Village

Second Place

Krishn Khanna 10th grade
Bio-Diesel: The Fuel of the Future
Palmer High School Colorado Springs

Third Place

John Heermann 9th grade
Oil Pollution Solution III: Bioremediation
Haxtun High School Haxtun

Honorable Mention

Melanie Mackes 9th grade
Defensible Space . . . Does It Work?
Blevins Junior High School Fort Collins

Honorable Mention

Beth Hollowed 9th grade
Effects of Malathion ULV: Insecticide Study
Meeker High School Meeker

**Junior Division
Health & Behavioral Sciences**

First Place

Conor May 6th grade
The Effect of Letter Randomization on Reading Comprehension
St. Columba Catholic School Durango

Second Place

Lance Albrandt 7th grade
Soaked to the Bone: Will Soaking Bones in Milk, Vitamin A, and Calcium Effect Their Strength and Density?
Merino Jr/Sr High School Merino

Third Place

Anne Gumina 7th grade
A Possible Treatment for Osteoporosis: The Union of Estrogen with Calcium
Merino Jr/Sr High School Merino

Team Award Nomination

Lucas Mahaffey & Mikaila Way 8th grade
Methanol in Diet Soda?
West Jefferson Middle School Conifer

Honorable Mention

Nick Ludwig 8th grade
I See! Vitamin C!
Turner Middle School Berthoud

Honorable Mention

Sarah Theobald 8th grade
Sing a Song of Scholarship
North Middle School Colorado Springs

Honorable Mention

Ashley Van Uffelen 6th grade
Effect of Color on Memory Retention
Loveland Protestant Reformed Christian School Loveland

Honorable Mention

Daniel Cramer 8th grade
That's So Random!! But Is It?
Rocky Mountain Hebrew Academy Denver

Honorable Mention

Jake Abell 7th grade
Subitizing
Ourey Middle School Ourey

**Senior Division
Health & Behavioral Sciences**

First Place

Courtney Eichengreen 11th grade
Chemotherapy and Phytoestrogen: The Impact of Metabolic Modifiers on Tumor Cell Death
Palmer High School Colorado Springs

Second Place

Weston Brownlee 11th grade
How Much Is Too Much: A Study in Acetaminophen's Effect on the Detoxification of H₂O₂ by Catalase
Frontier Academy Greeley

Third Place

Miri Kornfeld 9th grade
The Effect of N-Acetyl Cysteine, Superoxide Dismutase, and Trolox on the Longevity and Activity of Human Neutrophils
Rocky Mountain Hebrew Academy Denver

Team Award Nomination

Graham Anderson 10th grade
Shervin Rahimpour 11th grade
Is Free Radical Induced Cell Membrane Destruction Leading to Heart Disease?
Palmer High School Colorado Springs

Honorable Mention

Cristina Kinz 12th grade
Obesity and Endothelial Dysfunction
Monarch High School Louisville

**Junior Division
Mathematics & Computer Sciences**

First Place

Christopher Smith 7th grade
A Tactile Navigation Strategy for Walking Robots
Home Schooled Boulder

Second Place

Matt Zubiell 8th grade
Emergency Medical Expert System
 Creekside Middle School Monument

Third Place

Sam Elder 8th grade
What Are Dr. Seuss' Favorite Letters?
 Boltz Junior High School Fort Collins

Senior Division**Mathematics & Computer Sciences****First Place**

Alex Woods 10th grade
*Real-time Calculations of the Rocket Roll Attitude Using
 the On-Board Video Camera*
 Fairview High School Boulder

Second Place

Paul Scott 12th grade
Comparing Statistical Analysis on Microarray Data
 Woodlin School Woodrow

Third Place

James Laff 11th grade
Game Theory: The Mathematics of International Conflict
 George Washington High School Denver

Honorable Mention

Ian Springer 9th grade
*Robotic Security Surveillance: 1st Line of Defense in
 Protecting Your Home or Business*
 Lamar High School Lamar

Junior Division**Microbiology****First Place**

Kara Berg 7th grade
Bacterial Contamination of Restroom Door Handles
 Most Precious Blood Catholic School Denver

Second Place

Mitchell Harryman 7th grade
Is the Drink You Wish Turning Into a Petri Dish?
 Merino Jr/Sr High School Merino

Third Place

Nick Fedorov 8th grade
Native American Remedies vs. The E. coli
 Summit Middle School Boulder

Senior Division**Microbiology****First Place**

Evan Macmillan 12th grade
A Vegan Anti-Bacterial Soap
 Cherry Creek High School Greenwood Village

Second Place

Amanda Parker 11th grade
*Origin of HIV Wildtype Reverants Following 3TC
 Withdrawal*
 Cherry Creek High School Greenwood Village

Third Place

Lauren Wright 11th grade
Catching Some Rays
 Monte Vista High School Monte Vista

Team Award Nomination

James Cronk 12th grade
 Laura Kaningher 11th grade
*FISHing for Pseudomonas aeruginosa Via Sequencing and
 RFLP Analysis of 16s ssRNA Genes*
 Centaurus High School Lafayette

Honorable Mention

Adam Moberly 9th grade
The Life and Death of Waterbed Colonies
 Coronado High School Colorado Springs

Junior Division**Physics****First Place**

J. Raleigh Burt 6th grade
Does Tire Pressure Matter? Fact or Friction
 Sargent Jr/Sr High School Monte Vista

Second Place

Justin Keever 8th grade
Electrolysis: Which Electrode Material Is Best?
 Boltz Junior High School Fort Collins

Third Place

Joshua Cockroft 8th grade
The Light Wave
 Peak to Peak Charter School Lafayette

Team Award Nomination

Andrew King & Christopher Delgado 6th grade
A Kelvin Water Dropper: Making Electrostatic Electricity
 Mountain View Core Knowledge School Canon City

Honorable Mention

William Berdanier 7th grade
Flights of Fancy
 Southern Hills Middle School Boulder

Honorable Mention

Emma Young 6th grade
Optical Fibers
 Mountain Ridge Middle School Colorado Springs

Honorable Mention

Theresa Adams 8th grade
To Escape or Not to Escape
 Summit Middle School Boulder

Honorable Mention

Luke Larson 7th grade
Can a Plasma Be Made with Household Items?
 Lucile Erwin Middle School Loveland

**Senior Division
 Physics**

First Place

Meredith MacGregor 9th grade
*Centigrade 4.0: Turbulent Penetrative Convection in
 Chilled Water*
 Fairview High School Boulder

Second Place

Curtis Larimer 12th grade
*Engineering Magnetic Structures: Linewidth and Field
 Resonance of Terbium-Doped Iron Thin Films*
 Palmer High School Colorado Springs

Third Place

Yunjie Ma 12th grade
Characterization of SQUID Susceptometer
 Cherry Creek High School Greenwood Village

Honorable Mention

Chris Messick 9th grade
*A Study of 2.4 GHz Signal Concentrations from Wireless
 Devices*
 Sargent Jr/Sr High School Monte Vista

Honorable Mention

Amber Henry 12th grade
*The Effects of Bullet Trajectory and Deflection on
 Laminated Glass*
 Hi-Plains Jr/Sr High School Seibert

Honorable Mention

Jessica Bartley 12th grade
Synthetic Spectroscopy of an Electron-Ion System
 Boulder High School Boulder

**Junior Division
 Zoology**

First Place

Chelsea Oden 8th grade
*Avian Response to Predatory and Nonpredatory Mammal
 Silhouettes*
 Monte Vista Middle School Monte Vista

Second Place

Kerry Cavanaugh 8th grade
*The Effectiveness of Bti and Altosid XR in Eliminating
 Culex pipiens pipiens Larvae*
 North Middle School Colorado Springs

Third Place

Taiya Andrews 6th grade
Color Genetics in Netherland Dwarfs
 Miller Middle School Durango

Honorable Mention

Chace Carver 7th grade
*Creatine: Does It Make a Muscle Gain or Create a Brain
 Drain?*
 Merino Jr/Sr High School Merino

Honorable Mention

Angie Tornowski 8th grade
Bug Juice
 Genoa-Hugo School Hugo

**Senior Division
 Zoology**

First Place

Ashley Pollock 9th grade
*Biodegradable Hydrogels as a Simulation for Wildlife
 Vaccines*
 Woodlin School Woodrow

Second Place

Andrew Fritzler 11th grade
*Bioengineered Foods and the Physiological Impact on
 Insects*
 Merino Jr/Sr High School Merino

Third Place

Bridget Schoenekcer 11th grade
The Prevalence of West Nile Antibodies in Equine
 Akron High School Akron

2004 Colorado Science and Engineering Fair Special Awards Press Release

Colorado Science and Engineering Fair

Ralph Desch Memorial Technical Writing Award

Meredith MacGregor 9th grade
 \$100, certificate
 Fairview High School Boulder
Centigrade 4.0: Turbulent Penetrative Convection in Chilled Water

Poster Art Contest

Christina O'Connell
 \$100, certificate
 Hotchkiss High School Hotchkiss

Student Choice Award

Timothy Schnedier 8th grade
 \$50, certificate, trophy
 Miller Middle School Durango
Micropower: Microchips in Miniature Robotics and Other Projects

Adam Sidman 10th grade
 \$50, certificate, trophy
 Palmer High School Colorado Springs
Camera Stabilization

Military

United States Air Force

Air Force ROTC Award

William Berdanier 7th grade
 padfolio, electronic rolodex organizer, certificate, medallion
 Southern Hills Middle School Boulder
Flights of Fancy

Jeffrey Goodrich 8th grade
 padfolio, electronic rolodex organizer, certificate, medallion
 Orchard Mesa Middle School Grand Junction
First Electric R/C VTOL Airplane: Will It Fly?

Alex Woods 10th grade
 padfolio, electronic rolodex organizer, certificate, medallion
 Fairview High School Boulder
Real-time Calculation of the Rocket Roll Attitude Using the On-Board Video Camera

Tristan Brandenburg 12th grade
 padfolio, electronic rolodex organizer, certificate, medallion
 Brush High School Brush
Circular Air Vehicles

United States Army

Ian Springer 9th grade
 \$50 savings bond, certificate
 Lamar High School Lamar
Robotic Security Surveillance: 1st Line of Defense in Protecting Your Home or Business

Krishn Khanna 10th grade
 \$50 savings bond, certificate
 Palmer High School Colorado Springs
Bio-Diesel: The Fuel of the Future

Amber Henry 12th grade
 \$50 savings bond, certificate
 Hi-Plains Jr/Sr High School Seibert
The Effects of Bullet Trajectory and Deflection on Laminated Glass

Adam Sidman 10th grade
 \$50 savings bond, certificate
 Palmer High School Colorado Springs
Camera Stabilization

Danielel Nuding 11th grade
 \$100 savings bond, silver medallion, certificate
 Liberty High School Joes
Is Your Night Vision Polluted?

United States Navy & United States Marine Corps *Office of Naval Research Award*

Kristine Thompson 7th grade
 certificate, medallion
 West Jefferson Middle School Conifer
DAGM: Diabetic Advanced Glucose Monitor: "A Diabetic's Help Is on the Way!"

Timothy Schneider 8th grade
 certificate, medallion
 Miller Middle School Durango
Micropower: Microchips in Miniature Robotics and Other Projects

Luke Larson 7th grade
 certificate, medallion
 Lucile Erwin Middle School Loveland
Can a Plasma Be Made with Household Items?

Carrie Kreimier 9th grade
 \$75 gift certificate, certificate, medallion
 Rifle High School Rifle
More to Reading than Meets the Eye

Ashley Pollock 9th grade
 \$75 gift certificate, certificate, medallion
 Woodlin School Woodrow
Biodegradable Hydrogels as a Simulation for Wildlife Vaccines

Curtis Larimer 12th grade
 \$75 gift certificate, certificate, medallion
 Palmer High School Colorado Springs
Engineering Magnetic Structures: Linewidth and Field Resonance of Terbium-Doped Iron Thin Films

Organizational

Agilent Technologies

Erin Hubl 8th grade
handheld digital voltmeter
West Middle School Colorado Springs
Solar Solutions

American Association of University Women

Emily Rotbart 8th grade
\$100
Rocky Mountain Hebrew Academy Denver
Battle of the Sexes: The Effect of Gender and Age on Learning and Retention

American Chemical Society Colorado Local Section

Justin Garoutte 8th grade
\$100, certificate
Centauri Middle School La Jara
Soiled-A-Way

Craig Wright 12th grade
\$100, certificate
Woodlin School Woodrow
Surface Fabrication and Characterization for DNA-Based Biosensors

American Institute of Chemical Engineers Rocky Mountain Section

William Eucker 12th grade
\$50
George Washington High School Denver
Determining the Growth Mechanism of Single-Wall Carbon Nanotubes

Forrest Friesen 9th grade
\$75
Palmer High School Colorado Springs
The Effects of Pre-Stretching on the Performance of Electroactive Polymer Actuators

American Meteorological Society Denver/Boulder Chapter

Larissa Hardesty 8th grade
\$50, certificate, subscription to Weatherwise magazine
Gilpin County School Black Hawk
Laser Solutions

Balaji Sridhar 11th grade
\$50, certificate, subscription to Weatherwise magazine
Cherry Creek High School Greenwood Village
Optimization of a Novel Process of Removal of Arsenic from Drinking Water Treatment Sludge

American Vacuum Society Rocky Mountain Chapter

Rachel Jenson 7th grade
\$50; \$50 to adult sponsor
Pagosa Springs Junior High School Pagosa Springs
The Dark Force

Luke Larson 7th grade
\$100, \$100 to adult sponsor
Lucile Erwin Middle School Loveland
Can a Plasma Be Made with Household Items?

Craig Wright 12th grade
\$50, \$50 to adult sponsor
Woodlin School Woodrow
Surface Fabrication and Characterization for DNA-Based Biosensors

Jessica Bartley 12th grade
\$100, \$100 to adult sponsor
Boulder High School Boulder
Synthetic Spectroscopy of an Electron-Ion System

American Water Works Association Rocky Mountain Section

Rachel Doyle 12th grade
\$50 US savings bond, plaque
Monte Vista High School Monte Vista
The Effect of Precipitation and Stream Flow on the Metal Concentrations in Rivers of Colorado

Tyler Keck 10th grade
\$75 US savings bond, plaque
Monte Vista High School Monte Vista
The Super Absorber: Comparing Sodium polyacrylate to Clay Pellets in Absorbing Metals Out of Water

Balaji Sridhar 11th grade
\$100 US savings bond, plaque
Cherry Creek High School Greenwood Village
Optimization of a Novel Process of Removal of Arsenic from Drinking Water Treatment Sludge

Analex Corporation

Alex Woods 10th grade
\$100, certificate
Fairview High School Boulder
Real-time Calculation of the Rocket Roll Attitude Using the On-Board Video Camera

ASM International

Greg Thues 7th grade
\$50
West Jefferson Middle School Conifer
Torsional Strength and Drop Resistance of Solid Wood vs. Composite Wood

William Eucker 12th grade
\$75
George Washington High School Denver
Determining the Growth Mechanism of Single-Wall Carbon Nanotubes

Association for Women Geoscientists Denver Chapter

Channa Rotenberg 8th grade
\$50, rock sample
Rocky Mountain Hebrew Academy Denver
Shake Rattle and Roll

Jade Brooks 12th grade
 \$50, rock sample
 Sierra Grande Jr/Sr High School Blanca
Hydrophobicity II: The Effects of Forest Fires on Debris Flow

Colorado Association of Science Teachers

Kerry Cavanaugh 8th grade
 \$50, certificate
 North Middle School Colorado Springs
The Effectiveness of Bti and Altosid XR in Eliminating Culex pipiens pipiens Larvae

Nick Fedorov 8th grade
 \$50, certificate
 Summit Middle School Boulder
Native American Remedies vs. The E. coli

Chris Messick 9th grade
 \$50, certificate
 Sargent Jr/Sr High School Monte Vista
A Study of 2.4 GHz Signal Concentrations from Wireless Devices

Tristan Brandenburg 12th grade
 \$50, certificate
 Brush High School Brush
Circular Air Vehicles

Gerald Gromko Award

Tyler Keck 10th grade
 \$150, plaque
 Monte Vista High School Monte Vista
The Super Absorber: Comparing Sodium polyacrylate to Clay Pellets in Absorbing Metals Out of Water

Colorado Biology Teachers' Association

Chelsea Oden 8th grade
 \$50, certificate
 Monte Vista Middle School Monte Vista
Avian Responses to Predatory and Nonpredatory Mammal Silhouettes

Nicole Thomas 12th grade
 \$75, certificate
 Sierra Grande Jr/Sr High School Blanca
Evaluating Novel Potato Germplasm for Potato Virus Y

Colorado Dental Association

Casey Wood & Kyleigh Larson 8th grade
 \$50, plaque, pen in a case
 Springfield Jr/Sr High School Springfield
What Cleaning Methods Sanitize Toothbrushes Best?

Eric Keeling 9th grade
 \$75, plaque, pen in a case
 La Veta Jr/Sr High School La Veta
Streptococcus Mutants and Toothpaste

Colorado Division of Wildlife

Tessa Nelson 8th grade
 packet of Colorado wildlife products, free admission for a Wildlife Watch workshop
 Denver School of the Arts Denver
Does Man Made Run-off Cause Stream Invertebrates to "Run Off"?

Anne Thaemert 11th grade
 packet of Colorado wildlife products, free admission for a Wildlife Watch workshop
 Merino Jr/Sr High School Merino
Sarcodine Bioremediation in Streams: The Effects of Arcella in Reducing Pollution from Heavy Metals

Colorado Environmental Health Association

Aarthi Shankar 6th grade
 \$50, certificate
 Mountain Ridge Middle School Colorado Springs
Which Cutting Board Is Better?

Kerry Cavanaugh 8th grade
 \$50, certificate
 North Middle School Colorado Springs
The Effectiveness of Bti and Altosid XR in Eliminating Culex pipiens pipiens Larvae

Balaji Sridhar 11th grade
 \$100, certificate, invitation to exhibit at the CEHA Annual Educational Conference (\$350 value)
 Cherry Creek High School Greenwood Village
Optimization of a Novel Process of Removal of Arsenic from Drinking Water Treatment Sludge

Colorado Foundation for Agriculture

Agriculture in the Classroom Award

Maggie Bussell & Crescent Miller 8th grade
 \$50, certificate
 Mount Garfield Middle School Palisade
Can Adding Polymer to Plant Soil Decrease the Amount of Water Needed?

Rafe Paulson 7th grade
 \$50, certificate
 Sargent Jr/Sr High School Monte Vista
More Moisture for Your Money

Heather Messick 12th grade
 \$50, certificate
 Sargent Jr/Sr High School Monte Vista
Green Manure vs. Meloidogyne chitwoodi

Andrew Fritzler 11th grade
 \$50, certificate
 Merino Jr/Sr High School Merino
Bioengineered Foods and the Physiological Impact on Insects

Colorado Geological Survey & Division of Minerals and Geology

Daniel Neligh 8th grade
 \$150
 Rick's Center for Gifted Children Denver
Erosional Investigations

Jade Brooks 12th grade
 \$150
 Sierra Grande Jr/Sr High School Blanca
Hydrophobicity II: The Effects of Forest Fires on Debris Flow

Colorado Medical Society

Holly Mooren 8th grade
 \$100, invitation to winners and their parents to exhibit at the
 Colorado Medical Society Annual Meeting and attendance at the
 Presidential Inaugural Dinner with a paid overnight stay
 Walsh Jr/Sr High School Walsh
Does Gender Affect Short Term Memory?

Courtney Eichengreen 11th grade
 \$100, invitation to winners and their parents to exhibit at the
 Colorado Medical Society Annual Meeting and attendance at the
 Presidential Inaugural Dinner with a paid overnight stay
 Palmer High School Colorado Springs
*Chemotherapy and Phytoestrogen: The Impact of Metabolic
 Modifiers on Tumor Cell Death*

Colorado Mineral Society

Channa Rotenberg 8th grade
 \$25, 2 mineral specimens and a book
 Rocky Mountain Hebrew Academy Denver
Shake Rattle and Roll

Daniel Neligh 8th grade
 \$40, 2 mineral specimens and a book
 Rick's Center for Gifted Children Denver
Erosional Investigations

Tyler Keck 10th grade
 \$25, 2 mineral specimens and a book
 Monte Vista High School Monte Vista
*The Super Absorber: Comparing Sodium polyacrylate to Clay
 Pellets in Absorbing Metals Out of Water*

Rachel Doyle 12th grade
 \$40, 2 mineral specimens and a book
 Monte Vista High School Monte Vista
*The Effect of Precipitation and Stream Flow on the Metal
 Concentrations in Rivers of Colorado*

Colorado Mycological Society

Erin Carr 11th grade
 \$50
 Hotchkiss High School Hotchkiss
Formite Testing for Ringworm

Colorado Scientific Society

Elizabeth Garcia 7th grade
 \$50
 Sargent Jr/Sr High School Monte Vista
Rock Talk

Daniel Neligh 8th grade
 \$75
 Rick's Center for Gifted Children Denver
Erosional Investigations

Tyler Benton 11th grade
 \$75
 Stratton High School Stratton
*Reconstructing Soil Moisture of the Platte Climate Division
 Using Moisture-Sensitive Tree-Ring Chronologies*

Jade Brooks 12th grade
 \$100
 Sierra Grande Jr/Sr High School Blanca
Hydrophobicity II: The Effects of Forest Fires on Debris Flow

Colorado State University Dept. of Biochemistry & Molecular Biology

James Cronk 12th grade
 Laura Kaningher 11th grade
 \$100, certificate
 Centaurus High School Lafayette
*FISHing for Pseudomonas aeruginosa Via Sequencing and
 RFLP Analysis of 16s ssRNA Genes*

Colorado State University Department of Chemistry

Cody Caver 8th grade
 \$100, certificate
 Woodlin School Woodrow
*Investigating the Corrosive Effects of De-Icing Chemicals on
 Selected Metals*

William Eucker 12th grade
 \$100, certificate
 George Washington High School Denver
*Determining the Growth Mechanism of Single-Wall Carbon
 Nanotubes*

Colorado State University Dept. of Horticulture & Landscape Architecture

Alex Schnaderbeck 8th grade
 \$100
 Sargent Jr/Sr High School Monte Vista
Spuds Gone Bad

Nicole Thomas 12th grade
 \$100
 Sierra Grande Jr/Sr High School Blanca
Evaluating Novel Potato Germplasm for Potato Virus Y

Heather Messick 12th grade
 \$100
 Sargent Jr/Sr High School Monte Vista
Green Manure vs. Meloidogyne chitwoodi

Colorado Veterinary Medical Association & CVMA Auxiliary & Auxiliary to the AVMA

Taiya Andrews 6th grade
 \$50, certificate, gold medallion
 Miller Middle School Durango
Color Genetics in Netherland Dwarfs

Hilary Lierow 10th grade
 \$50, certificate, gold medallion
 Akron High School Akron
Decontamination of Feedlot Sewage Lagoons

Eastman Kodak Company

Alex Schnaderbeck 8th grade
APS camera
Sargent Jr/Sr High School Monte Vista
Spuds Gone Bad

Fort Collins Conservation District

Maggie Bussell & Crescent Miller 8th grade
\$50, plaque
Mount Garfield Middle School Palisade
Can Adding Polymer to Plant Soil Decrease the Amount of Water Needed?

Jade Brooks 12th grade
\$50, plaque
Sierra Grande Jr/Sr High School Blanca
Hydrophobicity II: The Effects of Forest Fires on Debris Flow

Intel Foundation

Kristine Thompson 7th grade
laptop computer (to be mailed)
West Jefferson Middle School Conifer
DAGM: Diabetic Advanced Glucose Monitor: "A Diabetic's Help Is on the Way!"

Alex Woods 10th grade
laptop computer (to be mailed)
Fairview High School Boulder
Real-time Calculation of the Rocket Roll Attitude Using the On-Board Video Camera

Lockheed Martin

Timothy Schneider 8th grade
model rocket and \$100 US savings bond
Miller Middle School Durango
Micropower: Microchips in Miniature Robotics and Other Projects

National Geophysical Data Center

Kelsey McLean 6th grade
\$100 savings bond, certificate, plaque
Miller Middle School Durango
Snow Business

National Renewable Energy Laboratory

Krishn Khanna 10th grade
\$100
Palmer High School Colorado Springs
Bio-Diesel: The Fuel of the Future

Rocky Mountain Association of Geologists

Daniel Neligh 8th grade
cash award
Rick's Center for Gifted Children Denver
Erosional Investigations

Cole Kembel 7th grade
cash award
Brush Middle School Brush
Using the GPS to Calculate the Circumference of the Earth

Elizabeth Garcia 7th grade
cash award
Sargent Jr/Sr High School Monte Vista
Rock Talk

Rachel Doyle 12th grade
cash award
Monte Vista High School Monte Vista
The Effect of Precipitation and Stream Flow on the Metal Concentrations in Rivers of Colorado

Rocky Mountain Inventors Association

Conor May 6th grade
certificate
St. Columba Catholic School Durango
The Effect of Letter Randomization on Reading Comprehension

Kevin Bailey 7th grade
\$50
Holy Family Catholic School Grand Junction
Jack and the Bean Shock

Alex Woods 10th grade
certificate
Fairview High School Boulder
Real-time Calculation of the Rocket Roll Attitude Using the On-Board Video Camera

Yiming Wang 12th grade
\$50
Boulder High School Boulder
Precipitation Forecast Verification Using 2-Dimensional Wavelet Transformation

Rocky Mountain Water Environment Association

Willian Benich 7th grade
\$100 savings bond
Brentwood Middle School Greeley
How Well Is Weld's Water?

Tessa Nelson 8th grade
\$250 savings bond
Denver School of the Arts Denver
Does Man Made Run-off Cause Stream Invertebrates to "Run Off"?

John Heermann 9th grade
\$100 savings bond
Haxtun High School Haxtun
Oil Pollution Solution III: Bioremediation

Balaji Sridhar 11th grade
\$250, savings bond
Cherry Creek High School Greenwood Village
Optimization of a Novel Process of Removal of Arsenic from Drinking Water Treatment Sludge

**Society of Manufacturing Engineers
Front Range Electro-Mechanical Chapter 354**

Timothy Schneidier 8th grade
savings bond, certificate, recognition by local chapter
Miller Middle School Durango
*Micropower: Microchips in Miniature Robotics and Other
Projects*

Adam Sidman 10th grade
savings bond, certificate, recognition by local chapter
Palmer High School Colorado Springs
Camera Stabilization

**Society of Women Engineers
Rocky Mountain Section**

Julia Nell 7th grade
\$50, certificate
Pagosa Springs Junior High School Pagosa Springs
Lights, Sound, Stop!

Kristine Thompson 7th grade
\$75, certificate
West Jefferson Middle School Conifer
*DAGM: Diabetic Advanced Glucose Monitor: "A Diabetic's
Help Is on the Way!"*

Megan Emmons 9th grade
\$50, certificate
Del Norte High School Del Norte
Force of Air on a Flat Surface

Sarah Moll 10th grade
\$75, certificate
La Veta Jr/Sr High School La Veta
Can You Take the Shakin'?

**Soil & Water Conservation Society
Colorado Chapter**

Lacy Ritchey 8th grade
\$25, certificate, ribbon
Frontier Academy Greeley
Dig'n the "N"

Rafe Paulson 7th grade
\$50, certificate, ribbon
Sargent Jr/Sr High School Monte Vista
More Moisture for Your Money

Brittelle Bowers & Heather McGuire 11th grade
\$25, certificate, ribbon
Woodlin School Woodrow
*Determination of Persistent Tetracycline Residues in Liquid
Manure by HPLC/MS-MS*

Morgan Sayles 12th grade
\$50, certificate, ribbon
Hi-Plains Jr/Sr High School Seibert
*The Reduction of Soil Compaction by the Addition of a
Surfactant*

Tektronix

Adam Sidman 10th grade
Tektronix TDS2024 oscilloscope
Palmer High School Colorado Springs
Camera Stabilization

United States Department of Commerce

Jade Brooks 12th grade
plaque, alternate for summer employment with Department of
Commerce
Sierra Grande Jr/Sr High School Blanca
Hydrophobicity II: The Effects of Forest Fires on Debris Flow

Jessica Bartley 12th grade
plaque, opportunity for summer employment with Department of
Commerce with possibility for future continuing employment
Boulder High School Boulder
Synthetic Spectroscopy of an Electron-Ion System

United States Geological Survey

Elizabeth Garcia 7th grade
reference book, mineral specimen
Sargent Jr/Sr High School Monte Vista
Rock Talk

Tyler Keck 10th grade
reference book, mineral specimen
Monte Vista High School Monte Vista
*The Super Absorber: Comparing Sodium polyacrylate to Clay
Pellets in Absorbing Metals Out of Water*

**University of Colorado Health Sciences
Center Medical Scientist Training Program**

Nissa Schmidt 11th grade
\$50
Merino Jr/Sr High School Merino
*Hair Dye: Hazardous to Your Health? The Effects of
Phenylenediamine on Morphogenesis in C. elegans*

Courtney Eichengreen 11th grade
\$50
Palmer High School Colorado Springs
*Chemotherapy and Phytoestrogen: The Impact of Metabolic
Modifiers on Tumor Cell Death*

Yale Science and Engineering Association

James Laff 11th grade
certificate, pewter medallion (to be mailed)
George Washington High School Denver
Game Theory: The Mathematics of International Conflict

Zonta Club of Boulder County

Rebecca Barach 8th grade
\$100
Denver Academy of the Torah Denver
Houston, We Have a Solution

Scholarships

Adams State College

Adams State College Scholarships

Andrew Fritzler	11 th grade	one-year resident tuition and fees
Merino Jr/Sr High School	Merino	<i>Bioengineered Foods and the Physiological Impact on Insects</i>
Erin Carr	11 th grade	one-year resident tuition and fees
Hotchkiss High School	Hotchkiss	<i>Formite Testing for Ringworm</i>
Morgan Sayles	12 th grade	one-year resident tuition and fees
Hi-Plains Jr/Sr High School	Seibert	<i>The Reduction of Soil Compaction by the Addition of a Surfactant</i>
Gayle Michael	11 th grade	one-year resident tuition and fees
Lone Star School	Otis	<i>Fractional Dimension of Group 2 Chloride Salts</i>
Jade Brooks	12 th grade	one-year resident tuition and fees
Sierra Grande Jr/Sr High School	Blanca	<i>Hydrophobicity II: The Effects of Forest Fires on Debris Flow</i>
Craig Wright	12 th grade	one-year resident tuition and fees
Woodlin School	Woodrow	<i>Surface Fabrication and Characterization for DNA-Based Biosensors</i>
Randy Cotten	11 th grade	one-year resident tuition and fees
Hotchkiss High School	Hotchkiss	<i>The Effects of a Clutch Concept on Fasteners</i>
Meredith MacGregor	9 th grade	one-year resident tuition and fees
Fairview High School	Boulder	<i>Centigrade 4.0: Turbulent Penetrative Convection in Chilled Water</i>
Kelly McNeil	11 th grade	one-year resident tuition and fees
Monte Vista High School	Monte Vista	<i>The Development Differences in Stress and Personality</i>
Beth Hollowed	9 th grade	one-year resident tuition and fees
Meeker High School	Meeker	<i>Effects of Malthion ULV: Insecticide Study</i>

Colorado School of Mines

Colorado School of Mines Scholarships

Tristan Brandenburg	12 th grade	full, four-year resident tuition scholarship
Brush High School	Brush	<i>Circular Air Vehicles</i>

Paul Scott	12 th grade	full, four-year resident tuition scholarship
Woodlin School	Woodrow	<i>Comparing Statistical Analysis on Microarray Data</i>

Rachel Doyle	12 th grade	full, four-year resident tuition scholarship
Monte Vista High School	Monte Vista	<i>The Effect of Precipitation and Stream Flow on the Metal Concentrations in Rivers of Colorado</i>

Jade Brooks	12 th grade	full, four-year resident tuition scholarship
Sierra Grande Jr/Sr High School	Blanca	<i>Hydrophobicity II: The Effects of Forest Fires on Debris Flow</i>

Curtis Larimer	12 th grade	full, four-year resident tuition scholarship
Palmer High School	Colorado Springs	<i>Engineering Magnetic Structures: Linewidth and Field Resonance of Terbium-Doped Iron Thin Films</i>

University of Colorado at Boulder

College of Engineering and Applied Science Scholarships

Meredith MacGregor	9 th grade	one-year \$1,000 scholarship
Fairview High School	Boulder	<i>Centigrade 4.0: Turbulent Penetrative Convection in Chilled Water</i>

Forrest Friesen	9 th grade	one-year \$1,000 scholarship
Palmer High School	Colorado Springs	<i>The Effects of Pre-Stretching on the Performance of Electroactive Polymer Actuators</i>

Curtis Larimer	12 th grade	one-year \$2,000 scholarship
Palmer High School	Colorado Springs	<i>Engineering Magnetic Structures: Linewidth and Field Resonance of Terbium-Doped Iron Thin Films</i>

Courtney Eichengreen	11 th grade	one-year full tuition scholarship
Palmer High School	Colorado Springs	<i>Chemotherapy and Phytoestrogen: The Impact of Metabolic Modifiers on Tumor Cell Death</i>

Intel Foundation

Ryan Patterson Scholarship

Curtis Larimer	12 th grade	alternate for a \$2,000 scholarship to be used at a college of student's choice
Palmer High School	Colorado Springs	<i>Engineering Magnetic Structures: Linewidth and Field Resonance of Terbium-Doped Iron Thin Films</i>

Craig Wright	12 th grade	\$2,000 scholarship to be used at a college of student's choice
Woodlin School	Woodrow	<i>Surface Fabrication and Characterization for DNA-Based Biosensors</i>

Lockheed Martin
CSEF Teacher of the Year Award

Nancy Gettman
\$3,00 grant to be used to further their school's science fair program
Woodlin School Woodrow

Science Service

American Psychological Association
Achievement in Psychological Science Award

Conor May 6th grade
certificate
St. Columba Catholic School Durango
The Effect of Letter Randomization on Reading Comprehension

Discovery Channel, Inc.

Discovery Young Scientist Challenge

Kara Berg 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
St. Columba Middle School Durango
The Effect of Letter Randomization on Reading Comprehension

Matt Zubieli 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Creekside Middle School Monument
Emergency Medical Expert System

Kristine Thompson 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
West Jefferson Middle School Conifer
DAGM: Diabetic Advanced Glucose Monitor: "A Diabetic's Help Is on the Way!"

Kirk Wilkinson 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Monte Vista Middle School Monte Vista
How's Your Vitamin C Cooking?

Conor May 6th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
St. Columba Catholic School Durango
The Effect of Letter Randomization on Reading Comprehension

Daniel Neligh 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Rick's Center for Gifted Children Denver
Erosional Investigations

Lance Albrandt 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Merino Jr/Sr High School Merino
Soaked to the Bone: Will Soaking Bones in Milk, Vitamin A and Calcium Affect Their Strength and Density?

Kerry Cavanaugh 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
North Middle School Colorado Springs
The Effectiveness of Bti and Altosid XR in Eliminating Culex pipiens pipiens Larvae

Justin Kever 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Boltz Junior High School Fort Collins
Electrolysis: Which Electrode Material Is Best?

Tessa Nelson 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Denver School of the Arts Denver
Does Man Made Run-off Cause Stream Invertebrates to "Run Off"?

J. Raleigh Burt 6th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Sargent Elementary School Monte Vista
Does Tire Pressure Matter? Fact or Friction

Channa Rotenberg 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Rocky Mountain Hebrew Academy Denver
Shake Rattle and Roll

Chelsea Oden 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Monte Vista Middle School Monte Vista
Avian Response to Predatory and Nonpredatory Mammal Silhouettes

Mitchell Harryman 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Merino Jr/Sr High School Merino
Is the Drink You Wish Turning into a Petri Dish?

Molly May 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
St. Columba Catholic School Durango
Saving Energy and Reducing Pollution: The Flow Characteristics of Fluidized Beds

Cody Caver 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Woodlin School Woodrow
Investigating the Corrosive Effects of De-Icing Chemicals on Selected Metals

Kevin Jones 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Merino Jr/Sr High School Merino
Is Epsom the Answer to Acid Soils? The Effect on Phototropism and Chlorosis

Christopher Smith 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Home Schooled Boulder
A Tactile Navigation Strategy for Walking Robots

Jeffrey Goodrich 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Orchard Mesa Middle School Grand Junction
First Electric R/C VTOL Airplane: Will It Fly?

Alex Schnaderbeck 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Sargent Jr/Sr High School Monte Vista
Spuds Gone Bad

Eastman Kodak Company

Joshua Gibbs 10th grade
Kodak Digital 35mm One Time Use Camera for student & adult
sponsor, certificate
Palmer High School Colorado Springs
*Electron Trees: The Effect of Increasing the Number of
Electrons on Tree Density*

Herbert Hoover Presidential Library Association

Herbert Hoover Young Engineer Award

Adams Sidman 10th grade
medallion, certificate
Palmer High School Colorado Springs
Camera Stabilization

Intel Corporation

Intel Excellence in Computer Science Award

Alex Woods 10th grade
\$200, certificate
Fairview High School Boulder
*Real-time Calculation of the Rocket Roll Attitude Using the On-
Board Video Camera*

Intel Excellence in Environmental Health and Safety Award

Balaji Sridhar 11th grade
\$200, certificate
Cherry Creek High School Greenwood Village
*Optimization of a Novel Process of Removal of Arsenic from
Drinking Water Treatment Sludge*

International Society for Optical Engineering

Adam Sidman 10th grade
Certificate, entry into a cash award drawing
Palmer High School Colorado Springs
Camera Stabilization

National High School & Two-Year College Mathematics Honor Society

Mu Alpha Theta Award

James Laff 11th grade
certificate
George Washington High School Denver
Game Theory: The Mathematics of International Conflict

NACE Foundation

Cody Caver 8th grade
certificate, lapel pin, supporting materials
Woodlin School Woodrow
*Investigating the Corrosive Effects of De-Icing Chemicals on
Selected Metals*

National Society of Professional Engineers

Innovative Engineering Award

Adam Sidman 10th grade
certificate, lapel pin, supporting materials
Palmer High School Colorado Springs
Camera Stabilization

Scientific American

Graham Anderson 10th grade
Shervin Rahimpour 11th grade
one-year subscription to Scientific American, certificate
Palmer High School Colorado Springs
*Is Free Radical Induced Cell Membrane Destruction Leading to
Heart Disease?*

Alex Woods 10th grade
one-year subscription to Scientific American, certificate
Fairview High School Boulder
*Real-time Calculation of the Rocket Roll Attitude Using the On-
Board Video Camera*

Balaji Sridhar 11th grade
one-year subscription to Scientific American, certificate
Cherry Creek High School Greenwood Village
*Optimization of a Novel Process of Removal of Arsenic from
Drinking Water Treatment Sludge*

Craig Wright 12th grade
one-year subscription to Scientific American, certificate
Woodlin School Woodrow
*Surface Fabrication and Characterization for DNA-Based
Biosensors*

United States Metric Association

Best Use of the International System of Units Award

Tristan Brandenburg 12th grade
Certificate
Brush High School Brush
Circular Air Vehicles

United States Public Health Service

Cristina Kinz 12th grade
certificate
Monarch High School Louisville
Obesity and Endothelial Dysfunction

Water Environment Federation

Stockholm Junior Water Prize

Balaji Sridhar 11th grade
certificate, nomination to enter the Stockholm Junior Water
Prize national competition
Cherry Creek High School Greenwood Village
*Optimization of a Novel Process of Removal of Arsenic from
Drinking Water Treatment Sludge*