

2014 Montana State Science Fair



Awards Ceremony

National Youth Science Camp Alternate

is presented to
DeLancey Doty

2014 Montana State Science Fair



National Youth Science Camp Delegate

is presented to

Lauren Ficek

from

Billings West High School

2014 Montana State Science Fair



National Youth Science Camp Delegate

is presented to

Samantha Croft

from

Sentinel High School

2014 Montana State Science Fair



**American Meteorological Society - Outstanding
Achievement Award**

is presented to

SOPHIA SKWARCHUK

from

Flathead High School

*The melting of polar ice caps as a catalyst for further environmental
degradation*

2014 Montana State Science Fair



**American Psychological Association - Outstanding
Research in Psychological Science**

is presented to

ELLEN GUYER

from

Carter County High School

*Influence of Age on Facial Electromyography in Response to Emoticon
Stimuli*

2014 Montana State Science Fair



**ASM Materials Education Foundation - Most
Outstanding Exhibit in Materials Science**

is presented to

LOGAN WILLIAMSON

from

Heart Butte Public Schools

Wrecking Machine

2014 Montana State Science Fair



**Association for Women Geoscientists - Scientific
Excellence in the Geosciences**

is presented to

BRENNA DEMAROIS

from

Sentinel High School

*Sea Shells Used As An Advanced Oxidation Process To Remove Caffeine
From Wastewater*

2014 Montana State Science Fair



Intel - Excellence in Computer Science Award

is presented to

CONNOR OVERCAST

from

No. Toole County High School

*The Economic and Environmental Benefits of Submerged Computers - Phase
2*

2014 Montana State Science Fair



**Mu Alpha Theta - Most Challenging, Thorough, &
Creative Investigation of a Problem Involving
Mathematics**

is presented to

**COLTER NORICK
COLIN NORICK**

from

Columbia Falls Public Schools

*The Correlation between Docosahexaenic Acid (DHA) Levels and Cognitive
Function in Healthy Teens*

2014 Montana State Science Fair



**National Oceanic and Atmospheric Administration
(NOAA) - Taking the Pulse of the Planet Award**

is presented to

SOPHIA SKWARCHUK

from

Flathead High School

*The melting of polar ice caps as a catalyst for further environmental
degradation*

2014 Montana State Science Fair



Office of Naval Research - Division I Award

is presented to

ROXY RADEMACHER

from

Corvallis High School

Assessing Genetic Diversity of Bighorn Sheep in the Bitterroot Valley

2014 Montana State Science Fair



Office of Naval Research - Division I Award

is presented to

**SERENITY WOLFE
SABIA REICHE**

from

Simms High School

Sun River Conservation

2014 Montana State Science Fair



Office of Naval Research - Division I Award

is presented to

BRENNA DEMAROIS

from

Sentinel High School

*Sea Shells Used As An Advanced Oxidation Process To Remove Caffeine
From Wastewater*

2014 Montana State Science Fair



Office of Naval Research - Division II Award

is presented to

LIAM GERMAIN

from

Ennis K-12 Schools

The Amazing Electric Motor

2014 Montana State Science Fair



Ricoh - Sustainability Development Award

is presented to

TAYLOR SCHROEDER

from

Fairfield Public Schools

Flax Seed Biodiesel Phase IV - Omega 3 Separation

2014 Montana State Science Fair



**Society for In Vitro Biology - Most Outstanding 11th
Grade Student Exhibit**

is presented to

**SAM MILLER
ANDY RYAN**

from

No. Toole County High School

Assessing Antimicrobial Properties of Selected Local Homeopathic Plants

2014 Montana State Science Fair



**Stockholm Junior Water Prize - Outstanding Water-
Related Research**

is presented to

**SERENITY WOLFE
SABIA REICHE**

from

Simms High School

Sun River Conservation

2014 Montana State Science Fair



U.S. Metric Association - SI (Metric) Award

is presented to

TAYLOR SCHROEDER

from

Fairfield Public Schools

Flax Seed Biodiesel Phase IV - Omega 3 Separation

2014 Montana State Science Fair



**US Department of Health and Human Services - Surgeon
General's Special Science Award**

is presented to

**SAM MILLER
ANDY RYAN**

from

No. Toole County High School

Assessing Antimicrobial Properties of Selected Local Homeopathic Plants

2014 Montana State Science Fair



**Yale Science & Engineering Association, Inc. -
Outstanding 11th Grade Student Exhibit in Computer
Science, Engineering, Physics, or Chemistry**

is presented to

DYLAN ROSSBACH

from

Hellgate High School

*Constructing an Alternative MIPS Football Helmet Model to Limit
Rotational Acceleration from Angular Impact*

2014 Montana State Science Fair



**Northern Rocky Mountain Branch of the American
Association for Laboratory Animal Science - Division I
Award**

is presented to

**BETHANEE JAYNES
MICAELA OLSON**

from

Malta Public Schools

*Comparing Commercial Owl Pellets to Those Found in Phillips County,
MT*

2014 Montana State Science Fair



**Northern Rocky Mountain Branch of the American
Association for Laboratory Animal Science - Division II
Award**

is presented to

JYLER THOMPSON

from

Townsend K-12 Schools

CattleMin Care

2014 Montana State Science Fair



**UM Chemistry Department - Most Outstanding Division
II Chemistry Exhibit**

is presented to

TRINITY BERRY

from

Butte Central Jr. High School

*Presto Chango - Magic Metals: Making Copper Precipitate Replace Iron on
Metal Washers*

2014 Montana State Science Fair



**UM Chemistry Department - Most Outstanding Division
I Chemistry Exhibit**

is presented to

TAYLOR SCHROEDER

from

Fairfield Public Schools

Flax Seed Biodiesel Phase IV - Omega 3 Separation

2014 Montana State Science Fair



UM Department of Geology - Division I Award

is presented to

ALISSA WOLENETZ

from

Carter County High School

Comparison of Wildland Fire Retardants (Barricade II and Phos-Chek MVP) with Burn Treatments and their Effects on Fire Intensity, Soil pH, and Microbial Respiration Rates

2014 Montana State Science Fair



UM Department of Geology - Division I Award

is presented to

JULIENNE RYCHNER

from

Carter County High School

The Effect of Soil Types on the Infiltration Rate of Hydrocarbons in Gasoline

2014 Montana State Science Fair



UM Department of Geology - Division II Award

is presented to

TRINITY BERRY

from

Butte Central Jr. High School

Presto Chango - Magic Metals: Making Copper Precipitate Replace Iron on Metal Washers

2014 Montana State Science Fair



**UM Department of Physics and Astronomy - Physics and
Astronomy Award**

is presented to

DYLAN ROSSBACH

from

Hellgate High School

*Constructing an Alternative MIPS Football Helmet Model to Limit
Rotational Acceleration from Angular Impact*

2014 Montana State Science Fair



**UM Environmental Studies Department - Division I
Award**

is presented to

ROXY RADEMACHER

from

Corvallis High School

Assessing Genetic Diversity of Bighorn Sheep in the Bitterroot Valley

2014 Montana State Science Fair



**UM Environmental Studies Department - Division II
Award**

is presented to

ASHLYN CLEVELAND

from

West Valley Middle School

The Water's Toxic!

2014 Montana State Science Fair



**UM College of Forestry and Conservation - Division I
Award**

is presented to

BRENNA DEMAROIS

from

Sentinel High School

*Sea Shells Used As An Advanced Oxidation Process To Remove Caffeine
From Wastewater*

2014 Montana State Science Fair



**UM College of Forestry and Conservation - Division II
Award**

is presented to

BETTA LYON-DELSORDO

from

Target Range School

*Analysis of the Earthquake Swarm Events in Yellowstone National Park in
September, 2013*

2014 Montana State Science Fair



**UM Geography Department - Geographic Excellence
Award Division II**

is presented to

BROOKLYN BRADBURY

from

Chief Joseph Middle School

soil saturation vs. stability

2014 Montana State Science Fair



**UM Geography Department - Geographic Excellence
Award Place Division I**

is presented to

DANELLE TOREN

from

Simms High School

Temperature Lapse Rate of the Troposphere in Montana

2014 Montana State Science Fair



UM Math Department - Mathematical Sciences Award

is presented to

DANELLE TOREN

from

Simms High School

Temperature Lapse Rate of the Troposphere in Montana

2014 Montana State Science Fair



**UM School of Business Administration - School of
Business Administration Award**

is presented to

ELLEN GUYER

from

Carter County High School

*Influence of Age on Facial Electromyography in Response to Emoticon
Stimuli*

2014 Montana State Science Fair



**UM Division of Biological Sciences - Reuben Diettert
Award**

is presented to

**COLTER NORICK
COLIN NORICK**

from

Columbia Falls Public Schools

*The Correlation between Docosahexaenic Acid (DHA) Levels and Cognitive
Function in Healthy Teens*

2014 Montana State Science Fair



**UM Computer Science Department - Computer Science
Award Division I**

is presented to

CONNOR OVERCAST

from

No. Toole County High School

*The Economic and Environmental Benefits of Submerged Computers - Phase
2*

2014 Montana State Science Fair



UM Foundation - Marie Wallace Scholarship

is presented to

TRISTON ISAKSON

from

Fairfield Public Schools

Cutthroat Trout Re-Introduction Phase IV – Individual Stream Modeling

2014 Montana State Science Fair



UM Foundation - Marie Wallace Scholarship

is presented to

ROXY RADEMACHER

from

Corvallis High School

Assessing Genetic Diversity of Bighorn Sheep in the Bitterroot Valley

2014 Montana State Science Fair



UM College of Health Professions and Biomedical Sciences - Division I 2nd Place

is presented to

JAKE OETINGER

from

Hellgate High School

Effects of Plyometric vs. Resistance Training on Peak Power Output in High School-Aged Males

2014 Montana State Science Fair



**UM College of Health Professions and Biomedical
Sciences - Division I 1st Place**

is presented to

**COLTER NORICK
COLIN NORICK**

from

Columbia Falls Public Schools

*The Correlation between Docosahexaenic Acid (DHA) Levels and Cognitive
Function in Healthy Teens*

2014 Montana State Science Fair



**UM College of Health Professions and Biomedical
Sciences - Division II**

is presented to

**SHAWNEE REDD
HALEY GOUCHENOUR**

from

Conrad Public Schools

Candy Confusion

2014 Montana State Science Fair



**UM College of Health Professions and Biomedical
Sciences - Division II**

is presented to

LUCAS HAMLING

from

Chief Joseph Middle School

The Effect of Time on the Density of Biofilms

2014 Montana State Science Fair



**UM College of Health Professions and Biomedical
Sciences - Division II**

is presented to

SAMUEL BOSIO

from

Hamilton Middle School

Can Silver Nanoparticles Prevent Nosocomial Infections?

2014 Montana State Science Fair



**UM College of Health Professions and Biomedical
Sciences - Division II**

is presented to

**ELISE STROMMEN
HALLE BEIL**

from

Hinsdale Public Schools

Stop Growing!

2014 Montana State Science Fair



Clark Fork Coalition - Water Quality Award

is presented to

BRENNA DEMAROIS

from

Sentinel High School

*Sea Shells Used As An Advanced Oxidation Process To Remove Caffeine
From Wastewater*

2014 Montana State Science Fair



Charles M. Holiday - Earth Sciences Award

is presented to

JACOB ALBORANO

from

No. Toole County High School

Evaluating Petroleum-Contaminated Soil Remediation Methods

2014 Montana State Science Fair



Jim Cusker - Best Synthesis of Biological and Physical Sciences Award

is presented to

CAMRON STEPHENS

from

Chief Joseph Middle School

The Effect of an Electromagnetic Feild on Single-celled Organisms

2014 Montana State Science Fair



**Montana Fish Wildlife and Parks - Special Recognition
Award**

is presented to

ROXY RADEMACHER

from

Corvallis High School

Assessing Genetic Diversity of Bighorn Sheep in the Bitterroot Valley

2014 Montana State Science Fair



**Wild Rockies Field Institute - Best project working
toward a healthier environment and a more equitable
society**

is presented to

TAYLOR SCHROEDER

from

Fairfield Public Schools

Flax Seed Biodiesel Phase IV - Omega 3 Separation

2014 Montana State Science Fair



**Wild Rockies Field Institute - Best project working
toward a healthier environment and a more equitable
society**

is presented to

JACOB ALBORANO

from

No. Toole County High School

Evaluating Petroleum-Contaminated Soil Remediation Methods

2014 Montana State Science Fair



**Ecology Project International - Best Wildlife Project
Division I**

is presented to

ROXY RADEMACHER

from

Corvallis High School

Assessing Genetic Diversity of Bighorn Sheep in the Bitterroot Valley

2014 Montana State Science Fair



McLaughlin Research Institute for Biomedical Sciences -

is presented to

PRESTON NOVAK

from

Hellgate High School

*Identification of Genes Assisting *fbf-1* with Regulation of Stem Cell
Differentiation in *Caenorhabditis elegans**

2014 Montana State Science Fair



**Montana Weed Control Association - Division II 3rd
Place**

is presented to

HALI KAPPERUD

from

North Star Schools

*The Effect of Post-Emergent Herbicides on the Germination of *Koschia**

2014 Montana State Science Fair



**Montana Weed Control Association - Division II 2nd
Place**

is presented to
LOUIS INGALLS

from
Townsend K-12 Schools

Weeds Be Gone

2014 Montana State Science Fair



Montana Weed Control Association - Division II 1st Place

is presented to
TAYLOR NOYES

from
Townsend K-12 Schools

No Need for Knapweed

2014 Montana State Science Fair



Montana Weed Control Association - Division I

is presented to

KATE JOHNSTON

from

Hellgate High School

*Effect of targeted sheep grazing on spotted knapweed (*Centaurea maculosa*)
Control*

2014 Montana State Science Fair



**Montana Space Grant Consortium - Emerging Research
Travel Grant Award**

is presented to

SAMUEL BOSIO

from

Hamilton Middle School

Can Silver Nanoparticles Prevent Nosocomial Infections?

2014 Montana State Science Fair



**Montana Space Grant Consortium - Emerging Research
Travel Grant Award**

is presented to

**KASEY SANDS
NATASHA JOHNSON**

from

West Valley Middle School

Breaking The Barriers

2014 Montana State Science Fair



**Montana Space Grant Consortium - Emerging Research
Travel Grant Award**

is presented to

DYLAN ROSSBACH

from

Hellgate High School

*Constructing an Alternative MIPS Football Helmet Model to Limit
Rotational Acceleration from Angular Impact*

2014 Montana State Science Fair



**Montana Space Grant Consortium - Emerging Research
Travel Grant Award**

is presented to

**SAM MILLER
ANDY RYAN**

from

No. Toole County High School

Assessing Antimicrobial Properties of Selected Local Homeopathic Plants

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 6th Grade - 3rd Place**

is presented to

KYZER BAIR

from

Townsend K-12 Schools

L.E.D. For You and Me

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 6th Grade - 2nd Place**

is presented to

ROB DALE

from

Twin Bridges K-12 Schools

The Passive Solar Heat Exchanger

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 6th Grade - 1st Place**

is presented to

QUINN VANDEWALLE

from

Chief Joseph Middle School

Electrifying Materials

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 7th Grade - 3rd Place**

is presented to

DILLON ANDERSON

from

Fairfield Public Schools

Light Polarization

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 7th Grade - 2nd Place**

is presented to

ISABELLE PEARSON

from

Chief Joseph Middle School

A Bright Idea

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 7th Grade - 1st Place**

is presented to

**SEAMUS HOOLAHAN
CARTER MORLEY**

from

Fred Moodry Middle School

Beet Box

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 8th Grade - 3rd Place**

is presented to

JARRETT LAWRENSON

from

Meadow Hill Middle School

Heat Wave

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 8th Grade - 2nd Place**

is presented to

DERIAN MCCORMICK

from

East Middle School-Butte

Charged!! By Laser

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy 8th Grade - 1st Place**

is presented to

OLIVIA KALVIG

from

West Valley Middle School

The Thermoelectric Difference

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy Division I - 3rd Place**

is presented to

JANELLE PRUETT

from

Three Forks Public Schools

What's your Watts?

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy Division I - 2nd Place**

is presented to

ALEESHA AASVED

from

Hellgate High School

*The Effect of Sulfuric Acid Concentration on Recovery of Neodymium
From Rare Earth Magnets*

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy Division I - 1st Place**

is presented to

ELLA BILLMAYER

from

Turner Public Schools

Keepin' the Heat!

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy - Energy Efficiency Award**

is presented to

MICHELLE MCGEE

from

Our Lady of Lourdes School

Glowing Mountain Dew (making a larger light source)

2014 Montana State Science Fair



**Montana Energy Education Council & NorthWestern
Energy - Frank Simon Judges Grand Award**

is presented to

ALEXANDER RAYMOND

from

Hamilton Middle School

Loss of Electricity

2014 Montana State Science Fair



Grand Award 6th Grade Biological - 3rd Place

is presented to

ANNA HEDINGER

from

St. Matthew's Catholic School

Plant Irradiation: Asset or Obstacle?

2014 Montana State Science Fair



Grand Award 6th Grade Biological Team - 3rd Place

is presented to

**NICK WADE
GUS HOFFMAN**

from

Ophir School

Nitrogen Anyone?

2014 Montana State Science Fair



Grand Award 6th Grade Biological - 2nd Place

is presented to

ALLISON MILLER

from

Whitefish Christian Academy

Caffeinated Critters

2014 Montana State Science Fair



Grand Award 6th Grade Biological Team - 2nd Place

is presented to

**ISABELLE GRIFFIN
MARRYN FARBO**

from

Sunburst Elementary

Daphnea Magna Tachycardia

2014 Montana State Science Fair



Grand Award 6th Grade Biological - 1st Place

is presented to

JYLER THOMPSON

from

Townsend K-12 Schools

CattleMin Care

2014 Montana State Science Fair



Grand Award 6th Grade Biological Team - 1st Place

is presented to

**ELISE STROMMEN
HALLE BEIL**

from

Hinsdale Public Schools

Stop Growing!

2014 Montana State Science Fair



Grand Award 6th Grade Physical - 3rd Place

is presented to

MYLES MCCLERNAN

from

Ramsay School

Got Roots

2014 Montana State Science Fair



Grand Award 6th Grade Physical Team - 3rd Place

is presented to

**JOSEPH SPENCER
EVAN ZALUSKI**

from

Montana City Middle School

The Effects of Water Erosion on Land Forms

2014 Montana State Science Fair



Grand Award 6th Grade Physical - 2nd Place

is presented to

DAVID SKWARCHUK

from

West Valley Middle School

Flying Up High

2014 Montana State Science Fair



Grand Award 6th Grade Physical Team - 2nd Place

is presented to

Jacob Runstrom
JESSI MCKINLEY

from

Simms Middle School

Amazing Ammonia Arduino Sensor

2014 Montana State Science Fair



Grand Award 6th Grade Physical - 1st Place

is presented to

LUKE RITZDORF

from

Kalispell Montessori Elementary

Pollution-detector Pi

2014 Montana State Science Fair



Grand Award 6th Grade Physical Team - 1st Place

is presented to

**KADEN VOELLER
SPENCER HEFFERNAN**

from

Fred Moodry Middle School

Worth It's Weight In GOLD

2014 Montana State Science Fair



Grand Award 7th Grade Biological - 3rd Place

is presented to

CAROLINE ROEDER

from

Greenfield 7-8

Hormonal Waters - A Search for Estrogen in Montana Waters

2014 Montana State Science Fair



Grand Award 7th Grade Biological Team - 3rd Place

is presented to

**MELINA TOWNSEND
ANGEL DUGAN**

from

Conrad Public Schools

Plants From the Past

2014 Montana State Science Fair



Grand Award 7th Grade Biological - 2nd Place

is presented to

MIA SMITH

from

Chief Joseph Middle School

What is Xylitol Doing to Your E. coli?

2014 Montana State Science Fair



Grand Award 7th Grade Biological Team - 2nd Place

is presented to

**COLT PAROCAI
RICHARD RATZBURG**

from

Conrad Public Schools

Where the Most Bacteria Live

2014 Montana State Science Fair



Grand Award 7th Grade Biological - 1st Place

is presented to

LUCAS HAMLING

from

Chief Joseph Middle School

The Effect of Time on the Density of Biofilms

2014 Montana State Science Fair



Grand Award 7th Grade Biological Team - 1st Place

is presented to

**JOSEPH GUTER
ISAAC ARMSTRONG**

from

Our Lady of Lourdes School

Fluorescent Heroes: Pseudomonas Cleaning Up Oil

2014 Montana State Science Fair



Grand Award 7th Grade Physical - 3rd Place

is presented to

TRINITY BERRY

from

Butte Central Jr. High School

*Presto Chango - Magic Metals: Making Copper Precipitate Replace Iron on
Metal Washers*

2014 Montana State Science Fair



Grand Award 7th Grade Physical Team - 3rd Place

is presented to

**AIDAN FRANCISCO
GARRICK SISON**

from

East Middle School-Butte

Ferrofluid and Magnetism

2014 Montana State Science Fair



Grand Award 7th Grade Physical - 2nd Place

is presented to

JIM SEIELSTAD

from

Target Range School

*Measuring the Transit of an Eclipsing Binary Star Using Digital
Photometry*

2014 Montana State Science Fair



Grand Award 7th Grade Physical Team - 2nd Place

is presented to

**SEAMUS HOOLAHAN
CARTER MORLEY**

from

Fred Moodry Middle School

Beet Box

2014 Montana State Science Fair



Grand Award 7th Grade Physical - 1st Place

is presented to

LEIF CLARK

from

East Middle School-Butte

*The Effects of Various Types of Interference on an Amplitude Modulation
Broadcast*

2014 Montana State Science Fair



Grand Award 7th Grade Physical Team - 1st Place

is presented to

**GARRETT LOWER
MILUS BAILEY**

from

Chief Joseph Middle School

Slip Sliding Away: Experimenting With Friction

2014 Montana State Science Fair



Grand Award 8th Grade Biological - 3rd Place

is presented to

QUINN WHITMUS

from

Frontier Elementary

Does Age Matter

2014 Montana State Science Fair



Grand Award 8th Grade Biological Team - 3rd Place

is presented to

**JAMISON MCLAIN
CODY DECKER**

from

Simms Middle School

High Impact Headaches

2014 Montana State Science Fair



Grand Award 8th Grade Biological - 2nd Place

is presented to

WATSON SNYDER

from

Home School

Is It "Rad" or Is It Radiation?

2014 Montana State Science Fair



Grand Award 8th Grade Biological Team - 2nd Place

is presented to

**ANDREA RUSSELL
ALANA KASTNER**

from

Conrad Public Schools

Chew & Swab

2014 Montana State Science Fair



Grand Award 8th Grade Biological - 1st Place

is presented to

SAMUEL BOSIO

from

Hamilton Middle School

Can Silver Nanoparticles Prevent Nosocomial Infections?

2014 Montana State Science Fair



Grand Award 8th Grade Biological Team - 1st Place

is presented to

**SHAWNEE REDD
HALEY GOUCHENOUR**

from

Conrad Public Schools

Candy Confusion

2014 Montana State Science Fair



Grand Award 8th Grade Physical - 3rd Place

is presented to

CARLY BEHR

from

Conrad Public Schools

Smartical Partical

2014 Montana State Science Fair



Grand Award 8th Grade Physical Team - 3rd Place

is presented to

**OTIS PETERSON
OWEN MCCUBBIN**

from

Missoula International School

The Science of Natural Machinery

2014 Montana State Science Fair



Grand Award 8th Grade Physical - 2nd Place

is presented to

BETTA LYON-DELSORDO

from

Target Range School

*Analysis of the Earthquake Swarm Events in Yellowstone National Park in
September, 2013*

2014 Montana State Science Fair



Grand Award 8th Grade Physical Team - 2nd Place

is presented to

**LEAHNYA PRIDEMORE
KAITLYN CARLETSON**

from

Conrad Public Schools

Radio Mishmash

2014 Montana State Science Fair



Grand Award 8th Grade Physical - 1st Place

is presented to

DERIAN MCCORMICK

from

East Middle School-Butte

Charged!! By Laser

2014 Montana State Science Fair



Grand Award 8th Grade Physical Team - 1st Place

is presented to

**KASEY SANDS
NATASHA JOHNSON**

from

West Valley Middle School

Breaking The Barriers

2014 Montana State Science Fair



6th Grade Biological - Peterson Grand Award

is presented to

JYLER THOMPSON

from

Townsend K-12 Schools

CattleMin Care

2014 Montana State Science Fair



6th Grade Physical - Peterson Grand Award

is presented to

LUKE RITZDORF

from

Kalispell Montessori Elementary

Pollution-detector Pi

2014 Montana State Science Fair



7th Grade Biological - Peterson Grand Award

is presented to

**JOSEPH GUTER
ISAAC ARMSTRONG**

from

Our Lady of Lourdes School

Fluorescent Heroes: Pseudomonas Cleaning Up Oil

2014 Montana State Science Fair



7th Grade Physical - Peterson Grand Award

is presented to

LEIF CLARK

from

East Middle School-Butte

*The Effects of Various Types of Interference on an Amplitude Modulation
Broadcast*

2014 Montana State Science Fair



8th Grade Biological - Peterson Grand Award

is presented to

SAMUEL BOSIO

from

Hamilton Middle School

Can Silver Nanoparticles Prevent Nosocomial Infections?

2014 Montana State Science Fair



8th Grade Physical - Peterson Grand Award

is presented to

**KASEY SANDS
NATASHA JOHNSON**

from

West Valley Middle School

Breaking The Barriers

2014 Montana State Science Fair



Grand Award - 5th Place

is presented to

TAYLOR SCHROEDER

from

Fairfield Public Schools

Flax Seed Biodiesel Phase IV - Omega 3 Separation

2014 Montana State Science Fair



Grand Award - 4th Place

is presented to

ROXY RADEMACHER

from

Corvallis High School

Assessing Genetic Diversity of Bighorn Sheep in the Bitterroot Valley

2014 Montana State Science Fair



Grand Award - 3rd Place

is presented to

DYLAN ROSSBACH

from

Hellgate High School

Constructing an Alternative MIPS Football Helmet Model to Limit Rotational Acceleration from Angular Impact

2014 Montana State Science Fair



Grand Award Team - 3rd Place

is presented to

**SERENITY WOLFE
SABIA REICHE**

from

Simms High School

Sun River Conservation

2014 Montana State Science Fair



Grand Award - 2nd Place

is presented to

RILEY MCVEY

from

Big Sky High School

Luminescence Quenching by Transition Metal Ions on a Luminescent Surface

2014 Montana State Science Fair



Grand Award Team - 2nd Place

is presented to

**SAM MILLER
ANDY RYAN**

from

No. Toole County High School

Assessing Antimicrobial Properties of Selected Local Homeopathic Plants

2014 Montana State Science Fair



Grand Award - Best Exhibit by a Freshman

is presented to

JALYSSA SWENSON

from

Sentinel High School

The physical and biochemical effects Montana's native moss (Syntrichia ruralis) on spotted knapweed (Centaurea stoebe) germination

2014 Montana State Science Fair



Grand Award - 1st Place

is presented to

ELLEN GUYER

from

Carter County High School

Influence of Age on Facial Electromyography in Response to Emoticon Stimuli

2014 Montana State Science Fair



Grand Award Team - 1st Place

is presented to

**COLTER NORICK
COLIN NORICK**

from

Columbia Falls Public Schools

The Correlation between Docosahexaenic Acid (DHA) Levels and Cognitive Function in Healthy Teens

2014 Montana State Science Fair



Larry Fauque - Grand Award

is presented to

**COLTER NORICK
COLIN NORICK**

from

Columbia Falls Public Schools

*The Correlation between Docosahexaenic Acid (DHA) Levels and Cognitive
Function in Healthy Teens*

2014 Montana State Science Fair



**Outstanding School Award
Large High School 2nd Place**

is presented to

Hellgate High School

2014 Montana State Science Fair



**Outstanding School Award
Large High School 1st Place**

is presented to

Columbia Falls

2014 Montana State Science Fair



**Outstanding School Award
Small High School 2nd Place**

is presented to

Corvallis

2014 Montana State Science Fair



**Outstanding School Award
Small High School 1st Place**

is presented to

Carter County

2014 Montana State Science Fair



**Outstanding School Award
Large Jr. High 2nd Place**

is presented to

Hamilton Middle School

2014 Montana State Science Fair



**Outstanding School Award
Large Jr. High 1st Place**

is presented to

Chief Joseph

2014 Montana State Science Fair



**Outstanding School Award
Small Jr. High 2nd Place**

is presented to

Sunburst

2014 Montana State Science Fair



**Outstanding School Award
Small Jr. High 1st Place**

is presented to

Kalispell Montessori Elementary

2014 Montana State Science Fair



2014 Montana State Science Fair



Thank You