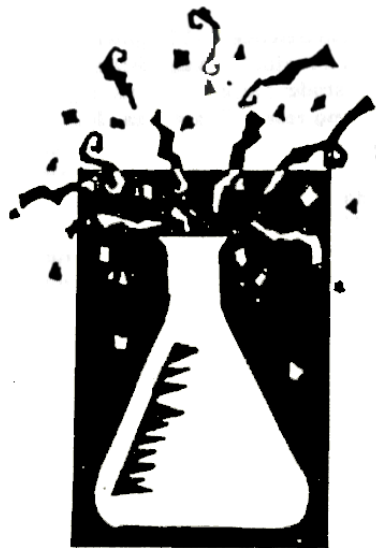


THE 52nd ANNUAL OZARKS SCIENCE & ENGINEERING FAIR

HAMMONS STUDENT CENTER
MISSOURI STATE UNIVERSITY

April 3 – April 5, 2012



2012 WINNERS

Sponsored By:

Missouri State University – College of Natural & Applied Sciences
Missouri State University Foundation
Associated Electric Cooperative, Inc.
Jordan Valley Innovation Center
Schneider Foundation
Positronic Industries
F & H Food Equipment Company



MASTER OF CEREMONIES

MICHELLE NORNGREN
EXECUTIVE DIRECTOR
OZARKS SCIENCE & ENGINEERING FAIR

DR. TAMERA JAHNKE, DEAN
COLLEGE OF NATURAL & APPLIED SCIENCES
PRESENTER OF AWARDS



OSEF COMMITTEE MEMBERS

EXECUTIVE DIRECTOR:
DISPLAY & SAFETY:
ELEMENTARY FAIR:
PLACEMENT AWARDS:
SCIENCE DAY:
SPECIAL AWARDS:

VOLUNTEERS:

WEB PAGE DEVELOPMENT:

MICHELLE NORNGREN
KEN MCCRORY
CHRISTINA KING
ADAM CRANE
KATHY SHADE
CHERYL SCHAEFER WRINKLE
SAMANTHA COOPER
CHRISTINA KING
LACEY GEIGER
SUE MCCRORY
LACEY GEIGER



SCIENTIFIC REVIEW COMMITTEE

DR. TOM TOMASI, CHAIR
DR. JACK STEIERT, MICROBIOLOGY
BRIAN HIGH, CHEMISTRY
DR. MATTHEW FANETTI, HUMAN BEHAVIOR
DR. MICHAEL PFANDER, DVM, NONHUMAN VERTEBRATES



SENIOR DIVISION GRAND PRIZE WINNERS & ALTERNATES

(Grand Prize Awards Sponsored by: F & H Food Equipment Company, Jordan Valley Innovation Center, Positronic Industries, Schneider Foundation & Associated Electric Cooperative, Inc. - includes plaques & trip to the Intel International Science & Engineering Fair for the Grand Prize Winners.)

GRAND PRIZE Lauren Hargus
The Effect of the Chelator EDTA on the Enzymatic
Decomposition of H₂O₂
Peggy Veach, Thayer High School

GRAND PRIZE Savannah Phifer
The Effects of Kefir
Pam Probert, Mansfield High School

GRAND PRIZE Meghan Hedden
The Effect of Curcumin on the Mitotic Division of
Allium Wakegi
Peggy Veach, Thayer High School

(Grand Prize Alternate Awards sponsored by the Ozarks Science & Engineering Fair; includes \$100 Cash Award.)

1st ALTERNATE Katie Hanson
Use Wood Additives to Remove Zinc Contamination
Pam Probert, Mansfield High School

2nd ALTERNATE Jennifer Wylie & Abigail Wylie
The Effects of Caffeinated Coffee on Performance
Tabitha Shaver, Hartville High School

JUNIOR DIVISION GRAND PRIZE WINNERS

Sponsored by the Ozarks Science & Engineering Fair

(\$75 & plaque to each Junior Grand Prize Winner & Teacher; \$75 to each Junior Grand Prize Alternate & Teacher)

GRAND PRIZE Justin Abresch
Take Your Vitamins
Jerry Thornsberrry, Waynesville Middle School

ALTERNATE Krista Shimizu
Got Milk? Not for Long! The Effects of Garlic on Preserving Milk
Laura Stroup, The Summit Preparatory

SENIOR DIVISION GRAND PRIZE WINNERS & ALTERNATES

(Grand Prize Awards Sponsored by: F & H Food Equipment Company, Jordan Valley Innovation Center, Positronic Industries, Schneider Foundation & Associated Electric Cooperative, Inc. - includes plaques & trip to the Intel International Science & Engineering Fair for the Grand Prize Winners.)

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Decomposition of H₂O₂
Peggy Veach, Thayer High School

GRAND PRIZE Savannah Phifer
The Effects of Kefir
Pam Probert, Mansfield High School

GRAND PRIZE Meghan Hedden
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Allium Wakegi
Peggy Veach, Thayer High School

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Pam Probert, Mansfield High School

2nd ALTERNATE Jennifer Wylie & Abigail Wylie
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Tabitha Shaver, Hartville High School

JUNIOR DIVISION GRAND PRIZE WINNERS

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(\$75 & plaque to each Junior Grand Prize Winner & Teacher; \$75 to each Junior Grand Prize Alternate & Teacher)

GRAND PRIZE Justin Abresch
Take Your Vitamins
Jerry Thornsberry, Waynesville Middle School

ALTERNATE Krista Shimizu
Got Milk? Not for Long! The Effects of Garlic on Preserving Milk
Laura Stroup, The Summit Preparatory

JUNIOR DIVISION PLACEMENT AWARDS

BEHAVIORAL AND SOCIAL SCIENCES

- 1st Place: Seth Kamykowski
How to Get to 1st Base
Faster: Running Through
or Head-First Slide
Miriam Jump
St. Joseph Catholic
- 2nd Place: Harry Kime
Running with Competition
Laura Stroup
The Summit Preparatory
- 3rd Place: Grace Rieth
Mind Games
Lynn Vogel
St. Agnes Middle School
- 4th Place: Emily Peabody
Think Big, Think Brilliant,
Think ... Gum
Laura Stroup
The Summit Preparatory

BOTANY

- 1st Place: Justin Abresch
Take Your Vitamins
Jerry Thornsberry
Waynesville Middle
- 2nd Place: Maggie Witt
Can Compost Be a
Renewable Resource?
Miriam Jump
St. Joseph Catholic
- 3rd Place: Christina Hadfield
Plants with Headaches
Timothy Hayes
Immaculate Conception
- 4th Place: Savannah Decker
The Effects of How Plants
Grow in Poop
Rashel Bussard
Clever Middle School

CHEMISTRY

- 1st Place: Krista Shimizu
Got Milk? Not for Long!
The Effects of Garlic on
Preserving Milk
Laura Stroup
The Summit Preparatory

CHEMISTRY (cont.)

- 2nd Place: Jack Perryman
The Effects of
Temperature on
Tempered Steel
Miriam Jump
St. Joseph Catholic
- 3rd Place: Alathia Keith
Amelia Curtis
Three, Two, One .. Blast
Off!
Rashel Bussard
Clever Middle School
- 4th Place: Colton Rice
Crystals: Watch Us Grow
Rashel Bussard
Clever Middle School

EARTH & SPACE SCIENCE

- 1ST Place: Jason Wilhite
The Effects of Different
Solutions on Chemical
Weathering
Debra Burgard
Manes R-5 Middle School
- 2nd Place: Gabe Hanafin
Shake, Rattle, and Roll
Deborah Hawkins
Clever Middle School
- 3rd Place: Tyler Hoots
The Effects of a Comet's
Mass on the Melting Time
Debra Burgard
Manes R-5 Middle School
- 4th Place: Nathan Abresch
Ocean Motion
Connie Cromwell
Wood Elementary

ENGINEERING

- 1st Place: Skyler Griffin
DVD Helmet
Lynn Vogel
St. Agnes Middle School
- 2nd Place: Jacob Gray
Do the Number of Fins
Affect How Far a Straw
Rocket Will Travel?
Miriam Jump
St. Joseph Catholic

ENGINEERING (cont.)

- 3rd Place: Lynsey Lawson
The Effect of Color on the
Efficiency of Solar Cells
Debra Burgard
Manes R-5 Middle School
- 4th Place: Seth Harrington
The Effect of the Solar
Panel's Angle on the
Car's Speed
Debra Burgard
Manes R-5 Middle School

ENVIRONMENTAL SCIENCES

- 1st Place: Colin Kramer
The Impact of Acid in
Water on Seed
Germination
Tim Harrison
Freedom Elementary
- 2nd Place: Jack Johnson
Green Washer Fluid
Laura Stroup
The Summit Preparatory
- 3rd Place: Corrie Carnahan
Caleb Ross
Nitro in H₂O
Deborah Hawkins
Clever Middle School
- 4th Place: Hailey Keltner
Burning Rays – Which
Sunscreen is Effective to
Stop the “Red”
Darlene Henne
Pleasant View Middle

MEDICINE & HEALTH

- 1st Place: Alondria Longoria
What Brands of SPF 70
Are the Most Effective
Against Lupus
Miriam Jump
St. Joseph Catholic
- 2nd Place: Taylor Wallin
Breath of Life
Deborah Hawkins
Clever Middle School

JUNIOR DIVISION PLACEMENT AWARDS

MEDICINE & HEALTH (cont.)

3rd Place: Pfifer Duerkop
Garlic Breath Or A Germy
Mouth?
Laura Stroup
The Summit Preparatory

4th Place: Hannah Talty
The Effect of Different
Exercises on the Heart
Miriam Jump
St. Joseph Catholic

MICROBIOLOGY

1st Place: Mikaela Smith
Are Microbes My-Crobes?
Laura Stroup
The Summit Preparatory

2nd Place: Rose Huckfeldt
Spit Decision
Laura Stroup
The Summit Preparatory

3rd Place: Emily Barnes
Brushing Power
Debra Burgard
Manes R-5 Middle School

4th Place: Ashley McCoy
Effects of Bacterial
Growth on Animal Saliva
Lannie Hinote
Skyline Middle School

PHYSICS

1st Place: Allison Green
Bubble Gum Reveals a
Pedis to Mass
Relationship
Darlene Henne
Pleasant View Middle

2nd Place: Michael Sallee
The (N)Ice Show
Lynn Vogel
St. Agnes Middle School

Ashley Pearce
Alicia Quick
Abrienna Burkhart
Liquid Magnets
Deborah Hawkins
Clever Middle School

PHYSICS (cont.)

3rd Place: Skyla Boyd
Effects of pH on
Absorbency
Lannie Hinote
Skyline Middle School

Jack Love
Paintball Accuracy
Laura Stroup
The Summit Preparatory

4th Place: Eric Munoz
Does Temperature Make
Tennis Balls Bounce?
Lynn Vogel
St. Agnes Middle School

Trenton Dobbs
The Effect of the Load
Position on the Travel
Distance
Debra Burgard
Manes R-5 Middle School

ZOOLOGY

1st Place: Katie Cardoza
Focus or No, That is the
Question
Laura Stroup
The Summit Preparatory

2nd Place: Gaven Keith
Effects of Meat on Fish
Caught
Lannie Hinote
Skyline Middle School

3rd Place: Megan Thomas
Feathery Finds
Lynn Vogel
St. Agnes Middle School

4th Place: Jakob Partee
Aquatic Respiration
Rashel Bussard
Clever Middle School

SENIOR DIVISION PLACEMENT AWARDS

BEHAVIORAL AND SOCIAL SCIENCES

- 1st Place: Jennifer Wylie
Abigail Wylie
The Effects of Caffeinated Coffee on Performance
Tabitha Shaver
Hartville High School
- 2nd Place: Caleb Jones
Kaylee Pierson
Effects of Gender, Sport, and Level on Ethical Performance
Pam Probert
Mansfield High School
- 3rd Place: Morgan Stone
Effect of Distractions on Memory
Peggy Veatch
Thayer High School
- 4th Place: Amber White
The Effect of Auditory and Visual Instructions on Learning
Peggy Veatch
Thayer High School

BIOCHEMISTRY

- 1st Place: Katelin Vernon
Heather Edwards
The Effect of Fruguria on Peptic Ulcer Formation in Stomach
Tabitha Shaver
Hartville High School
- 2nd Place: Blake Shepard
The Effect of Hyperoxia on Drosophila
Christina Shepard
Nixa High School
- 3rd Place: Madison Kolstad
The Effect of Caffeine on Artemia
Christina Shepard
Nixa High School
- 4th Place: Terry Barner
Earthworm Respiration
Christina Shepard
Nixa High School

BOTANY

- 1st Place: Meghan Hedden
The Effect of Curcumin on Mitotic Division of Allium Wakegi
Peggy Veach
Thayer High School
- 2nd Place: Christian Gray
Cryogenic Preservation of Millet Seeds
Pam Probert
Mansfield High School
- 3rd Place: Amanda Prock
Anna Barr
The Effects of Water Pollutants on Radish Seeds
Tabitha Shaver
Hartville High School
- 4th Place: Kyle Rummens
The Effectiveness of Organic Seed Treatments
Pam Probert
Mansfield High School

CHEMISTRY

- 1st Place: Casey Weitzel
Kate Hargis
Water Quality of Florida Everglades
Stephanie Blake
Parkview High School
- 2nd Place: Hannah Sandlin
Nicole Mitchell
Thermal Decomposition of Pyrotechnic Mixtures
Pam Probert
Mansfield High School
- 3rd Place: Jon Spence
Hydrogen-eration: Fuel Cells & You
Christina Shepard
Nixa High School
- 4th Place: Cameron Falk
Thomas Persinger
The Effects of Temperature on Ferrofluid
James Flora
Pleasant Hope High School

ENGINEERING

- 1st Place: Vinnie Marco
RoboMop: The Effects of a Robotic Mop on the Cleanliness of School Floors
Allen VanNess
Hartville High School
- 2nd Place: Wyatt Blake
Construction of an Electric Generator Powered by Natural Thermal Gradient
James Flora
Pleasant Hope High School
- 3rd Place: Ryan Oestreich
Roofing Material Efficiency
Christina Shepard
Nixa High School
- 4th Place: Lucas Connor Hudson
Gray Malkmus
The Effect of NiMH, LiPo, and NiCad Batteries on the Efficiency of a Brushed Electric Motor
Denise Vinton
Greenwood Lab School

ENVIRONMENTAL

- 1st Place: Katie Hanson
Use Wood Additives to Remove Zinc Contamination
Pam Probert
Mansfield High School
- 2nd Place: William Buford
Mallory Hicks
The Effects of Styrene on Raphanus sativas and Lumbricus terrestris
Tabitha Shaver
Hartville High School
- 3rd Place: Melissa Edwards
Shay Jackson
Effects of PG & EG on Cell Integrity
Pam Probert
Mansfield High School
- 4th Place: Brady Hall
How to Make Your Car More Fuel Efficient
Christina Shepard
Nixa High School

SENIOR DIVISION PLACEMENT AWARDS

MATH & COMPUTERS

- 1st Place: Andrew Gunnett
 Birthday Paradox Reality
 Ryan Edwards
 Billings High School
- 2nd Place: Lexi Sherman
 Correlation of Team Stats
 with Team Success
 Pam Probert
 Mansfield High School
- 3rd Place: Ciara Montez
 Tiling with Spidrons
 Cindy Zind
 Seymour High School
- 4th Place: Austin Stewart
 A Novel Method of
 Information Storage
 Pam Probert
 Mansfield High School

MEDICINE AND HEALTH

- 1st Place: Lauren Hargus
 The Effect of the Chelator
 EDTA on the Enzymatic
 Decomposition of H₂O₂
 Peggy Veatch
 Thayer High School
- 2nd Place: Savannah Phifer
 The Effects of Kefir
 Pam Probert
 Mansfield High School
- 3rd Place: Rebecca Abrudan
 Ice Ice Baby: The
 Development of a Reusable
 Cold Pack
 James Flora
 Pleasant Hope High School
- 4th Place: Taylour Arnall
 Carlin Tompkins
 Prescribing Potatoes: The
 Effects of Solanum
 Tuberosum on Blood
 Pressure
 Tabitha Shaver
 Hartville High School

MICROBIOLOGY

- 1st Place: Rebekah Dodge
 Can Physarum
 Polycephalum Find the
 Shortest Distance?
 Christina Shepard
 Nixa High School
- 2nd Place: Katherine Ebersole
 Aubrey Gardner
 The Effects of Microbial
 Agents in Liquid Foundation
 James Flora
 Pleasant Hope High School
- 3rd Place: Canaan Kindle
 Sam Appleby
 Utilization of Various Food
 Sources by Yeast
 Pam Probert
 Mansfield High School
- 4th Place: Allie Pritchett
 The Effects of
 Antimicrobials on the
 Growth of E. coli
 Christina Shepard
 Nixa High School

PHYSICS

- 1st Place: Emily Martina-Hood
 Sound Meets Its Match
 Christina Shepard
 Nixa High School
- 2nd Place: Clay Smith
 Jordan Lebahn
 Effect of Adhesive and
 Surface Integration
 Pam Probert
 Mansfield High School
- 3rd Place: Ashton Jones
 Kristin Dorris
 Sinister Cell Phones: The
 Potential Effect of Cell
 Phones on the Human
 Body
 Tabitha Shaver
 Hartville High School
- 4th Place: Jaylin Dion-McEntyre Jones
 What's The Point?
 Kuishia Jones
 Waynesville High School

ZOOLOGY

- 1st Place: Spencer Haik
 Effect of CO₂ on Shell
 Formation
 Steven Yonke
 Glendale High School
- 2nd Place: Paige Grimes
 Do Fish Have the Ability of
 Memory Through Color
 Recognition
 Peggy Veatch
 Thayer High School
- 3rd Place: Mackenzie Wheeler
 Bird Color Attraction
 Christina Shepard
 Nixa High School
- 4th Place: Kaelan Travis
 Does Rabbit Saliva Contain
 Antimicrobial Properties?
 Christina Shepard
 Nixa High School

SPECIAL AWARDS

AMERICAN CHEMICAL SOCIETY, OZARKS SECTION

Certificate of Award

Senior Division: Jon Spence
Nixa High School

AMERICAN METEOROLOGICAL SOCIETY

Certificate of Award

Senior Division: Abbie Barnes
Nixa High School

AMERICAN PSYCHOLOGICAL ASSOCIATION

Certificate of Award

Senior Division: Abigail Wylie
Jennifer Wylie
Hartville High School

AMERICAN SOCIETY OF MAMMALOGISTS

Certificate of Award

Senior Division: Gunner Harris
Nixa High School

THE ASM MATERIALS EDUCATION FOUNDATION

Medallion & Certificate of Award (Medallion will be mailed to recipient)

Junior Division: Katie Cardoza
The Summit Prep

Senior Division: Ryan Oestreich
Nixa High School

THE ASSOCIATION OF WOMEN GEOSCIENTISTS

Certificate of Merit

Senior Division: Meghan Hedden
Thayer High School

BAKER CHAIR OF INSURANCE/GAMMA IOTA SIGMA AWARD

\$50 Cash & Certificate of Achievement

Senior Division: Emily Gilbreth
Christina Shepard

IRENE BRUNER MEMORIAL AWARD

\$30 Cash & Certificate of Award

Junior Division: Maggie Witt
St. Joseph Catholic

CITY OF SPRINGFIELD – SOLID WASTE DIVISION

Recycled T-Shirt from plastic bottles

Junior Division: Colin Kramer
Freedom Elementary

Jack Johnson
The Summit Preparatory

DRURY UNIVERSITY

3 Hours Undergraduate Credit to each Senior High First Place Award Winner

Senior Division: Jennifer Wylie
Abigail Wylie
Hartville High School

Katelin Vernon
Heather Edwards
Hartville High School

Meghan Hedden
Thayer High School

Casey Weitzel
Kate Hargis
Parkview High School

Vinnie Marco
Hartville High School

Katie Hanson
Mansfield High School

Andrew Gunnett
Billings High School

Lauren Hargus
Thayer High School

Rebekah Dodge
Nixa High School

Emily Martina-Hood
Nixa High School

Spencer Haik
Glendale High School

ENVIRONMENTAL SOLUTION AWARD (SPRINGFIELD CHAPTER OF THE MISSOURI MASTER NATURALISTS)

\$50 Cash and Certificate of Award

Junior Division: Colin Kramer
Freedom Elementary

Senior Division: Shelby Moore
Nixa High School

EXPANDING YOUR HORIZONS: WOMEN IN SCIENCE

\$50 Cash Award

Junior Division: Krista Shimizu
The Summit Preparatory

Senior Division: Lauren Hargus
Thayer High School

GREATER OZARK AUDOBON SOCIETY "ENVIRONMENTAL AWARENESS AWARD"

One Year Membership in the National Audubon Society & Field Guide

Senior Division: Mackenzie Wheeler
Nixa High School

GREENE COUNTY RESOURCE MANAGEMENT "GROUNDWATER GUARDIAN" AWARD

A Plaque

Junior Division: Alexia Tasker
Manes R-5

HORAN BECKER MEDICAL AWARD

\$100 Cash Award & Certificate

Senior Division: Rebecca Abrudan
Pleasant Hope HS

INTEL "EXCELLENCE IN COMPUTER SCIENCE" AWARD

Certificate of Award & \$200 Cash (to be mailed)

Senior Division: Mason Coble
Nixa High School

SPECIAL AWARDS

IN VITRO BIOLOGY AWARD

Certificate of Award and Recognition in National Newsletter

Senior Division: Rebekah Dodge
Nixa High School

MISSOURI DEPARTMENT OF CONSERVATION

Field Guides & Plaque

Junior Division: Megan Thomas
St. Agnes

Senior Division: Spencer Haik
Glendale High School

MISSOURI SOLAR ENERGY

Solar Calculator

Junior Division: Lynsey Lawson
Manes R-5

Hailey Keltner
Pleasant View MS

Seth Harrington
Manes R-5

MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

\$250 Cash Award & Certificate

Junior Division: Skyler Griffin
St. Agnes Middle School

Senior Division: Carter Garrison
Greenwood Lab School

MISSOURI STATE UNIVERSITY COLLEGE OF NATURAL AND APPLIED SCIENCES

\$50 Cash Award

Junior Division: Justin Abresch
Waynesville

Senior Division: Lauren Hargus
Thayer High School

Savannah Phifer
Mansfield High School

MISSOURI STATE UNIVERSITY DEPARTMENT OF BIOLOGY

Certificates to students & plaques to teachers

Junior Division: Justin Abresch
Take Your Vitamins

Colin Kramer
The Impact of Acid in Water on Seed Germination

Hillary Talty
The Effects of Caffeine and Sugar on Daphnia Heart Rate

Katie Cardoza
Faces or No, That is The Question

Alondra Longoria
What Brands of SPF 70 Are the Most Effective Against Lupus

Senior Division: Lauren Hargus
The Effect of the Chelator EDTA on the Enzymatic Decomposition of H₂O₂

Paige Grimes
The Use of Color in Memory Through Recognition

Meghan Hedden
The Effect of Curcumin on the Mitotic Division of Cells: A Possible Treatment of Cancer

Brandon Haake
The Effects of Spices on Bacterial Growth

William Buford
Mallory Hicks
The Effects of Styrene on Raphanur sativas and Lumbricus terrestris

MISSOURI STATE UNIVERSITY DEPARTMENT OF BIOLOGY (cont.)

\$1,000 Work Study Award

Senior Division: Lauren Hargus
Thayer High School

MISSOURI STATE UNIVERSITY DEPARTMENT OF GEOLOGY, GEOGRAPHY, AND PLANNING

Certificate of Merit and Geode

Senior Division: Jason Wilhite
Manes R-5

MISSOURI STATE UNIVERSITY DEPARTMENT OF PHYSICS, ASTRONOMY & MATERIALS SCIENCE

Books

Junior Division: Allison Green
Pleasant View Middle

Senior Division: Clay Smith
Jordan Lebahn
Mansfield High School

MISSOURI STATE UNIVERSITY SOCIETY OF PHYSICS STUDENTS

Certificate of Award & Paperweight

Senior Division: Emily Martina-Hood
Nixa High School

MISSOURI DEPARTMENT OF TECHNOLOGY AND CONSTRUCTION MANAGEMENT

\$100 Cash Award & Plaque

Senior Division: Hunter Prowley
Nixa High School

LOU & NADINE MOORE MEMORIAL AWARD

\$50 Cash Award to the top Junior Division & Senior Division projects covering Education or Special Needs

Junior Division: Taylor Blasius
Skyline Middle School

Senior Division: Alison Bochner
Nixa High School

SPECIAL AWARDS

MU ALPHA THETA NATIONAL MATHEMATICS HONOR SOCIETY

Certificate of Award & Membership in National Honor Society

Senior Division: Lexi Sherman
Mansfield High School

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Certificate of Award, Letter of Congratulations & Medallion

Senior Division: Carter Quirk
Mansfield High School

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS "INNOVATIVE ENGINEERING" AWARD

Certificate of Award & Lapel Pin

Junior Division: Vinnie Marco
Hartville High School

RICOH CORPORATION

Certificate of Award

Senior Division: Charles Adams
Nixa High School

SCHNEIDER FOUNDATION (in cooperation with the Community Foundation of the Ozarks)

\$200 Cash & Certificate

Junior Division: Seth Kamykowski
St. Joseph Catholic

Skyler Griffin
St. Agnes Middle School

Alondria Longoria
St. Joseph Catholic

Katie Cardoza
The Summit Preparatory

Allison Green
Pleasant View Middle

SCHNEIDER FOUNDATION (in cooperation with the Community Foundation of the Ozarks) (cont.)

\$500 Cash & Certificate

Senior Division: Spencer Haik
Glendale High School

Emily Martina-Hood
Nixa High School

Rebekah Dodge
Nixa High School

Lauren Hargus
Thayer High School

Andrew Gunnett
Billings High School

SMITH-GLYNN-CALLOWAY MEDICAL FOUNDATION

\$100 Cash Award & Certificate

Senior Division: Ashley Steed
Thayer High School

Lauren Hargus
Thayer High School

\$200 Cash Award & Certificate

Senior Division: Jasmin Claros
Emma Stevens
Pleasant Hope High

Rebecca Abrudan
Pleasant Hope High

\$400 Cash Award & Certificate

Senior Division: Savannah Phifer
Mansfield High School

UNITED STATES AIR FORCE

*Victory Sport Bag, Sonic Sound Speaker,
Organizer & Certificate of Award*

Senior Division: Vinnie Marco
Hartville High School

Casey Weitzel
Kate Hargis
Parkview High School

Katie Hanson
Mansfield High School

UNITED STATES ARMY – Excellence In Engineering

Certificate of Award & Messenger Bag

Senior Division: Wyatt Blake
Pleasant Hope High

UNITED STATES ARMY – Excellence in Environmental Science

Certificate of Award & Messenger Bag

Senior Division: Brady Hall
Nixa High School

UNITED STATES ARMY – Excellence in Life Sciences

Certificate of Award & Messenger Bag

Senior Division: Spencer Haik
Glendale High School

UNITED STATES ARMY – Excellence in Mathematics/Computer Science

Certificate of Award & Messenger Bag

Senior Division: Ciara Montez
Seymour High School

UNITED STATES ARMY – Excellence in Physical Sciences

Certificate of Award & Messenger Bag

Senior Division: Kate Hargis
Casey Weitzel
Parkview High School

UNITED STATES ARMY – Award of Excellence

Bronze Medallion

Senior Division: Lauren Hargus
Thayer High School

UNITED STATES METRIC ASSOCIATION

Certificate of Award

Senior Division: Christian Gray
Mansfield High School

SPECIAL AWARDS

UNITED STATES NAVY/MARINE CORPS

Certificate of Award & Medal

Junior Division: Krista Shimizu
The Summit Preparatory

Skyler Griffin
St. Agnes Middle School

Mikaela Smith
The Summit Preparatory

Alison Green
Pleasant View Middle

Katie Cardoza
The Summit Preparatory

Certificate of Award, Medal & \$50 Cash

Senior Division: Casey Weitzel
Kate Hargis
Parkview High School

Vinnie Marco
Hartville High School

Emily Martina-Hood
Nixa High School

Spencer Haik
Glendale High School

THE GARY KELL MEMORIAL AWARD

\$250 Cash Award to Teacher and \$250 Cash Award for Classroom Supplies

Christina Shepard
Nixa High School

THE ROBERT W. PLASTER MEMORIAL EXCELLENCE IN TEACHING AWARD

\$1,000 Cash Award to the Teacher with the most Placement Awards in the Senior Division

Christina Shepard
Nixa High School

THE MARY JEAN PLASTER MEMORIAL EXCELLENCE IN TEACHING AWARD

\$1,000 Cash Award to the Teacher with the Most Placement Awards in the Junior Division

Laura Stroup
The Summit Preparatory

THE REGIONAL FAIR DIRECTOR EMERITUS "SYLVIA SPEAR MEMORIAL AWARD"

\$25 Cash to a First Time Teacher

Jerry Thornsberry
Waynesville Middle School

THE JAMES K. TICE MEMORIAL TEACHER AWARD

This award of \$100 cash and a certificate has been established in memory of James K. Tice, whose constant support and encouragement of Missouri's teachers and students changed so many lives.

Mr. Tice served for many years as a teacher, principal and superintendent of K-12 schools. Even after he retired from public education, Mr. Tice continued his tireless dedication to improving educational opportunities for everyone. He was devoted to creating learning communities, by integrating current and emerging technologies into the classroom.

Mr. Tice was a coach, a teacher, a mentor, a surrogate parent, and a friend. He never failed to say "I appreciate you". It is our hope that the recipient of this award also hears "We appreciate you".

The recipient of this year's award is:

Ryan Edwards
Billings High School

THE LAWRENCE E. BANKS, JR., MEMORIAL TECHNOLOGY FOR TEACHERS AWARD

This award of \$100 cash and a certificate has been established in memory of Lawrence E. Banks, Jr., the former Dean of the Missouri State University College of Natural and Applied Sciences and a long-time friend and supporter of the Fair.

Dr. Banks was dedicated to education in the state of Missouri and was a strong proponent of innovative educational projects at the K-12 level as well as higher education. In 2000, he received the Science Teachers' of Missouri Distinguished Service Award in recognition of his tireless support and commitment to science education.

In memory of Dr. Banks' enthusiasm and interest in technology, the recipient of this award is encouraged to integrate technology in their classroom.

The recipient of this year's award is:

Steve Yonke
Glendale High School

THE POSITRONIC TEACHER AWARD

\$75 Cash Award

This cash award goes to the teacher (Junior or Senior Division) who has the most total entries at the Fair:

Christina Shepard
Nixa High School

OZARKS SCIENCE & ENGINEERING FAIR JUNIOR DIVISION TEACHER AWARDS

This award of a Certificate of Award and a ticket to the Fair Recognition Breakfast is awarded to the teachers of the Junior Division First Place Category winners. The recipients of the Junior Division Teacher Awards for 2012 are:

Miriam Jump
Jerry Thornsberry
Laura Stroup
Debra Burgard
Lynn Vogel
Tim Harrison
Darlene Henne

SPECIAL AWARDS

OZARKS SCIENCE & ENGINEERING FAIR SENIOR DIVISION TEACHER AWARDS

This award of a Certificate of Award and a ticket to the Fair Recognition Breakfast is awarded to the teachers of the Senior Division First Place Category winners. The recipients of the Senior Division Teacher Awards for 2012 are:

Tabitha Shaver
Peggy Veach
Stephanie Blake
Allen VanNess
Pam Probert
Christina Shepard
Ryan Edwards
Steven Yonke

OZARKS SCIENCE & ENGINEERING FAIR JUNIOR DIVISION GRAND PRIZE TEACHER AWARD

This award of a plaque is awarded to the teacher of the Junior Division Grand Prize student project. The recipient of the OSEF Foundation Junior Division Grand Prize Teacher Award for 2012 is:

Jerry Thornsberry
Waynesville Middle School

OZARKS SCIENCE & ENGINEERING FAIR SENIOR DIVISION GRAND PRIZE TEACHER AWARD

This award of a plaque is awarded to the teacher(s) of the Senior Division Grand Prize student projects. The recipients of the OSEF Foundation Senior Division Grand Prize Teacher Award for 2012 is:

Peggy Veach
Thayer High School

Pam Probert
Mansfield High School