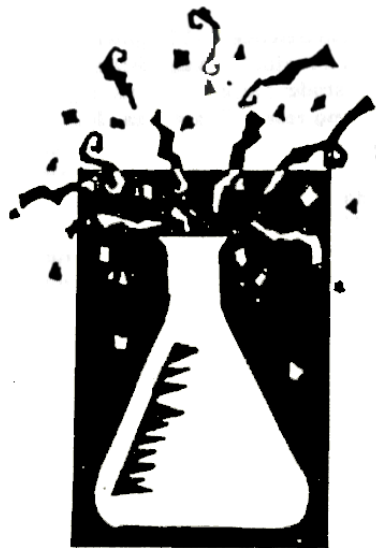


# THE 50<sup>TH</sup> ANNUAL OZARKS SCIENCE & ENGINEERING FAIR

HAMMONS STUDENT CENTER  
MISSOURI STATE UNIVERSITY

April 6 – April 8, 2010



## 2010 WINNERS

Sponsored By:

Missouri State University – College of Natural & Applied Sciences  
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Associated Electric Cooperative, Inc.  
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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**

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CORPORATE DISPLAYS & SPONSORSHIP  
DISPLAY & SAFETY:  
ELEMENTARY FAIR:

PLACEMENT AWARDS:  
SPECIAL AWARDS:

VOLUNTEERS:

WEB PAGE DEVELOPMENT:

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JULIANNA NORNGREN  
JEFF RAWSON  
KEN MCCRORY  
JESICA DUDLEY  
CHARLES DOAN  
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CHERYL SCHAEFER WRINKLE  
SAMANTHA SCHAEFER  
ROCHELLE SMITH  
CHARLES DOAN  
SUE MCCRORY  
JESICA DUDLEY  
KATHY SHADE



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



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## 2010 AWARDS AND SPONSORS

AMERICAN CHEMICAL SOCIETY – OZARK  
SECTION

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AMERICAN SOCIETY OF MAMMALOGISTS

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THE LAWRENCE E. BANKS, JR., MEMORIAL  
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CITY OF SPRINGFIELD – SOLID WASTE  
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COMMUNITY FOUNDATION OF THE OZARKS

DRURY UNIVERSITY

EVANGEL UNIVERSITY

EXPANDING YOUR HORIZONS: WOMEN IN  
SCIENCE

GREATER OZARKS AUDUBON SOCIETY

INTEL

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ENGINEERS

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MISSOURI STATE UNIVERSITY DEPARTMENT OF  
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MISSOURI STATE UNIVERSITY DEPARTMENT OF  
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MISSOURI STATE UNIVERSITY DEPARTMENT OF  
PHYSICS, ASTRONOMY & MATERIALS  
SCIENCE

MISSOURI STATE UNIVERSITY SOCIETY OF  
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MU ALPHA THETA MATHEMATICS HONOR  
SOCIETY

NATIONAL ENVIRONMENTAL SCIENCE FAIR

NATIONAL OCEANIC & ATMOSPHERIC  
ADMINISTRATION

NATIONAL SOCIETY OF PROFESSIONAL  
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OZARKS SCIENCE & ENGINEERING FAIR

OZARKS TECHNICAL COMMUNITY COLLEGE

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RICOH CORPORATION

THE REGIONAL FAIR DIRECTOR EMERITUS  
“SYLVIA SPEAR” AWARD

SCHNEIDER FOUNDATION

SMITH-GLYNN-CALLOWAY FOUNDATION

STOCKHOLM JUNIOR WATER PRIZE

THE JAMES K. TICE MEMORIAL TEACHER  
AWARD

TROPHIES, ETC.

UNITED STATES AIR FORCE

UNITED STATES ARMY

UNITED STATES NAVY/MARINE CORPS

UNITED STATES METRIC ASSOCIATION

UNITED STATES PUBLIC HEALTH SERVICE

WALLACE WEBER MEMORIAL AWARD

WATERSHED COMMITTEE OF THE OZARKS

YALE SCIENCE & ENGINEERING ASSOCIATION

## **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 and trip to the Intel International Science & Engineering Fair for the Grand Prize Winners.)

GRAND PRIZE Kaysha Ousley  
Effects of SBG Liquids on Triticum aestivum  
Mansfield High School  
Pam Probert

GRAND PRIZE Lexi Sherman  
Use of Natural Peroxidase on as a Lignin Decomposer  
Mansfield High School  
Pam Probert

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

1st ALTERNATE Sam Myears  
Myocardial Energetics and Hemodynamic Alternations Due to  
Energy Drinks  
Greenwood Lab School  
Todd VanGorden

2nd ALTERNATE George Boyd IV  
Insulated Concrete Forms and Efficiency  
Greenwood Lab School  
Todd VanGorden

## **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 Leilani DeRuvo  
Bounce It High!  
Wood Elementary School  
Sharon DeRuvo

Alternate Mykaela R. Baze  
A Splash of Color  
Partridge Elementary  
Dean Gann

# THE 2010 JUNIOR DIVISION



# PLACEMENT AWARD WINNERS!

# JUNIOR DIVISION PLACEMENT AWARDS

## BEHAVIORAL AND SOCIAL SCIENCES

- 1st Place: Nicole Lenzmeier  
Mnemonic Theory  
Dixon Middle School  
David Sirett
- 2nd Place: Rose Elizabeth John  
Tickling Your Tastebuds  
Freedom Elementary  
Rebecca Tate
- 3rd Place: Ty Crisp  
The Effect of Video  
Games on Reaction Time  
Manes R-5  
Debra Burgard
- 4th Place: Jessie Smith  
Getting Psyched: Difficult  
or Easy?  
Pleasant View MS  
Darlene Henne

## BOTANY

- 1st Place: Mitchell Johnson  
Does Classical and Heavy  
Metal Music Affect Grass  
Growth?  
The Summit Preparatory  
Laura Stroup
- 2nd Place: Alexis Carroll  
Effects of Liquids on Old  
Man Fuzzy Jew  
Skyline R-2  
Lannie Hinote
- 3rd Place: Sarah Carpenter  
What is the Effect of  
Different Storage  
Techniques on the Size of  
Grape Tomatoes?  
Freedom Elementary  
Ms. Lane
- 4th Place: Steven Schupbech  
Soaking Soils  
Clever R-5 MS  
Debbie Hawkins

## CHEMISTRY

- 1st Place: Mykaela Baze  
A Splash of Color  
Partridge Elementary  
Dean Gann
- 2nd Place: Cuyler Obermaier  
Do Different Brands of  
Shampoo Have Different  
pH?  
St. Joseph MS  
Miriam Jump
- 3rd Place: Paul Vienhage  
Baconator vs.  
Cucumbanator  
Immaculate Conception  
Timothy Hayes
- 4th Place: Viviana Rodriguez  
Courtney Vermillion  
What Would You Prefer?  
Marshfield Junior High  
Kim Potter, Aaron Tillman

## ENGINEERING

- 1st Place: Patrick Toplikar  
How Many Volts Can a  
Human Produce on a  
Bike?  
St. Joseph MS  
Miriam Jump
- 2nd Place: Ryan Fitzpatrick  
Does the Shape of an  
Airplane's Wind Affect  
Aerodynamics?  
St. Joseph MS  
Miriam Jump
- 3rd Place: Thomas Grant  
The Effect of Air Pressure  
on Rolling Resistance  
Manes R-5  
Debra Burgard
- 4th Place: Jennifer Trigg  
Earthen Levees  
Waynesville MS  
Lester Trigg

## ENVIRONMENTAL SCIENCES

- 1st Place: Rahul Sen  
Do Different  
Environments Affect  
Release of CO<sub>2</sub> in Dry  
Ice?  
St. Joseph MS  
Miriam Jump
- 2nd Place: Caleb Dalton  
Finding Thermal  
Resistance R-Value of  
Insulator  
Pleasant View MS  
Darlene Henne
- 3rd Place: William Wylie  
The Effects of Different  
Types of Lights on Plant  
Growth  
Manes R-5  
Debra Burgard
- 4th Place: Justin Abresch  
Erosion Explosion  
Wood Elementary School  
Debra Jones
- Savanna Reid  
Do Different Colors of  
Acetate Absorb Different  
Amounts of UV Rays?  
St. Joseph MS  
Miriam Jump

## MEDICINE & HEALTH

- 1st Place: Abbie Knox  
Which Pair of Sunglasses  
Has More UV Protection?  
St. Joseph MS  
Miriam Jump
- 2nd Place: Aaron Linder  
Effects of Exercise on the  
Body Temperature  
Skyline R-2  
Lannie Hinote
- 3rd Place: Emma Wilkerson  
Effects of Music on Heart  
Rate  
Skyline R-2  
Lannie Hinote

# JUNIOR DIVISION PLACEMENT AWARDS

## MEDICINE & HEALTH (cont.)

4th Place: Karissa Varga  
Does Lack of Sleep Affect  
Coordination?  
St. Joseph MS  
Miriam Jump

## PHYSICS

1st Place: Leilani DeRuvo  
Bounce High!  
Wood Elementary School  
Sharon DeRuvo

2nd Place: Madisyn Harris  
Abbey Waterworth  
Veggies or Fruits: Who  
Wins the Power?  
Clever MS  
Sarah Moulder

3rd Place: Benny Amigon  
What Materials Can Make  
Cement Stronger?  
St. Joseph MS  
Miriam Jump

4th Place: Jordan Brister  
Is It the Bottle or Is It the  
Can? That is the Question  
Waynesville MS  
Dolores Brister

## ZOOLOGY

1st Place: Skyler O'Neal  
The Effect of Different  
Beverages on the Life  
Span of House Crickets  
The Summit Preparatory  
Laura Stroup

2nd Place: John Carnahan  
The Six-Legged Pepsi  
Challenge  
Immaculate Conception  
Timothy Hayes

3<sup>rd</sup> Place: Gabe Hanafin  
Lacey Menzie  
Rodent Maze  
Clever R-5  
Rachel Bussard

4<sup>th</sup> Place: Austin Wilhite  
Effects of Amount of Food  
Eaten  
Skyline R-2  
Lannie Hinote

# THE 2010 SENIOR DIVISION



## PLACEMENT AWARD WINNERS!



# SENIOR DIVISION PLACEMENT AWARDS

## BEHAVIORAL AND SOCIAL SCIENCES

- 1st Place: Nathan Bogart  
Is Assertiveness a Function  
of Birth Order?  
Mansfield HS  
Pam Probert
- 2nd Place: Brendon Mueller  
Driving Distractions: Do  
They Affect Teens or  
Adults?  
Nixa HS  
Christina Shepherd
- 3rd Place: Heather O'Conner  
Try to Lie to Me  
Nixa HS  
Christina Shepherd
- 4th Place: Myra Milan  
A Statistical Analysis of  
Predicting Alzheimer's  
Greenwood Lab School  
Todd VanGorden

## BIOCHEMISTRY

- 1st Place: Madison Smith  
Nucleotide-Based Aptamer  
Tests for Benzoylmethyl  
Ecgonine on Currency  
Greenwood Lab School  
Todd VanGorden
- 2nd Place: Wyatt Bake  
Effectiveness of Various  
Foods as Fuels for a  
Thermal Lance and Their  
Relative Chemical Energies  
Pleasant Hope HS  
James Flora
- 3rd Place: Callie Sare  
Comparison of Actual Milk  
Protein Content to  
Nutritional Labels  
Pleasant Hope HS  
James Flora
- 4th Place: Erin Dierksen  
The Effects of Heavy  
metals on the Inhibition of  
Catechol Oxidase  
Mansfield HS  
Pam Probert

## BOTANY

- 1st Place: Kaysha Ousley  
Effects of SBG Liquids on  
Tridicum aestivum  
Mansfield HS  
Pam Probert
- 2nd Place: Sara Werland  
The Effect of Acid Rain on  
Lartrus odoratus  
Pleasant Hope HS  
James Flora
- 3rd Place: Emily McCormick  
Organic Support  
Nixa HS  
Christina Shepherd
- 4th Place: Anna Waldschlager  
A Determination of  
Presence of Guard Bacteria  
in the Parenchyma Cells  
Pleasant Hope HS  
James Flora

## CHEMISTRY

- 1st Place: Emily Neal  
Christen Grey  
The Effects of Competing  
Metals on the Corrosion of  
Iron  
Mansfield HS  
Pam Probert
- 2nd Place: Jack Shirley  
The Effects of Acids of  
Bases on Sharpie Stained  
Shirt  
Nixa HS  
Christina Shepherd
- 3rd Place: Aundrea Davis  
Oxidize This! Super Fruits  
in Action  
Nixa HS  
Christina Shepherd
- 4th Place: Sophie Fursa  
Milk Polymers  
Kickapoo HS  
Rick Snyder

## EARTH SCIENCES

- 1st Place: Kendra Woolmann  
Jordan Loge  
Effects of Chloramine on  
Monocots and Dicots  
Mansfield HS  
Pam Probert
- 2nd Place: Karee Brown  
Thermokarst Environments  
on Mars: Where Did the  
Water Go?  
Kickapoo HS  
Rick Snyder
- 3rd Place: Michelle Rathe  
Mitigating Liquefaction  
Using Air Bubbles  
Kickapoo HS  
Rick Snyder
- 4th Place: Austin Hyde  
Liquefaction Reaction  
Nixa HS  
Christina Shepherd

## ENGINEERING

- 1st Place: Austin Rokusek  
Lonnie Fulp  
Effects of Fuel Emissions  
on Raphenus satiusus  
Mansfield HS  
Pam Probert
- 2nd Place: George Boyd IV  
Insulated Concrete Forms  
and Efficiency  
Greenwood Lab School  
Todd VanGorden
- 3rd Place: Richard Convers  
The Effects of Bridge Type  
on Failure Weight  
Strafford HS  
Jody Willis
- 4th Place: Madeleine Esther  
Advantages of Higher  
Octane Fuel?  
Greenwood Lab School  
Todd VanGorden

# SENIOR DIVISION PLACEMENT AWARDS

## ENVIRONMENTAL

- 1st Place: Lexi Sherman  
The Effects of Natural Peroxidase as a Lignin Decomposer  
Mansfield HS  
Pam Probert
- 2nd Place: Dallas Wylie  
Gabryel McBaine  
The Effects of Plastic Residues on Growth of Plants  
Hartville HS  
Tabitha Shaver
- 3rd Place: Amy Richter  
Testing the Ability of Lead to Travel Through Soils  
Kickapoo HS  
Rick Snyder
- 4th Place: Alainna Collins  
The Damage of Pesticide Usage  
Nixa HS  
Christina Shepherd

## MEDICINE AND HEALTH

- 1st Place: Evelyn Bush  
The Effects of Antioxidants on the Lifespan and Activity of *Drosophila melanogaster*  
Greenwood Lab School  
Todd VanGorden
- 2nd Place: Sam Myears  
Hemodynamic Effects Due to a Commercially Available Energy Drink  
Greenwood Lab School  
Todd VanGorden
- 3rd Place: Alisha Gray  
Effects of Heat on Aneuploid Plant Cells  
Mansfield HS  
Pam Probert
- 4th Place: Anna Brink  
Carbohydrates vs. Protein  
Nixa HS  
Christina Shepherd

## MICROBIOLOGY

- 1st Place: Angela Crase  
Can You Hear Me Now?  
Thayer HS  
Peggy Veatch
- Hilliary Shumack  
Which Mouthwash Rids Mouth Bacteria Best?  
Thayer HS  
Peggy Veatch

## PHYSICS

- 1st Place: William Law  
Bang! Bang!  
Nixa HS  
Christina Shepherd
- 2nd Place: Aaron Dennis  
Drag Coefficients of Different Swimsuits  
Greenwood Lab School  
Todd VanGorden
- Tucker Kirkland  
Recycled Materials as Concrete Reinforcements  
Mansfield HS  
Pam Probert
- 3rd Place: Erin Pitts  
The Effects of Acidic Drink on the Strength of Teeth  
Hartville HS  
Tabitha Shaver
- Tran Thien Bao Tang  
Photoelectrical Properties of MWCNT/T:O<sub>2</sub> Solar Cell  
Greenwood Lab School  
Todd VanGorden
- 4th Place: Nathan Duke  
Calculating the Acceleration Due to Gravity  
Parkview HS  
Stephanie Blake
- Kaitie Greer  
The Effect of Arrow Tip Weight  
Thayer HS  
Peggy Veatch

## ZOOLOGY

- 1st Place: Katie Hanson  
The Effects of H<sub>2</sub>O<sub>2</sub> on the Regeneration of *Lumbiculus*  
Mansfield HS  
Pam Probert
- 2nd Place: J. D. Mahaffey  
The Effect of Polychromatic Light on the Egg Quality of Laying Hens  
Greenwood Lab School  
Todd VanGorden

**THE 2010  
JUNIOR & SENIOR  
DIVISION**



**SPECIAL AWARD  
WINNERS!**

# SPECIAL AWARDS

## AMERICAN CHEMICAL SOCIETY, OZARKS SECTION

*\$100 Cash Award to Student and \$50 Flinn Certificate to Teacher*

Senior Division: Sophie Fursa  
Milk Polymers  
Kickapoo HS

## THE AMERICAN METEOROLOGICAL SOCIETY

*Certificate of Award*

Senior Division: Kaysha Ousley  
The Effects of SGB  
Liquids on the  
Germination and Growth  
Rate of Triticum aestivum  
Mansfield HS

## AMERICAN SOCIETY OF MAMMALOGISTS

*Certificates of Award*

Junior Division: Sydney Hanafin  
Riley Wallis  
Jessica Wilson  
Are Beagles Color Blind?  
Clever MS

## THE ASM MATERIALS EDUCATION FOUNDATION

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

Senior Division: George Boyd IV  
Insulated Concrete Forms  
and Efficiency  
Greenwood Lab School

## THE AMERICAN PSYCHOLOGICAL SOCIETY

*Certificate of Award*

Senior Division: Nathan Bogart  
Is Assertiveness a  
Function of Birth Order  
Mansfield HS

## THE ASSOCIATION OF WOMEN GEOSCIENTISTS

*Certificate of Recognition*

Senior Division: Kendra Woolman  
Jordan Loge  
Effects of Chloramine on  
the Inhibition and  
Germination of Monocot  
and Dicot Seeds  
Mansfield HS

## BAKER CHAIR OF INSURANCE/GAMMA IOTA SIGMA AWARD

*\$50 Cash & Certificate of Achievement*

Senior Division: Richard Convers  
The Effects of Bridge  
Type on Failure Weight  
Strafford HS

## IRENE BRUNER MEMORIAL AWARD

*\$25 Cash & Certificate of Award*

Junior Division: Elizabeth John  
Tickling Your Tastebuds  
Freedom Elementary

## CITY OF SPRINGFIELD – SOLID WASTE DIVISION

*Recycled T-Shirt*

Senior Division: Gabryel McBaine  
Dallas Wylie  
The Effects of Plastic  
Residues on the Growth  
of Plants  
Hartville HS

Alainna Collins  
The Damages of  
Pesticide Usage  
Nixa HS

## CONSTELLATION CLUB – TROPHIES ETC. "GALAXY EXPLORERS" AWARD

*\$25 Cash Award to each*

Junior Division: Clayton Reichard  
Rocket Nozzles  
The Summit Preparatory  
  
Karee Brown  
Where Did the Water Go?  
Kickapoo HS

## DRURY UNIVERSITY

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

Senior Division: Nathan Bogart  
Is Assertiveness a  
Function of Birth Order?  
Mansfield HS

Madison Smith  
Nucleotide-Based  
Aptamer Tests for  
Benzoylmethyl Ecgonine  
on Currency  
Greenwood Lab School

Kaysha Ousley  
Effects of SBG Liquids on  
Triticum aestivum  
Mansfield HS

Emily Neal  
Christen Grey  
The Effects of Competing  
Metals on the Corrosion  
of Iron  
Mansfield HS

Kendra Woolmann  
Jordan Loge  
Effects of Chloramine on  
Monocots and Dicots  
Mansfield HS

Austin Rokusek  
Lonnie Fulp  
Effects of Fuel Emissions  
on Raphenus satius  
Mansfield HS

Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

Evelyn Bush  
The Effects of  
Antioxidants on the  
Lifespan and Activity of  
Drosophila melanogaster  
Greenwood Lab School

Angela Crase  
Can You Hear Me Now?  
Thayer HS

# SPECIAL AWARDS

## DRURY UNIVERSITY (cont.)

Senior Division: Hilliary Shumack  
Which Mouthwash Rids  
Mouth Bacteria Best?  
Thayer HS

William Law  
Bang! Bang!  
Nixa HS

Katie Hanson  
The Effects of H<sub>2</sub>O<sub>2</sub> on  
the Regeneration of  
Lumbiculus  
Mansfield HS

*6 Hours Undergraduate Credit to the Senior  
High Grand Prize Award Winners*

Senior Division: Kaysha Ousley  
Effects of SBG Liquids on  
Tridicum aestium  
Mansfield HS

Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

## EVANGEL UNIVERSITY

*\$1,500 Scholarship to each Senior Division  
First Place Winner as Entering Freshmen*

Senior Division: Nathan Bogart  
Is Assertiveness a  
Function of Birth Order?  
Mansfield HS

Madison Smith  
Nucleotide-Based  
Aptamer Tests for  
Benzoylmethyl Ecgonine  
on Currency  
Greenwood Lab School

Kaysha Ousley  
Effects of SBG Liquids on  
Tridicum aestium  
Mansfield HS

Emily Neal  
Christen Grey  
The Effects of Competing  
Metals on the Corrosion  
of Iron  
Mansfield HS

## EVANGEL UNIVERSITY (cont.)

Senior Division: Kendra Woolmann  
Jordan Loge  
Effects of Chloramine on  
Monocots and Dicots  
Mansfield HS

Austin Rokusek  
Lonnie Fulp  
Effects of Fuel Emissions  
on Raphenus satius  
Mansfield HS

Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

Evelyn Bush  
The Effects of  
Antioxidants on the  
Lifespan and Activity of  
Drosophila melanogaster  
Greenwood Lab School

Angela Crase  
Can You Hear Me Now?  
Thayer HS

Hilliary Shumack  
Which Mouthwash Rids  
Mouth Bacteria Best?  
Thayer HS

William Law  
Bang! Bang!  
Nixa HS

Katie Hanson  
The Effects of H<sub>2</sub>O<sub>2</sub> on  
the Regeneration of  
Lumbiculus  
Mansfield HS

*\$2,500 Scholarship to each Grand Prize  
Award Winner as Entering Freshmen*

Senior Division: Kaysha Ousley  
Effects of SBG Liquids on  
Tridicum aestium  
Mansfield HS

Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

## EXPANDING YOUR HORIZONS: WOMEN IN SCIENCE

*\$10 Book Card & Certificate of Award*

Junior Division: Abbie Knox  
Which Pair of Sunglasses  
Has More UV Protection?  
St. Joseph MS

Senior Division: Joslyn Arthur  
Suck It Up: Using Bio-  
reclamation to Remove  
Lead from Contaminated  
Soil  
Kickapoo HS

*\$25 Barnes Noble Gift*

Junior Division: Leilani DeRuvo  
Bounce It High!  
Wood Elementary

Senior Division: Evelyn Bush  
Effects of Antioxidants on  
the Lifespan and Activity  
of Drosophila  
melanogaster  
Greenwood Lab School

## GREATER OZARK AUDOBON SOCIETY "ENVIRONMENTAL AWARENESS AWARD"

*One Year Membership in the National  
Audubon Society & Field Guide*

Senior Division: Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

## THE NATIONAL ENVIRONMENTAL SCIENCE FAIR HERO OF PLANET EARTH ("HOPE") AWARD

*Award Certificate & Invitation to the National  
Environmental Science Fair*

Junior Division: Montana Quinn  
St. Joseph MS

Ashley Hannah  
Clever MS

Trenton Dobbs  
Manes R-5

# SPECIAL AWARDS

**THE NATIONAL ENVIRONMENTAL  
SCIENCE FAIR HERO OF PLANET EARTH  
("HOPE") AWARD (cont.)**

Junior Division: Sage Clunn  
Skyline R-2

Samantha Cochran  
Skyline R-2

Alexis Carroll  
Skyline R-2

Mitchell Johnson  
The Summit Preparatory

Mikaela Smith  
The Summit Preparatory

Sarah Carpenter  
Freedom Elementary

Kameron Piper  
Immaculate Conception

Michaela Allen  
Clever MS

Katie Box  
Clever MS

Mhari Rowell  
Clever MS

Paul Vienhage  
Immaculate Conception

Hallis Taylor  
Manes R-V

Patrick Toplikar  
St. Joseph MS

Jamie Lewellen  
Clever MS

Jennifer Trigg  
Waynesville MS

Jack Johnson  
The Summit Preparatory

Thomas Grant  
Manes R-5

Quincy Rose  
Dixon MS

Rahul Sen  
St. Joseph MS

**THE NATIONAL ENVIRONMENTAL  
SCIENCE FAIR HERO OF PLANET EARTH  
("HOPE") AWARD (cont.)**

Junior Division: Savannah Reid  
St. Joseph MS

Hesston Burton  
Manes R-5

Justin Abresch  
Wood Elementary

Joseph Misterovich  
The Summit Preparatory

Andrew Workman  
The Summit Preparatory

Caleb Dalton  
Pleasant View MS

Abbie Knox  
St. Joseph MS

Abbey Waterworth  
Clever MS

Madisyn Harris  
Clever MS

Jordan Brister  
Waynesville MS

Austin Wilhite  
Skyline R-2

Skylar O'Neal  
The Summit Preparatory

Haley Armstrong  
Clever MS

Katie Lamberson  
Clever MS

Lesley Eck  
Clever MS

Senior Division: Courtney Horton  
Thayer HS

Erin Dierksen  
Mansfield HS

Wyatt Bake  
Pleasant Hope HS

Callie Sare  
Pleasant Hope HS

**THE NATIONAL ENVIRONMENTAL  
SCIENCE FAIR HERO OF PLANET EARTH  
("HOPE") AWARD (cont.)**

Senior Division: Grace Basset  
Nixa HS

Madison Smith  
Greenwood Lab School

Joslyn Arthur  
Kickapoo HS

Alex Scott  
Nixa HS

Nick Schriver  
Nixa HS

Jesse Bihlmeyer  
Nixa HS

Sarah Reynolds  
Nixa HS

Emily McCormick  
Nixa HS

Evan Sterling  
Nixa HS

Kaysa Ousley  
Mansfield HS

Zachary McClanahan  
Hartville HS

Stephen Buechler  
Nixa HS

Sara Werland  
Pleasant Hope HS

Anna Waldschlager  
Pleasant Hope HS

Josh Lee  
Pleasant Hope HS

Joshua Yoes  
Nixa HS

Heidi Shelley  
Nixa HS

Hannah Shook  
Nixa HS

Sophie Fursa  
Kickapoo HS

# SPECIAL AWARDS

## THE NATIONAL ENVIRONMENTAL SCIENCE FAIR HERO OF PLANET EARTH ("HOPE") AWARD (cont.)

Senior Division: Katherine Moran  
Ava HS

Karen Ragsdale  
Hartville HS

Alicia Omohundro  
Hartville HS

Jack Shirey  
Nixa HS

Mickey Davis  
Nixa HS

Aundrea Davis  
Nixa HS

Blade Keller  
Nixa HS

Emily Neal  
Mansfield HS

Michelle Rathe  
Kickapoo HS

Austin Hyde  
Nixa HS

Paul Somers  
Kickapoo HS

Karee Brown  
Kickapoo HS

Kendra Woolman  
Mansfield HS

Christopher Done  
Greenwood Lab School

Will Fors  
Nixa HS

Sean Gilbert  
Nixa HS

Austin Rokusek  
Mansfield HS

Madeleine Esther  
Greenwood Lab School

George Boyd IV  
Greenwood Lab School

## THE NATIONAL ENVIRONMENTAL SCIENCE FAIR HERO OF PLANET EARTH ("HOPE") AWARD (cont.)

Senior Division: Devon Whitlock  
Greenwood Lab School

Nick Zummo  
Nixa HS

Shane Rasor  
Nixa HS

Amy Richter  
Kickapoo HS

Eric Tompkins  
Hartville HS

Sarah Cook  
Hartville HS

Dallas Wylie  
Hartville HS

Gabryel McBaine  
Hartville HS

Alainna Collins  
Nixa HS

Lexi Sherman  
Mansfield HS

Chris Algieri  
Greenwood Lab School

Cory McCoy  
Greenwood Lab School

Logan Hughes  
Greenwood Lab School

Greg Fuller  
Thayer HS

Sam Myears  
Greenwood Lab School

Samantha Groves  
Nixa HS

Sarah Jamison  
Nixa HS

Anna Brink  
Nixa HS

## THE NATIONAL ENVIRONMENTAL SCIENCE FAIR HERO OF PLANET EARTH ("HOPE") AWARD (cont.)

Senior Division: Ashley Hesterberg  
Nixa HS

Halea Gregg  
Nixa HS

Alisha Gray  
Mansfield HS

Evelyn Bush  
Greenwood Lab School

Jeremy Vermillion  
Nixa HS

Sally H'Doubler  
Greenwood Lab School

Hilliary Shumack  
Thayer HS

Daniel Warken  
Hartville HS

Erin Pitts  
Hartville HS

Matthew Trembl  
Nixa HS

Tucker Kirkland  
Mansfield HS

Tran Tang  
Greenwood Lab School

Ben Latimer  
Parkview HS

Shelby Feistner  
Parkview HS

J.D. Mahaffey  
Greenwood Lab School

Katie Hanson  
Mansfield HS

# SPECIAL AWARDS

## INTEL "EXCELLENCE IN COMPUTER SCIENCE" AWARD

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

Senior Division: J. D. Mahaffey  
The Effect of  
Polychromatic Light on  
the Egg Quality of Laying  
Hens  
Greenwood Lab School

## JORDAN VALLEY INNOVATION CENTER

*\$1500 Summer Work Study Award*

Senior Division: Aaron Dennis  
Drag Coefficients of  
Different Swimsuits  
Greenwood Lab School

## MISSOURI DEPARTMENT OF CONSERVATION

*Plaque & Conservation Department Materials*

Junior Division: Steven Schupbach  
Soaking Soils  
Clever MS

Senior Division: Katie Hanson  
Effects of H<sub>2</sub>O<sub>2</sub> on the  
Regeneration of  
Lumbriculus

## MISSOURI MASTER NATURALIST AWARD, JUNIOR DIVISION

*Certificate of Award & \$50 Cash*

Junior Division: Justin Abresch  
Erosion Explosion!  
Wood Elementary

## MISSOURI MASTER NATURALIST AWARD, SENIOR DIVISION

*Certificate of Award & \$50 Cash*

Senior Division: Lexi Sherman  
The Effect of Natural  
Peroxidase as a Lignin  
Decomposer in Modern  
Landfills  
Mansfield HS

## MISSOURI SOLAR ENERGY

*Solar Calculator*

Junior Division: Savanna Reid  
Do Different Colors of  
Acetate Absorb Different  
Amounts of UV Rays?  
St. Joseph MS

## MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

*\$100 Cash Award*

Senior Division: Will Fors  
Hydrogen and Oxygen  
Induction on an Internal  
Combustion Engine  
Nixa HS  
  
Richard Convers  
The Effect of Bridge Type  
on Failure Weight  
Strafford HS

## MISSOURI STATE UNIVERSITY COLLEGE OF NATURAL AND APPLIED SCIENCES

*\$50 Cash Award*

Junior Division: Leilani DeRuvo  
Bounce It High!  
Wood Elementary

Senior Division: Kaysha Ousley  
Effects of SBG Liquids on  
Triticum aestivum  
Mansfield HS

Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

## MISSOURI STATE UNIVERSITY DEPARTMENT OF BIOLOGY

*Certificates to students & plaques to teachers*

Junior Division: Alexis Carroll  
Effects of Liquids on Old  
Man Fuzzy Jew  
Skyline R-2

Clayton Reichard  
Rocket Nozzles  
The Summit Preparatory

## MISSOURI STATE UNIVERSITY DEPARTMENT OF BIOLOGY (cont.)

Junior Division: Aaron Linder  
Effects of Exercise on  
Body Temperature  
Skyline R-2

Skyler O'Neal  
The Effects of Different  
Beverages on the  
Lifespan of House  
Crickets  
The Summit Preparatory

Katie Hanson  
Effects of H<sub>2</sub>O<sub>2</sub> on the  
Regeneration of  
Lumbriculus  
Mansfield HS

Angela Crase  
Can You Hear Me Now?  
Thayer HS

Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

Evelyn Bush  
The Effects of  
Antioxidants on the  
Lifespan and Activity of  
Drosophila melanogaster  
Greenwood Lab School

Kaysha Ousley  
Effects of SBG Liquids on  
Triticum aestivum  
Mansfield High School

*\$1,000 Work Study Award*

Senior Division: Katie Hanson  
The Effects of H<sub>2</sub>O<sub>2</sub> on  
the Regeneration of  
Lumbriculus  
Mansfield HS

## MISSOURI STATE UNIVERSITY DEPARTMENT OF INDUSTRIAL MANAGEMENT

*\$100 Cash Award & Certificate*

Junior Division: Richard Convers  
The Effects of Bridge  
Type on Failure Weight  
Strafford HS



# SPECIAL AWARDS

## MISSOURI STATE UNIVERSITY DEPARTMENT OF PHYSICS, ASTRONOMY & MATERIALS SCIENCE

*Portable Computer Storage & Certificate of Award*

Senior Division: Stuart Beezley  
Coefficient of Restitution  
in Tennis Balls  
Greenwood Lab School

## MISSOURI STATE UNIVERSITY SOCIETY OF PHYSICS STUDENTS

*Certificate of Award & Paperweight*

Senior Division: Tran Thien Bao Tang  
Photoelectrical Properties  
of MWCNT/T:O<sub>2</sub> Solar  
Cell  
Greenwood Lab School

## LOU & NADINE MOORE MEMORIAL AWARD

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

Junior Division: Samantha Adams  
Males vs. Females: Which  
Gender Dominates Class  
Discussions?  
St. Joseph MS

Sarah Gutzke  
The Effects of Music on  
Short Term Memory  
The Summit Preparatory

## MU ALPHA THETA NATIONAL MATHEMATICS HONOR SOCIETY

*Certificate of Award*

Senior Division: Chris Aiken  
Formulating a Winning  
Season  
Greenwood Lab School

## NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

*Certificate of Award, Letter of Congratulations  
& Medallion*

Junior Division: Trenton Dobbs  
The Effect of Salt Water  
on Plant Growth  
Manes R-5

## NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS "INNOVATIVE ENGINEERING" AWARD

*Certificate of Award & Lapel Pin*

Senior Division: Austin Rokusek  
Lonnie Fulp  
Effects of Fuel Emissions  
on Raphenus satius  
Mansfield HS

## OZARKS TECHNICAL COMMUNITY COLLEGE

*Water Bottles & Assorted OTCC Items*

Senior Division: Nathan Bogart  
Is Assertiveness a  
Function of Birth Order?  
Nixa HS

Madison Smith  
Nucleotide-Based  
Aptamer Tests for  
Benzoylmethyl Ecgonine  
on Currency  
Greenwood Lab School

Kaysha Ousley  
Effects of SBG Liquids on  
Tridicum aestivum  
Mansfield HS

Emily Neal  
Christen Grey  
The Effects of Competing  
Metals on the Corrosion  
of Iron  
Mansfield HS

Kendra Woolmann  
Jordan Loge  
Effects of Chloramine on  
Monocots and Dicots  
Mansfield HS

## OZARKS TECHNICAL COMMUNITY COLLEGE (cont.)

Senior Division: Austin Rokusek  
Lonnie Fulp  
Effects of Fuel Emissions  
on Raphenus satius  
Mansfield HS

Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

Evelyn Bush  
The Effects of  
Antioxidants on the  
Lifespan and Activity of  
Drosophila melanogaster  
Greenwood Lab School

Angela Crase  
Can You Hear Me Now?  
Thayer HS

Hilliary Shumack  
Which Mouthwash Rids  
Mouth Bacteria Best?  
Thayer HS

William Law  
Bang! Bang!  
Nixa HS

Katie Hanson  
Effects of H<sub>2</sub>O<sub>2</sub> on the  
Regeneration of  
Lumbriculus  
Mansfield HS

## RICOH CORPORATION

*Certificate of Award*

Senior Division: Lexi Sherman  
The Effects of Natural  
Peroxidase as a Lignin  
Decomposer  
Mansfield HS

# SPECIAL AWARDS

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

### *\$200 Cash & Certificate*

Junior Division: Leilani DeRuvo  
Wood Elementary

Nicole Lenzmeier  
Dixon MS

Mitchell Johnson  
The Summit Preparatory

Mykaela Baze  
Partridge Elementary

Rahul Sen  
St. Joseph MS

### *\$500 Cash & Certificate*

Senior Division: Evelyn Bush  
Greenwood Lab School

Kaysha Ousley  
Mansfield HS

Madison Smith  
Greenwood Lab School

Austin Rokusek  
Lonnie Fulp  
Mansfield HS

Lexi Sherman  
Mansfield HS

## THE SMITH-GLYNN-CALLOWAY MEDICAL FOUNDATION AWARD

### *\$150 Cash Award & Certificate*

Senior Division: Thomas Weeks  
The Effects of Sight & Smell on Taste Perception  
Thayer HS

## THE SMITH-GLYNN-CALLOWAY MEDICAL FOUNDATION AWARD (cont.)

### *\$200 Cash Award & Certificate*

Senior Division: Sam Myears  
Myocardial Energetics and Hemodynamic Alternations Due to Energy Drinks  
Greenwood Lab School

Sally H'Doubler  
The Effects of Food Choices on Blood Glucose Levels  
Greenwood Lab School

### *\$300 Cash Award*

Senior Division: Evelyn Bush  
Effects of Antioxidants on the Lifespan and Activity of Drosophila melanogaster  
Greenwood Lab School

## STOCKHOLM JUNIOR WATER PRIZE

### *Certificate of Award & Promotion to State Competition*

Senior Division: Aaron Dennis  
Drag Coefficients of Different Swimsuits  
Greenwood Lab School

Karee Brown  
Thermokarst Environments on Mars  
Kickapoo HS

Sara Werland  
The Effect of Acid Rain on Lathurus Odoratus  
Pleasant Hope HS

## UNITED STATES AIR FORCE

### *Daypack, Computer Accessories, Pen Holder & Certificate of Award*

Senior Division: Madison Smith  
Using DNA to test for Drugs on Currency Bills  
Greenwood Lab School

## UNITED STATES AIR FORCE (cont.)

Senior Division: Cameron Falk  
Rocket Propulsion Based on Propellant Mixtures  
Pleasant Hope HS

Richard Convers  
The Effects of Bridge Type on Failure Weight  
Strafford HS

Tran Tang  
Photoelectrical Properties of MWCNT/T:O<sub>2</sub> Solar Cell  
Greenwood Lab School

## UNITED STATES ARMY – Excellence in Chemistry & Physical Sciences

### *Certificate of Award & Shirt (to be mailed)*

Senior Division: Emily Neal  
Christen Gray  
The Effects of Competing Metals on the Corrosion of Iron  
Mansfield HS

## UNITED STATES ARMY – Excellence In Engineering

### *Certificate of Award & Shirt (to be mailed)*

Senior Division: Richard Convers  
The Effects of Bridge Types on Failure Weight  
Strafford HS

## UNITED STATES ARMY – Excellence in Environmental Science

### *Certificate of Award & Shirt (to be mailed)*

Senior Division: Amy Richter  
Testing the Ability of Lead to Travel Through Soil  
Kickapoo HS

# SPECIAL AWARDS

## UNITED STATES ARMY – Excellence in Life Sciences

*Certificate of Award & Shirt (to be mailed)*

Senior Division: Wyatt Blake  
Effectiveness of Various Foods as Fuel for a Thermal Lance & Their Relative Chemical Energies  
Pleasant Hope HS

## UNITED STATES ARMY – Excellence in Mathematics/Computer Science

*Certificate of Award & Shirt (to be mailed)*

Senior Division: Miranda Webber  
Relationship Between the Origami Wave & the Golden Mean  
Thayer HS

## UNITED STATES ARMY – Award of Excellence

*Bronze Medallion & Shirt (to be mailed)*

Senior Division: Richard Convers  
The Effects of Bridge Type on Failure Weight  
Strafford HS

## UNITED STATES METRIC ASSOCIATION

*Certificate of Award*

Junior Division: Rahul Sen  
Do Different Environments Affect Release of CO<sub>2</sub> in Dry Ice?  
St. Joseph MS

## UNITED STATES NAVY/MARINE CORPS

*Certificate of Award*

Junior Division: Leilani DeRuvo  
Bounce High!  
Wood Elementary School

Patrick Toplikar  
How Many Volts Can a Human Produce on a Bike?  
St. Joseph MS

## UNITED STATES NAVY/MARINE CORPS (cont.)

*\$50 Cash Award, Award Letter & Certificate (to be mailed)*

Senior Division: Austin Rokusek  
Lonnie Fulp  
Effects of Fuel Emissions on Raphenus satius  
Mansfield HS

Nathan Bogart  
Is Assertiveness a Function of Birth Order?  
Mansfield HS

Emily Neal  
Christen Grey  
The Effects of Competing Metals on the Corrosion of Iron  
Mansfield HS

Lexi Sherman  
The Effects of Natural Peroxidase as a Lignin Decomposer  
Mansfield HS

## UNITED STATES PUBLIC HEALTH SERVICE

*Certificate of Award*

Senior Division: Sally H'Doubler  
The Effects of Food Choices on Blood Glucose Levels  
Greenwood Lab School

## WALLACE WEBER MEMORIAL AWARD FOR BOTANY

*\$25 Cash & Certificate of Award for Outstanding Botany Project*

*Dr. Weber spent his life teaching people about the Earth both in and out of the classroom. He had a great appreciation for nature and a strong desire to protect it. As a professor in the Biology Department at Southwest Missouri State University, he spent 30 years promoting environmental awareness in Springfield. In addition to teaching Botany at Southwest Missouri State University, Dr. Weber belonged to many environmental groups, including Zero Population Growth, Vision 20/20, the Sierra Club, Missouri Native Plant Society, and Missouri Prairie Foundation. He was totally committed to environmental education and never gave up on the idea that each of us could make a change and make things better.*

*We encourage the recipient of this award to continue Dr. Weber's work by having an appreciation for nature and strong desire to protect it.*

Senior Division: Anna Waldschlager  
A Determination of the Presence of Guard Bacteria in the Parenchyma Cells  
Pleasant Hope HS

## YALE SCIENCE & ENGINEERING ASSOCIATION, INC.

*Preliminary Certificate (Actual Certificate & Medallion to be Shipped)*

Senior Division: Devon Whitlock  
What are the Best Materials To Use To Stop Flood Water?  
Greenwood Lab 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*

Pam Probert, Mansfield HS

# SPECIAL AWARDS

## THE MARY JEAN PLASTER MEMORIAL EXCELLENCE IN TEACHING AWARD

*\$1000 Cash Award to the Teacher with the Most Placement Awards in the Junior Division*

Miriam Jump, St. Joseph MS

## THE REGIONAL FAIR DIRECTOR EMERITUS "SYLVIA SPEAR MEMORIAL AWARD"

*\$25 Cash to a First Time Teacher.*

Christina Shepherd, Nixa High 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:*

Lannie Hinote, Skyline R-2

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

*This new 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:*

Timothy Hayes, Immaculate Conception

## 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 Shepherd, 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 2010 are:*

David Sirett, Dixon Middle School  
Laura Stroup, The Summit Preparatory  
Dean Gann, Partridge Elementary  
Miriam Jump, St. Joseph Middle School  
Sharon DeRuvo, Wood Elementary

## 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 2010 are:*

Pam Probert, Mansfield High School  
Todd VanGorden, Greenwood Lab School  
Peggy Veatch, Thayer High School  
Christina Shepherd, Nixa High School

## 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 2010 is:*

Sharon DeRuvo, Wood Elementary 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 2010 is:*

Pam Probert, Mansfield High School

# Thank You

The Ozarks Science & Engineering Fair Foundation and Steering Committee would like to recognize those volunteers, both individuals and organizations, without whom this event would not be possible. This week alone, over 600 hours of volunteer time and effort were donated – our deepest thanks and appreciation especially to the following:

- Dr. Georgianna Saunders' BIO 100 Class
- Michelle Hulett's CIS 101 Classes
- Missouri State University Biology Department
- Missouri State University Pre-Medical Society
- Sue McCrory's CIS 101 & RIL 211 Classes
- Citizenship & Service Learning Students
- Dr. Cheryl Schaefer's PHY 123 Class
- Dr. Kathy Hughes' BIO 210 Class
- Missouri State University Panhellenic Organizations
- Missouri State University Future Teachers

In addition, over 200 judges from local colleges, companies and organizations donated their time and expertise Tuesday evening to judge the approximately 270 projects at this year's Fair. We cannot recognize them all by name, but their efforts are greatly appreciated.

We would also like to extend a very special Thank You to Maschino's for their generous donation of 28 umbrella bases, and to Pearson-Kelly Business Systems for their generous donation of a copier for the duration of the Fair.

In addition, we would like to recognize Allen Rents for their continuing support of the Fair by providing a substantial number of the folding tables used during the Fair.

Finally, we especially want to acknowledge the generous donation contributed by Positronic Industries, Jordan Valley Innovation Center, Associated Electric Cooperative, Schneider Foundation, and F & H Food Equipment Company toward the substantial travel expenses incurred by the Senior Division Grand Prize Winners for travel to the 2010 International Science & Engineering Fair in San Jose, California.

Volunteers are the lifeblood of an event of this magnitude. Without you, we could not continue the Fair's tradition of excellence. Thank you!