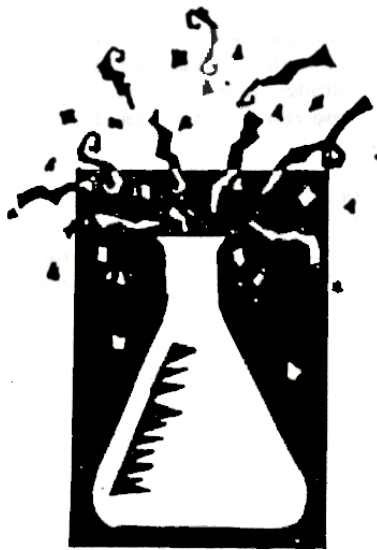


THE 60th ANNUAL OZARKS SCIENCE & ENGINEERING FAIR

VIRTUAL FAIR
MISSOURI STATE UNIVERSITY

March 23 through April 17, 2020



2020 WINNERS

Sponsored By:

Missouri State University – College of Natural & Applied Sciences
Missouri State University Foundation
Associated Electric Cooperative, Inc.
Schneider Foundation
Cheryl & Rodney Wrinkle



VIRTUAL FAIR FACILITATORS

MICHELLE NORGREN
EXECUTIVE DIRECTOR
OZARKS SCIENCE & ENGINEERING FAIR

WILLIAM ALTER
CASSANDRA CLARK
SAMANTHA COOPER
MICHELLE NORGREN
TOM TOMASI
DENISE VINTON



STEERING COMMITTEE MEMBERS

EXECUTIVE DIRECTOR:
DISPLAY & SAFETY:
ELEMENTARY FAIR:
PLACEMENT AWARDS:
SPECIAL AWARDS:
VOLUNTEERS:
WEBMASTERS:
SCIENCE DAY:
SOCIAL NETWORKING:

MICHELLE NORGREN
KEN MCCRORY
LACEY GEIGER
BEN DALTON
DENISE VINTON
SUE MCCRORY
SUE MCCRORY
TOM TOMASI
SUE MCCRORY
MICHELLE NORGREN



SCIENTIFIC REVIEW COMMITTEE

DR. TOM TOMASI, CHAIR
DR. PAUL SCHWEIGER, MICROBIOLOGY
BRIAN HIGH, CHEMISTRY
DR. CARLY YADON, HUMAN BEHAVIOR
DR. MICHAEL PFANDER, DVM, NONHUMAN VERTEBRATES



MAJOR SPONSORS

MISSOURI STATE UNIVERSITY – COLLEGE OF NATURAL & APPLIED
SCIENCES

MISSOURI STATE UNIVERSITY FOUNDATION

ASSOCIATED ELECTRIC COOPERATIVE, INC.

SCHNEIDER FOUNDATION

SMITH GLYNN CALLAWAY FOUNDATION

CHERYL AND RODNEY WRINKLE

2020 AWARDS AND SPONSORS

AMERICAN CHEMICAL SOCIETY – OZARKS
CHAPTER

AMERICAN METEOROLOGICAL SOCIETY

AMERICAN PSYCHOLOGICAL
ASSOCIATION

AMERICAN SOCIETY OF MAMMALOGISTS

ASM MATERIALS EDUCATION
FOUNDATION

ASSOCIATION FOR WOMEN
GEOSCIENTISTS

THE CITY OF SPRINGFIELD DEPARTMENT
OF SOLID WASTE MANAGEMENT

THE LAWRENCE E. BANKS, JR. MEMORIAL
AWARD

MISSOURI DEPARTMENT OF
CONSERVATION AWARD

BROADCOM MASTERS

THE STAN HOWELL MEMORIAL BOTANY
AWARD

THE LEMELSON EARLY INVENTOR PRIZE

THE LISA REECE MEMORIAL AWARD

MISSOURI STATE UNIVERSITY

MISSOURI STATE UNIVERSITY COLLEGE OF
NATURAL & APPLIED SCIENCES

MISSOURI STATE UNIVERSITY

DEPARTMENT OF BIOLOGY

THE LOU & NADINE MOORE MEMORIAL
AWARD

MU ALPHA THETA

NATIONAL AERONAUTICS AND SPACE
ADMINISTRATION

NATIONAL OCEANIC & ATMOSPHERIC
ADMINISTRATION

THE OZARKS SCIENCE & ENGINEERING
FAIR

THE MARY JEAN PLASTER MEMORIAL
AWARD

THE ROBERT W. PLASTER MEMORIAL
AWARD

REGENERON ISEF AWARD

RICOH CORPORATION

SCHNEIDER FOUNDATION

SMITH GLYNN CALLAWAY FOUNDATION

SOCIETY FOR IN VITRO BIOLOGY

THE SYLVIA SPEAR MEMORIAL AWARD

THE JAMES K. TICE MEMORIAL TEACHER
AWARD

UNITED STATES AIR FORCE

UNITED STATES OFFICE OF NAVAL
RESEARCH

USAID SCIENCE CHAMPION AWARD

U.S. METRIC ASSOCIATION

U.S. STOCKHOLM JUNIOR WATER PRIZE

WOMEN IN SCIENCE

YALE SCIENCE & ENGINEERING
ASSOCIATION

SENIOR DIVISION GRAND PRIZE WINNERS & ALTERNATES

(Grand Prize Awards Sponsored by: Cheryl and Rodney Wrinkle, Schneider Foundation & Associated Electric Cooperative, Inc. - includes plaques & entry in the Regeneron International Science & Engineering Fair for the Grand Prize Winners.)

- GRAND PRIZE** Ryan Dodds
Reduction of Plant Cd Concentration
Using AVP1
Eldon High School
Peggy Veatch
- GRAND PRIZE** Nicholas Faiferlick
Mutation of *Escherichia coli* for
Plastic Recycling
Camdenton High School
Chris Reeves
- 1st ALTERNATE** Kenzi Bustamante
A Simple Assay to Measure AChE in Blood
Eldon High School
Peggy Veatch
- 2nd ALTERNATE** Hannah Rogers
Motile Sensors for Monitoring Nitrate
Crop Stress
Camdenton High School
Chris Reeves

JUNIOR DIVISION GRAND PRIZE WINNERS

(Plaque to each Junior Grand Prize Winner & Teacher)

GRAND PRIZE

Noah Patton
Peak Voltage Compared to Cold-Side
Substrate
Camdenton Middle School
Tim Mulford

ALTERNATE

Isabell Owens
Would You Like a Receipt?
Camdenton Middle School
Tim Mulford

THE 2020 JUNIOR DIVISION



PLACEMENT AWARD WINNERS!

JUNIOR DIVISION PLACEMENT AWARDS

BEHAVIORAL AND SOCIAL SCIENCES

- 1st Place: Sylvie Hudson
The Effect of pH on the Taste of Water
Denise Vinton
Scholars at Central
- 2nd Place: Delaney Stanfield
Misconceptions of Color
Tim Mulford
Camdenton Middle School
- 3rd Place: Isaiah Hampton
The Effect of Backboard Use on Shot Percentage
Denise Vinton
Scholars at Central
- 4th Place: Haley Brown
Memory
Aaron Tackett
Immaculate Conception

BOTANY

- 1st Place: Aurora Overbey
The Effect of Growth Method on Bean Plants
Denise Vinton
Scholars at Central
- 2nd Place: Madison Gong
The Effect of Leaf Litter on Grass Growth
Denise Vinton
Scholars at Central
- 3rd Place: Grace Meyer
The Effect of Grow Lights on Growth Rate of Sprouts
Denise Vinton
Scholars at Central
- 4th Place: Jayden Griffie
The Effect of Banana Peels on Snap Peas
Denise Vinton
Scholars at Central

CHEMISTRY

- 1st Place: Isabell Owens
Would You Like a Receipt?
Tim Mulford
Camdenton Middle School

CHEMISTRY (continued)

- 2nd Place: Sophy Wickham-Zhou
Effect of Cooking Pans on Crispness of Cookies
Denise Vinton
Scholars at Central
- 3rd Place: Amore Pennella
Effect of Aluminum Foil on Texture and Color of Cookies
Denise Vinton
Scholars at Central
- 4th Place: Alex Trieu
Effect of Juices on Density of Popping Boba Shells
Denise Vinton
Scholars at Central

EARTH AND SPACE SCIENCE

- 1st Place: Logan Canada
Effect of Martian Sunlight on Sprouting potatoes
Denise Vinton
Scholars at Central
- 2nd Place: William Brown
Watch Out It's the Disasters
Lindsay Paulsell
St. Agnes

ENGINEERING

- 1st Place: Clayton Eck
Sink or Swim
Lindsay Paulsell
St. Agnes
- 2nd Place: Leah Martin
Electricity Produced by Aglaonema Plants
Rob Powers
The Summit Prep
- Haley Cooper
Parabolic Microphone
Keaton Patterson
Marshfield Junior High School
- Claire Szura
Making a Bag with Multiple Uses
Denise Vinton
Scholars at Central

ENGINEERING (continued)

- 3rd Place: Torsten Taylor
Creating a Work Desk for Use on a School Bus
Denise Vinton
Scholars at Central
- Kael Hitchcock
Designing a Musical Lawnmower
Denise Vinton
Scholars at Central
- 4th Place: Manu Eledath
Venture Car: The Regenerative Automobile
Tara Bonebrake
Greenwood Lab School
- Tatum Weaver
Different Types of Materials for Crash Barriers
Tim Mulford
Camdenton Middle School

ENVIRONMENTAL

- 1st Place: Trisha Tewari
Effect of Waste Type on Amount of Biogas Produced
Denise Vinton
Scholars at Central
- 2nd Place: Kierstin Wright
The Effect if Contacts on Earthworms' Weight
Tim Mulford
Camdenton Middle School
- 3rd Place: Paige Schwantes
Hair! Really?
Tim Mulford
Camdenton Middle School
- 4th Place: Cassidy Hannigan
Algae...a Cave's Nemesis
Tim Mulford
Camdenton Middle School

JUNIOR DIVISION PLACEMENT AWARDS

MEDICINE & HEALTH

- 1st Place: Tatum Corbett
Emma Buckthorpe
Some are Silver and the
Other Mold
Aaron Tackett
Immaculate Conception
- 2nd Place: Carter Smith
Nicotine Salts Toxicity to
Drosophila melanogaster
Tim Mulford
Camdenton Middle School
- 3rd Place: Azia May Matthews
The Comparison of Active
Ingredients in Lotion
Denise Vinton
Scholars at Central
- 4th Place: Alexis Welch
Pearly White
Lindsay Paulsell
St. Agnes

PHYSICS

- 1st Place: Noah Patton
Peak Voltage Compared to
Cold-Side Substrate
Tim Mulford
Camdenton Middle School
- 2nd Place: Ugurcan Buyurgan
Oobleck for Helmet Padding
Denise Vinton
Scholars at Central
- 3rd Place: Xuan Huang
Effect of Knot Type on
Shoelace Duration
Denise Vinton
Scholars at Central
- 4th Place: Avinash Pille
The Effects of Temperature
on Magnetic Strength
Miriam Jump
St. Joseph Catholic Academy

ZOOLOGY

- 1st Place: Isabell Hamner
Deer vs. Lavender
Tim Mulford
Camdenton Middle School
- 2nd Place: Lily Bartlett
The Effect of Horse Gender
on Attention Span
Denise Vinton
Scholars at Central
- 3rd Place: Verity Summers Spell
Aleyse Goodfriend
The Effect of Tea on
Crickets' Stridulations
Denise Vinton
Scholars at Central
- 4th Place: Susanna Espinosa
The Effect of Music on
Guinea Pigs' Moods
Denise Vinton
Scholars at Central

THE 2020 SENIOR DIVISION



PLACEMENT AWARD WINNERS!

SENIOR DIVISION PLACEMENT AWARDS

BEHAVIORAL AND SOCIAL SCIENCES

1st Place: Kierstin Vaughan
Effect of Oxytocin on Opiate
Withdrawal Symptoms
Peggy Veatch
Eldon High School

2nd Place: Holton Simmons
The Effects of Moon Phases
on Deer Activity
Tabitha Shaver
Hartville High School

3rd Place: Jackson Trahan
ADH...Wait, What Were We
Talking About?
Tabitha Shaver
Hartville High School

4th Place: Keegan Kirkpatrick
Secret Memory Serum:
Caffeine vs. Concentration
Tabitha Shaver
Hartville High School

BOTANY

1st Place: Ryan Dodds
Reduction of Plant Cd
Concentration Using AVP1
Peggy Veatch
Eldon High School

2nd Place: Mercedes Hanlon
Application of the Endophytic
Trichoderma
Chris Reeves
Camdenton High School

3rd Place: Jaylynn Nichols
Fallen Flowers: Preservative
Effects on Cut Roses
Tabitha Shaver
Hartville High School

CHEMISTRY

1st Place: Kenzi Bustamante
A Simple Assay to Measure
AChE in Blood
Peggy Veatch
Eldon High School

CHEMISTRY (continued)

2nd Place: Elizabeth Cardoza
Oligodynamic Nanoparticle
Enhancement of Polymers
Denise Vinton
Central High School

3rd Place: Katie Rumpfelt
The Effect of Chromium on
Lumbricus terrestris
Tabitha Shaver
Hartville High School

COMPUTER / MATH

1st Place: Hannah Rogers
Motive Sensors for Monitoring
Nitrate Crop Stress
Chris Reeves
Camdenton High School

2nd Place: Fiona Wu
Designing a Deep-Sea Robot
Prototype
Kristy Gilmore
Greenwood Lab School

3rd Place: Caleb Martonfi
Smartwatch Application to
Report HRV
Peggy Veatch
Eldon High School

4th Place: Matthew Denton
Comparing Training
Algorithms in Neural Networks
Adrick Miller
Thayer High School

ENGINEERING

1st Place: Conner Starkey
The Application of a Tactile
Sense of Hearing
Chris Reeves
Camdenton High School

2nd Place: Michael Radlund
Retrofit Building Blast
Mitigation
Chris Reeves
Camdenton High School

ENGINEERING (continued)

3rd Place: Arya Eledath
Buddy: A Multipurpose
Robotic Smart Dog
Kristy Gilmore
Greenwood Lab School

4th Place: Scott Muff
Improvement of WAAM by
Addition of a Cooling Plate
Chris Reeves
Camdenton High School

ENVIRONMENTAL

1st Place: Emma Price
Aquatic Arsenic Assay
Synthesized from Human
Urine
Chris Reeves
Camdenton High School

2nd Place: Jake Theonen
Coupled Toroidal Rings
Chris Reeves
Camdenton High School

3rd Place: Lisa Carpenter
Environmental Impact of
Microfibers on *C. fluminea*
Tara Bonebrake
Greenwood Lab School

4th Place: Lindsey Graves
The Development of a
Bioattractant-Biopesticide
Chris Reeves
Camdenton High School

MEDICINE & HEALTH

1st Place: Jillian Bernabe
The Effect of a Nonenzymatic
CuSe Glucose Sensor
Chris Reeves
Camdenton High School

2nd Place: Drew Patton
The Effects of HDPE and PS
Microplastics
Chris Reeves
Camdenton High School

SENIOR DIVISION PLACEMENT AWARDS

MEDICINE & HEALTH (continued)

2nd Place: Eli Cook
Pollen Levels vs. School
Attendance
Tabitha Shaver
Hartville High School

4th Place: Katie Still
The Effects of Essential Oils
on Blood Pressure
Tabitha Shaver
Hartville High School

MICROBIOLOGY

1st Place: Nicholas Faiferlick
Mutation of *Escherichia coli*
for Plastic Recycling
Chris Reeves
Camdenton High School

2nd Place: Destinie Tunis
The Effects of Histatins and
Nitrates in Saliva
Peggy Veatch
Eldon High School

3rd Place: Raquel Potteiger
Litmus Paper Test for
Detection of
Absence/ Presence of
Campylobacter jejuni
Chris Reeves
Camdenton High School

PHYSICS

1st Place: Ryce Piper
Weights and Basketball
Tabitha Shaver
Eldon High School

**THE 2020
JUNIOR & SENIOR
DIVISION**



**SPECIAL AWARD
WINNERS!**

SPECIAL AWARDS

AMERICAN CHEMICAL SOCIETY – OZARKS CHAPTER

\$25 Cash and Certificate

Junior Division: Sophy Wickham-Zhou
Scholars at Central

Isabell Owens
Camdenton Middle School

\$75 Cash and Certificate

Senior Division: Liz Cardoza
Central High School

Katie Rumpfelt
Hartville High School

AMERICAN METEOROLOGICAL SOCIETY

Certificate

Senior Division: Holton Simmons
Hartville High School

Fiona Wu
Greenwood Lab School

AMERICAN PSYCHOLOGICAL ASSOCIATION

Certificate

Senior Division: Kierstin Vaughan
Eldon High School

THE AMERICAN SOCIETY OF MAMMALOGISTS

Certificate

Junior Division: Isabell Hamner
Camdenton Middle School

Senior Division: Holton Simmons
Hartville High School

ASM MATERIALS EDUCATION FOUNDATION

Ribbon and Certificate

Senior Division: Scott Muff
Camdenton High School

ASSOCIATION FOR WOMEN GEOLOGISTS

Certificate

Senior Division: Fiona Wu
Greenwood Lab School

BROADCOM MASTERS

*Certificate of Award and Advancement to
National Level Competition with awards up to
\$25,000*

Junior Division: Logan Canada
Scholars at Central

Tatum Corbett
Emma Buckthorpe
Immaculate Conception

Clayton Eck
St. Agnes

Sylvie Hudson
Scholars at Central

Aurora Overbey
Scholars at Central

Isabell Owens
Camdenton Middle School

Noah Patton
Camdenton Middle School

Isabella Hamner
Camdenton Middle School

Trisha Tewari
Scholars at Central

CITY OF SPRINGFIELD SOLID WASTE MANAGEMENT

Certificate and Gift Items

Junior Division: Trisha Tewari
Scholars at Central

MISSOURI DEPARTMENT OF CONSERVATION AWARD

Plaque, DVD, Field Guides, Print Materials

Junior Division: Luke Hammock
Scholars at Central

Senior Division: Holton Simmons
Hartville High School

DoD STEM LEADERSHIP PRIZE

\$100 Cash and Certificate

Junior Division: Noah Patton
Camdenton Middle School

THE STAN HOWELL MEMORIAL BOTANY AWARD

Book and Certificate

Junior Division: Aurora Overbey
Scholars at Central

Senior Division: Ryan Dodds
Eldon High School

THE 2020 LEMELSON EARLY INVENTOR PRIZE BY SOCIETY FOR SCIENCE

\$100 Cash Award and Certificate

Junior Division: Kael Hitchcock
Scholars at Central

MISSOURI STATE UNIVERSITY

\$1,000 Scholarship

Senior Division: Kierstin Vaughan
Eldon High School

Ryan Dodds
Eldon High School

Kenzi Bustamante
Eldon High School

Hannah Rogers
Camdenton High School

Conner Starkey
Camdenton High School

SPECIAL AWARDS

MISSOURI STATE UNIVERSITY (continued)

Emma Price
Camdenton High School

Jillian Bernabe
Camdenton High School

Nicholas Faiferlick
Camdenton High School

Ryce Piper
Hartville High School

MISSOURI STATE UNIVERSITY COLLEGE OF NATURAL AND APPLIED SCIENCES JUNIOR GRAND PRIZE AWARD

\$50 Barnes & Noble Gift Card and Certificate

Junior Division: Noah Patton
Camdenton Middle School

MISSOURI STATE UNIVERSITY CNAS JUNIOR GRAND PRIZE ALTERNATE AWARD

Certificate

Junior Division: Isabell Owens
Camdenton Middle School

MISSOURI STATE UNIVERSITY CNAS SENIOR GRAND PRIZE ALTERNATE AWARD

Certificate

Senior Division: Kenzi Bustamante
Eldon High School

Hannah Rogers
Camdenton High School

MISSOURI STATE UNIVERSITY DEPARTMENT OF BIOLOGY WORK STUDY AWARD

\$1,000 Work Study Offer; Certificate to student and Plaque to Teacher

Senior Division: Destinie Tunis
Eldon High School

LOU & NADINE MOORE MEMORIAL AWARD

\$50 Cash and Certificate to the Junior Division projects covering Education or Special Needs

Junior Division: August Kleiboeker
Scholars at Central

Kaden Creed
Scholars at Central

MU ALPHA THETA MATH AWARD

Certificate

Senior Division: Matthew Denton
Thayer High School

NASA EARTH SYSTEM SCIENCE AWARD

Certificate

Junior Division: Logan Canada
Scholars at Central

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION "TAKING THE PULSE OF THE PLANET" AWARD

Letter and Certificate of Award

Junior Division: William Brown
St. Agnes

LISA REECE MEMORIAL AWARD

\$20 Cash, Book, and Certificate

Junior Division: Isaiah Hampton
Scholars at Central

Senior Division: Jaylynn Nichols
Hartville High School

REGENERON INTERNATIONAL SCIENCE AND ENGINEERING FAIR AWARD

Certificate and Advancement to Regeneron International Science and Engineering Fair

Senior Division: Ryan Dodds
Eldon High School

REGENERON INTERNATIONAL SCIENCE AND ENGINEERING FAIR AWARD (continued)

Nicholas Faiferlick
Camdenton High School

RICOH CORPORATION SUSTAINABLE DEVELOPMENT AWARD

Certificate

Senior Division: Emma Price
Camdenton High School

SOCIETY FOR IN VITRO BIOLOGY

Certificate

Senior Division: Emma Price
Camdenton High School

SCHNEIDER FOUNDATION

\$250 Cash & Certificate

Junior Division: Isabell Owens
Camdenton Middle School

Trisha Tewari
Scholars at Central

Tatum Corbett
Emma Buckthorpe
Immaculate Conception

Aurora Overbey
Scholars at Central

Noah Patton
Camdenton Middle
School

\$500 Cash & Certificate

Senior Division: Kierstin Vaughan
Eldon High School

Ryan Dodds
Eldon High School

Kenzi Bustamante
Eldon High School

Hannah Rogers
Camdenton High School

SPECIAL AWARDS

SCHNEIDER FOUNDATION (continued)

Emma Price
Camdenton High School

SMITH GLYNN CALLAWAY FOUNDATION

\$200 Cash Award and Certificate

Junior Division: Tatum Corbett
Emma Buckthorpe
Immaculate Conception

Carter Smith
Camdenton Middle School

300 Cash Award and Certificate

Senior Division: Jillian Bernabe
Camdenton High School

Drew Patton
Camdenton High School

UNITED STATES AIR FORCE

Backpacks and Bound Certificates

Junior Division: Noah Patton
Camdenton Middle School

Isabell Owens
Camdenton Middle School

Senior Division: Ryan Dodds
Eldon High School

Nicholas Faiferlick
Camdenton High School

UNITED STATES METRIC ASSOCIATION

Certificate

Junior Division: Alex Trieu
Scholars at Central

UNITED STATES OFFICE OF NAVAL RESEARCH

Certificate and Medallion

Junior Division: Isabell Owens
Camdenton Middle School

UNITED STATES OFFICE OF NAVAL RESEARCH (continued)

Trisha Tewari
Scholars at Central

Sylvie Hudson
Scholars at Central

Aurora Overbey
Scholars at Central

Noah Patton
Camdenton Middle School

Certificate, Medallion, and \$50 gift card

Senior Division: Arya Eledath
Greenwood Lab School

Johnathon Westhusing
Camdenton High School

UNITED STATES STOCKHOLM JUNIOR WATER PRIZE

Certificate of Award, Advancement to National Competition

Senior Division: Fiona Wu
Greenwood Lab School

Jake Theonen
Camdenton High School

Nicholas Faiferlick
Camdenton High School

USAID SCIENCE CHAMPION AWARD

Certificate and Social Media Toolkit

Senior Division: Drew Patton
Camdenton High School

WOMEN IN SCIENCE

\$25 Gift Certificate

Junior Division: Sophy Wickham-Zhou
Scholars at Central

Senior Division: Mercedes Hanlon
Camdenton High School

YALE SCIENCE & ENGINEERING ASSOCIATION AWARD

Certificate & Pewter Medallion

Senior Division: Fiona Wu
Greenwood Lab School

SPECIAL AWARDS

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

Chris Reeves
Camdenton 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

Denise Vinton
Scholars at Central

THE REGIONAL FAIR DIRECTOR EMERITUS SYLVIA SPEAR MEMORIAL AWARD

\$25 Cash to a First Time Teacher

Jackie McCarthy
Phelps Center

THE JAMES K. TICE MEMORIAL TEACHER AWARD

This award of \$250 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 our coach, teacher, mentor, surrogate parent, and 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:

Aaron Tillman
Marshfield Junior High

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

This award of \$250 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:

Peggy Veatch
Eldon High School

OZARKS SCIENCE & ENGINEERING FAIR JUNIOR DIVISION TEACHER AWARDS

This Certificate is awarded to the teachers of the Junior Division First Place Category winners. The recipients of the Junior Division Teacher Awards for 2021 are:

Tim Mulford
Camdenton Middle School

Lindsay Paulsell
St. Agnes Cathedral School

Aaron Tackett
Immaculate Conception

Denise Vinton
Scholars at Central

OZARKS SCIENCE & ENGINEERING FAIR SENIOR DIVISION TEACHER AWARDS

This Certificate is awarded to the teachers of the Senior Division First Place Category winners. The recipients of the Senior Division Teacher Awards for 2021 are:

Peggy Veatch
Eldon High School

Chris Reeves
Camdenton High School

Tabitha Shaver
Hartville High

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 2021 is:

Tim Mulford
Camdenton Middle School

OZARKS SCIENCE & ENGINEERING FAIR SENIOR DIVISION GRAND PRIZE ALTERNATES TEACHER AWARD

This award of a certificate is awarded to the teacher(s) of the Senior Division Grand Prize Alternates student projects. The recipient(s) of the OSEF Foundation Senior Division Grand Prize Alternates Teacher Award for 2021 is:

Peggy Veatch
Eldon High School

Chris Reeves
Camdenton High 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 2021 are:

Peggy Veatch
Eldon High School

Chris Reeves
Camdenton High School



The Ozarks Science & Engineering Fair Foundation and Steering Committee would like to recognize the volunteers, both individuals and organizations, without whom this event would not be possible. The success of this year's Virtual Fair was only possible with the many of hours of volunteer time behind the scenes and on screen. Our deepest thanks and appreciation to all our volunteers!

In addition, judges from across North America donated their time and expertise to provide a quality experience to every participant. We cannot recognize them all by name, but their efforts are greatly appreciated.

We especially want to acknowledge the generous contributions by Associated Electric Cooperative, Cheryl and Rodney Wrinkle, Missouri State University, and The Schneider Foundation. Their contributions, and the contributions of all of our award donors, recognize student researchers and foster their continued participation in research.

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