

2012 SCIENCE AND ENGINEERING RESEARCH CHALLENGE WINNERS

27th Annual SIUE Regional Competition

BEST OF CHALLENGE: Each will receive a trophy and monetary award

\$600 Challenge Champion Alexander Su University High School

Junior Division

\$400	1 st Place	Elizabeth Ringhausen	St Francis/Holy Ghost School
\$200	2 nd Place	Jordan Crow	Eagle's Wings Academy
\$100	3 rd Place	Tyler Holt	Cassens Elementary

Senior Division

\$400	1 st Place	Conner Ruhl	Governor French Academy
\$200	2 nd Place	Hope Cash & Madison Bemis	Alton High School
\$100	3 rd Place	Joe Twichell & Sabrina Blanco	Alton High School

BEST OF CATEGORY JUNIOR DIVISION: Trophy and \$100

Applied Math & Physics	Jeffrey Feilner	Waterloo Junior High School
Biological Sciences	Jordan Crow	Eagle's Wings Academy
Chemistry	Tyler Holt	Cassens Elementary
Earth Science	Elizabeth Ringhausen	St Francis/Holy Ghost School
Engineering Sciences	Alex Bond, Brandon Lloyd & Sam Minier	Sts Peter & Paul School
Human Sciences	Kelsey Weatherford	Columbia Middle School

BEST OF CATEGORY SENIOR DIVISION: Trophy and \$100

Applied Math & Physics	Alexander Su	University High School
Biological Sciences	Joe Twichell & Sabrina Blanco	Alton High School
Chemistry	Madison Bemis & Hope Cash	Alton High School
Earth Science	Zac Hollis	Columbia High School
Engineering Sciences	Conner Ruhl	Governor French Academy
Human Sciences	Paul Wei	Governor French Academy

PAPER COMPETITION: Each will receive a medal and monetary award

\$100	1 st Place	Alexander Su	University High School
\$50	2 nd Place	Elizabeth Ringhausen	St Francis/Holy Ghost School

REPRESENTATIVES TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (May 13-19, 2012 in Pittsburgh, PA)

Alexander Su	University High School
Conner Ruhl	Governor French Academy

REPRESENTATIVES TO THE IJAS STATE SCIENCE FAIR (May 5, 2012 in Champaign, IL)

Joe Twichell & Sabrina Blanco	Alton High School
Hope Cash & Madison Bemis	Alton High School
Shane Bollini	Alton High School
Meilin Fields	Cathedral Grade School
Zac Hollis	Columbia High School
Kelsey Weatherford	Columbia Middle School
Emily Harzy	Gillespie Middle School
Stephen Demartini	Gillespie Middle School
Noah Martin	Good Shepherd Lutheran School
Paul Wei	Governor French Academy
Travis Rolstead	Governor French Academy
Channing Hunter	Governor French Academy
Martina Hukel	Governor French Academy
Conner Ruhl	Governor French Academy
Caitlyn Redman	Governor French Academy
Cody Hughes	Governor French Academy
Madi Maharaj	Governor French Academy
Genevieve Blanton	Liberty Middle School
Caitlyn Fields	Mt Olive Junior High School
Michelle Reese	St Ambrose Parish School
Nick Wilmsmeyer	St Elizabeth School
Elizabeth Ringhausen	St Francis/Holy Ghost School
Hannah Ervie	St Libory School
Alexander Su	University High School
Austin Bundy	Waterloo High School
Alyssa Busche & Brittany Morris	Waterloo Junior High School
Jeffrey Feilner	Waterloo Junior High School

American Chemical Society, St. Louis Section, for outstanding projects in the area of chemistry:

Grades 5-8

1st Place: Certificate, book, and one year membership to the St. Louis Science Center

Stephen De Martini Gillespie Middle School

2nd Place: Certificate and book

Mickinney Zhang Waterloo Junior High School

3rd Place: Certificate and book

Tyler Holt Cassens Elementary

Honorable Mention:

Hannah Ervie St Libory School

Morgan Swanner & Lindsey Hohlt Lincoln Middle School

Grades 9-12

1st Place: Certificate, book, and one year membership to the St. Louis Science Center

Cody Hughes Governor French Academy

2nd Place: Certificate and book

Madi Maharaj Governor French Academy

3rd Place: Certificate and book

Hope Cash & Madison Bemis Alton High School

American Meteorological Society

Certificate to recognize the most outstanding project in atmospheric or oceanic and hydrologic sciences

Elizabeth Ringhausen St Francis / Holy Ghost School

Armed Forces Communications and Electronics Association, invitation to speak at the awards dinner and cash award:

\$500 1st Conner Ruhl Governor French Academy

\$350 2nd Michelle Reese St Ambrose School

\$150 3rd Nick Wilmseyer St Elizabeth School

Association for Women Geoscientists

Certificate of excellence to honor a female student whose project exemplifies high standards of innovativeness and scientific excellence in the geosciences, or promotes the sensitivity to the earth as a global system.

Elizabeth Ringhausen St Francis / Holy Ghost School

Broadcom Masters

Certificate and nomination to continue to the Society for Science and the Public competition

Callie Becker & Ellyn Dorries All Saints Academy

Ryan Huelsmann All Saints Academy

Maggi McCarthy Alton Middle School

Meilin Fields Cathedral Grade School

Kelsey Weatherford Columbia Middle School

Jordon Crow Eagle's Wing Academy

Stephen Demartini Gillespie Middle School

Colin Tieman Gillespie Middle School

Cierra Frields Good Shepherd Lutheran School

Noah Martin Good Shepherd Lutheran School

Tony Scatturo Good Shepherd Lutheran School

Lacey Hanratty & Delaney Rigney Grantfork Elementary

Genevieve Blanton Liberty Middle School

Morgan Swanner & Lindsey Hohlt Lincoln Middle School

Maria Clarke Mt Olive Junior High

Abby Labonte Mt Olive Junior High

Jacob Smith & Alex Williams Roxana Junior High

Alex Bond, Brandon Lloyd & Sam Minier SS Peter and Paul School

Anna Boschert St Elizabeth School

Elizabeth Ringhausen St Francis / Holy Ghost School

Jared Kuebrich St Francis / Holy Ghost School

Sally Reed St Francis / Holy Ghost School

Tess Wolf St Libory School

Danielle Boulanger St Paul Catholic School

Jeffrey Feilner Waterloo Junior High School

Angela Stratman Waterloo Junior High School

Amy Zhao Waterloo Junior High School

Emily Haar Woodland Elementary

Anna Goestenors, Taylor Douglas Woodland Elementary

& Emily Borkowski

Intel Excellence in Computer Science

Certificate and \$200 to recognize the most outstanding computer science project at the high school level
Conner Ruhl Governor French Academy

Jean V. Price Memorial Award, Watershed Nature Center:

Friends of Nature Award: certificate and \$25 to students whose project expresses insight into environmental issues

Emily Harzy Gillespie Middle School
Nathan Wheaton & Zoe Mack Alton Middle School
Alyssa Busche & Brittany Morris Waterloo Junior High School

Environmental Action Award: certificate and \$50 to a student whose project explores the benefits of environmental actions
Zac Hollis Columbia High School

Mu Alpha Theta

Certificate to recognize a challenging, original, thorough and creative investigation of a mathematics problem
Meilin Fields Cathedral Grade School

National Oceanic and Atmospheric Administration

Certificate and medal to honor a student whose research emphasizes NOAA's mission to understand changes in the Earth
Emily Haar Woodland Elementary

RICOH Sustainable Development Award

Certificate awarded to the student whose project offers the greatest potential for increasing socially responsible businesses.
Zac Hollis Columbia High School

Society of American Military Engineers

Best of grade winners receive a Certificate of Excellence and a \$50 savings bond

Kyle Walsh Cassens Elementary
Caroline O'Neill Liberty Middle School
Caroline Stewart Governor French Academy
Caitlyn Redman Governor French Academy
Hope Cash & Madison Bemis Alton High School
Martina Hukel Governor French Academy
Austin Bundy Waterloo High School
Ben White Governor French Academy

Best of Fair receives a trophy and \$200 savings bond
Zac Hollis Columbia High School

Stockholm Junior Water Prize

Certificate awarded to the student whose project aimed at enhancing the quality of life through the improvement of water quality
Zac Hollis Columbia High School

Transportation and Logistics Award

1st place: Medal and Grey Star

Zach Hellickson Good Shepherd Lutheran School

2nd place: Medal

Caroline O'Neill Liberty Middle School

U.S. Air Force

Certificate and sports bag, portable speaker and organizer to recognize the outstanding projects in applied engineering and physics

Jeffrey Feilner Waterloo High School
Alec Mills & Wyatt Engeman Lincoln Middle School
Noah Martin Good Shepherd Lutheran School

U.S. Army

Certificate of Achievement to recognize outstanding projects

Noor Aftab Governor French Academy
Zac Hollis Columbia High School
Cody Hughes Governor French Academy
Martina Hukel Governor French Academy
Madi Maharaj Governor French Academy
Travis Rolstead Governor French Academy
Conner Ruhl Governor French Academy
Alexander Su University High School
Joe Turchell & Sabrina Blanco Alton High School
Poju Wei Governor French Academy

Yale Science & Engineering Association

Certificate of recognition to the most outstanding 11th grade student

Austin Bundy Waterloo High School