



# NEIRSEF Notes

Northeast Indiana Regional Science and Engineering Fair

• May 2007

## Letter from the Director

You have a lot to be proud of related to the Science and Engineering Fair! Your dedicated time and effort resulted in **58 schools with 292 students** advancing to the Regional Fair. Projects were excellent! The judges who reviewed displays and interviewed students were impressed with the solid science knowledge and innovative ideas generated from your classes.

**We applaud you and want to extend our appreciation and admiration for your efforts this year! Without you and your local fair, the Regional Fair would not be possible.**

We also thank the 73 judges, 28 volunteers, 10 Fair Committee members, 14 SRC (Scientific Review Committee) members, and the IPFW staff and faculty who contributed to the Fair. Their enthusiasm and volunteer time are critical to IPFW hosting the Fair each year.

We are proud of the community organizations that support and sponsor the Fair each year. Raytheon, International Truck and Engine, and all the sponsors of 64 local awards with a cash value of almost \$3000 and \$1000 in scholarships.

**Congratulations to every student who advanced to the Fair and to the students who received an award!**

Finally, we often are asked about why the Regional Fair adheres so closely to the ISEF (International Science and Engineering Fair) policies and requirements. One answer is that our compliance makes the Regional Fair eligible to offer 35 ISEF awards. In addition, our Regional representatives to ISEF are eligible to win over one million dollars in scholarships, cash awards, and science trips. We thank all of you for your perseverance in helping us adhere to the ISEF requirements regarding rules and paperwork.

Thank you and we look forward to your participation next year. Have a great summer!

Carol Dostal  
and the  
College of Engineering, Technology, and Computer Science  
Outreach Staff

## Congratulations State Science and Engineering Fair Winners!

On Saturday, March 31, six students from our region competed in the Hoosier State Science and Engineering Fair at IUPUI. All of our students made an excellent showing and we congratulate them on their accomplishments!

**Rishika Chauhan**, Snider High School, Fort Wayne  
Finalist Div-Placement-Life Sciences-2nd Place:  
medal, ribbon, \$35;  
3rd place-Excellent use of statistics: certificate & \$100

**August Steigmeyer**, Canterbury High School, Fort Wayne, Indiana  
Scholars Award: certificate & \$1000 scholarship to IU Bloomington

**Jacques Chansavang**, Canterbury High School, Fort Wayne, Indiana  
Scholars Award: certificate & \$1000 scholarship to IU Bloomington;  
Best Veterinary Medicine Project: certificate, medalion, & cash award

**Lindsay Crawford**, Summit Middle School, Fort Wayne, Junior Div-Placement-Physics-1st Place:  
ribbon, medal & \$50;  
Honorable Mention-Excellent use of statistics:  
certificate

**Jodie Goodman**, Canterbury, Fort Wayne:  
Junior Div-Life Sciences-1st Place: ribbon, medal & \$50

**Anna Tatar**, Woodside Middle School, Fort Wayne, Innovation and Scientific Excellence in Geosciences (female): certificate

**Senior Division Representative to International Science & Engineering Fair in Albuquerque, NM**

**Rishika Chauhan**, Snider High School and  
**August J Steigmeyer**, Canterbury High School

# 2007 Award Winners

---

## Elementary Division

**Kindergarten**, 1st Place: Tina J Kindler, St. John the Baptist; 2nd Place, Orry Gray, Queen of Angels; Gavin Hunsche, Croninger; 3rd Place: Josh Butts, Arcola; Shaughn Gray, Franke Park; Brooklyn G Kelley, Churubusco; 4th Place: Gwentyth Bradger, Arcola; Sarah Russell, Whispering Meadows; 5th Place: Madison Claycomb, Harris.

**1st grade**, 1st Place: Arnie Lal, Canterbury; 2nd Place: Emma L Case, Weisser Park/Whitney Young; 3rd Place: Kaarin Herendeen, Canterbury; Garrett Willis, Deer Ridge; 4th Place: Miguel Hernandez, Whispering Meadows; Noah Isch, Queen of Angels; Skylar Sowders, Coesse; James Swinehart, Haverhill.

**2nd grade**, 1st Place: Lindsey Marriott, Arlington; 2nd Place: Megan Crawford, Lafayette Meadows; 3rd Place: Allison Brown, Coesse; Grace J Hines, Orchard Day; Madison Hines, Lincoln; 4th Place: Eric Peters, Lafayette Meadows; Avery Volz, Croninger; 5th Place: Emily Dykstra, Deer Ridge.

**3rd grade**, 1st Place: Kaden Mendenhall, Franke Park; 2nd Place: Ethan J Anderson, Fort Wayne Area Home; Nirupama Devanathan, Lafayette Meadows; Joey Johns, Haverhill; Roshni Kazmi, Glenwood Park; Halayne T Martin, Castleton Academy; Jeru Qadar, Washington; Alex F Smothermon, Fort Wayne Area Home; Jessica A VandenBoom, Ossian.

**4th grade**, 1st Place: Mason Walther, Aboite; 2nd Place: Rachel Simon, Canterbury; Jeremy Tatara, Deer Ridge; 3rd Place: Joseph Fazzaro, Arlington; 4th Place: Urvi Joshi, St. Joseph Central; Erin Tidd, Maconaquah; 5th Place: Roger Chase, Haverhill; Sydney Witzigreuter, Towles Intermediate Montessori.

**5th grade**, 1st Place: Sam Showalter, Whispering Meadows; 2nd Place: Geoffrey Justice, Irwin; Holden T Martin, Castleton Academy; 3rd Place: Caleb A Belth, Fort Wayne Area Home; Zachary Brown, Aboite; Michael Cler, Haley; 4th Place: Erik Overdahl, Aboite; 5th Place: Arielle Zajicek, North Webster.

## Junior Division

**Animal Sciences**, 1st Place: Matthew A Gorman, Wyneken Memorial; 2nd Place: Nanette D Kersjes, St. John the Baptist.

**Behavioral and Social Sciences**, 1st Place: Jodie E Goodman, Canterbury; 2nd Place: Anne E Canavati, Canterbury; Melanie B Venderley, St. Charles, Fort Wayne; 3rd Place: Michael J Gludemans, St. Vincent de Paul; Dylan R Simpson, Queen of Angels; 4th Place: Claire K Barbieri, St. Vincent de Paul.

**Biochemistry**, 3rd Place: Austin M Sommers, Sharp Creek.

**Cellular and Molecular Biology**, 1st Place: Andrew R Crawford, Summit.

**Chemistry**, 1st Place: Cassandra E Jones, Whitko; 2nd Place: Adam J Konger, Whitko; Gabe L Vondran, St. John the Baptist; 3rd Place: Alyssa M McKee, Whitko; 4th Place: Max A Roesler, St. Vincent de Paul; 5th Place: Emily A Gelbaugh, Harlan.

**Energy and Transportation**, 1st Place: Marshall R Nill, St. Vincent de Paul; 2nd Place: David S Bell, Queen of Angels; 3rd Place: Will J Voors, St. Vincent de Paul.

**Engineering**, 1st Place: Rebecca L Belth, Fort Wayne Area Home; 3rd Place: Paul Lohmuller, Most Precious Blood; 4th Place: Mary Ann Skora, St. Jude; Karson York, St. Charles, Fort Wayne.

**Environmental Science**, 1st Place: Anna N Tatara, Woodside; 2nd Place: Zachary Q Jones, Whitko; 3rd Place: Michelle E Hendricks, Sharp Creek; 4th Place: Brian T Grabowski, Queen of Angels.

**Mathematics**, 2nd Place: Adam M Simpson, Queen of Angels.

**Medicine and Health**, 1st Place: Sally J. Kim, Canterbury; 2nd Place: Rachel M Miller, St. John the Baptist; 4th Place: Katie M Gerardot, Woodburn; Maria L Harlan, Queen of Angels.

**Microbiology**, 1st Place: Stephanie E Ehlerding, Wyneken Memorial.

**Physics**, 1st Place: Lindsay J Crawford, Summit; 2nd Place: John P Hagedorn, Summit; Victoria Sengstack, Canterbury; 3rd Place: Hunter T Martin, Castleton Academy; 4th Place: David L Pan, Summit; 5th Place: Samuel A Johnson, St. John the Baptist; Evan R Strack, Summit.

**Plant Sciences**, 1st Place: Eric D Emerick, Canterbury; 2nd Place: Nicole Slaymaker, Whitko; 3rd Place: Alyssa C Richter, Sharp Creek.

**Team Projects**, 1st Place: Danny Murray and William Toenges, St. Jude; 2nd Place: Hannah Bair and LeAnna Phillips, St. Jude; 3rd Place: Aaron Bender and Christian Mack, St. Jude; Madyson L Evans and Hannah L Poole, Sharp Creek.

## Senior Division

**Biochemistry**, 1st Place: Hari Vasu, Homestead.

**Environmental Science**, 1st Place: August J Steigmeyer, Canterbury; 2nd Place: Jacques Chansavang, Canterbury.

**Plant Sciences**, 1st Place: Rishika Chauhan, Snider.

## Special Awards

**American Chemical Society**, \$75 and invitation to annual dinner meeting: Cassandra E Jones, Whitko; Hari Vasu, Homestead.

**Association for Women Geoscientists**, certificate: Anna N Tatara, Woodside.

**American Psychological Association**, certificate: Jodie E Goodman, Canterbury.

**Linda Balthaser Healthy Living/Healthy Planet Award**, healthy living book: Allison Brown, Coesse; Sam Showalter, Whispering Meadows; Sally J. Kim, Canterbury; healthy planet book: Megan Crawford, Lafayette Meadows; Erik Overdahl, Aboite; Anna N Tatara, Woodside; August J Steigmeyer, Canterbury.

# 2007 Award Winners

---

## **Special Awards continued**

**Discovery Young Scientist Challenge**, certificate and pin: Geoffrey Justice, Irwin; Holden T Martin, Castleton Academy; Sam Showalter, Whispering Meadows; Rebecca L Belth, Fort Wayne Area Home; Lindsay J Crawford, Summit; Andrew R Crawford, Summit; Stephanie E Ehlerding, Wyneken Memorial; Eric D Emerick, Canterbury; Jodie E Goodman, Canterbury; Matthew A Gorman, Wyneken Memorial; Cassandra E Jones, Whitko; Sally J. Kim, Canterbury; Marshall R Nill, St. Vincent de Paul; Anna N Tatara, Woodside.

**Fox Island Alliance**, membership, certificate, and \$25: Megan Crawford, Lafayette Meadows; Zachary Q Jones, Whitko; August J Steigmeyer, Canterbury.

**Friedel Director's Award**, best in each elementary grade, \$50, Kindergarten: Tina J Kindler, St. John the Baptist; 1st grade: Arnie Lal, Canterbury; 2nd grade: Lindsey Marriott, Arlington; 3rd grade: Kaden Mendenhall, Franke Park; 4th grade: Mason Walther, Aboite; 5th grade: Sam Showalter, Whispering Meadows.

**Arthur W. Friedel Most Promising Young Scientist Award**, certificate and \$100: Mason Walther, Aboite.

**William Joseph Gabet Award**, \$25: Mason Walther, Aboite; Sally J. Kim, Canterbury; \$100: Rishika Chauhan, Snider.

**Herbert Hoover Presidential Library Assoc, Young Engineer Award**, certificate & medallion: Marshall R Nill, St. Vincent de Paul.

**Huntington University**, certificate and \$50: Matthew F Danielson, Sunnybrook; Hari Vasu, Homestead.

**Institute of Electrical and Electronics Engineers**, \$25: Hari Vasu, Homestead; Will J Voors, St. Vincent de Paul; \$50: Rishika Chauhan, Snider; Lindsay J Crawford, Summit.

**International Society for Optical Engineering**, certificate: Lindsay J Crawford, Summit.

**IPFW Department of Psychology**, \$50 gift certificate: Jodie E Goodman, Canterbury.

**IPFW Faculty Tribute Award** for creativity in elementary division, \$50: Avery Volz, Croninger.

**IPFW Science Scholars Award**, best 12th grade project, \$500 scholarship: Rishika Chauhan, Snider; Hari Vasu, Homestead.

**Isaac Knapp District Dental Society Award**, \$50 and certificate: Kevin Auer, Covington.

**Arthur G. Kurtz Memorial Award**, junior, \$100: Lindsay J Crawford, Summit; senior, \$150: August J Steigmeyer, Canterbury.

**Little River Wetlands Project**, \$10 gift certificate, membership: Michael F Scott, New Haven; Zachary Q Jones, Whitko; August J Steigmeyer, Canterbury.

**National Oceanic & Atmospheric Administration**, certificate: Zachary Q Jones, Whitko.

**National Society of Professional Engineers**, certificate, lapel pin, subscription to Engineering Times: Rebecca L Belth, Fort Wayne Area Home.

**Northeastern Indiana Veterinary Medical Association**, \$50: Katherine G Toenges, St. Jude; \$100: Emily Dykstra, Deer Ridge; Jessie C McClure, Southern Wells; \$125: Matthew A Gorman, Wyneken Memorial; Nanette D Kersjes, St. John the Baptist.

**Purdue University School of Agriculture**, \$50 and certificate: Rishika Chauhan, Snider; certificate: Eric D Emerick, Canterbury; Michael F Scott, New Haven.

**Ricoh Corporation**, certificate and subscription to Science News: Nicole E Slaymaker, Whitko.

**Science and Regulatory Consultants**, best study design, shirt and \$25: Rachel Simon, Canterbury; shirt and \$50: Melanie B Venderley, St. Charles, Fort Wayne; shirt and \$75: Jacques Chansavang, Canterbury.

**Society of Automotive Engineers**, elementary, \$40: John Langmaid, South Whitley; Jessica A VandenBoom, Ossian; junior, \$60: David S Bell, Queen of Angels; senior, \$100: Rishika Chauhan, Snider.

**Society of Manufacturing Engineers, Fort Wayne Chapter 56**, elementary, \$25: Josh Butts, Arcola; Emmett Elizondo, Deer Ridge; Lindsey Marriott, Arlington; Halayne T Martin, Castleton Academy; junior, \$50: Taylor J Zigon, Lakeview; senior, \$100: Matthew F Danielson, Sunnybrook.

**U.S. Air Force**, padfolio, thumb drive, PDA, pen & pencil, and certificate: David S Bell, Queen of Angels; Lindsay J Crawford, Summit; Paul Lohmuller, Most Precious Blood.

**U.S. Army**, certificate, padfolio, and shirt: August J Steigmeyer, Canterbury; Hari Vasu, Homestead; certificate, padfolio, shirt, and medallion: Rishika Chauhan, Snider.

**U.S. Metric Association**, certificate: Rishika Chauhan, Snider.

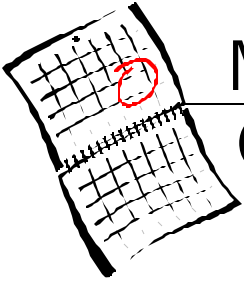
**U.S. Health and Human Services**, certificate signed by Surgeon General: Andrew R Crawford, Summit.

**U.S. Navy and Marine Corps**, junior, certificate and letter: Lindsay J Crawford, Summit; Marshall R Nill, St. Vincent de Paul; senior, \$50 and certificate: Jacques Chansavang, Canterbury; Hari Vasu, Homestead.

**Water Environment Federation, Stockholm Junior Water Prize**: Jacques Chansavang, Canterbury.

**Waynedale Lions Bill & Ethyle Bloch Memorial Award**, junior 1st Place, \$50: Anna N Tatara, Woodside; 2nd Place, \$25: Zachary Q Jones, Whitko; 3rd Place, \$15: Michelle E Hendricks, Sharp Creek; senior 1st Place, \$50: August J Steigmeyer, Canterbury; 2nd Place, \$25: Jacques Chansavang, Canterbury.

**Yale Science and Engineering Association**, certificate and medallion: Jacques Chansavang, Canterbury.



# MARK YOUR CALENDARS!

***The March date and all deadlines  
for the 2008  
Northeast Indiana Regional  
Science and Engineering Fair  
will be posted on the website by  
August 1<sup>st</sup>.  
[www.ipfw.edu/scifair](http://www.ipfw.edu/scifair)***

## NEIRSEF Contact Information

---

### **Carol Dostal, NEIRSEF Director**

College of Engineering, Technology & Computer Science  
IPFW, ET 243  
2101 East Coliseum Boulevard  
Fort Wayne, IN 46805  
Phone: (260) 481-6905  
Email: [dostalc@ipfw.edu](mailto:dostalc@ipfw.edu)

### **Caryl Spira, NEIRSEF Educator Liaison**

College of Engineering, Technology & Computer Science  
IPFW, ET 243  
2101 East Coliseum Boulevard  
Fort Wayne, IN 46805  
Phone: (260) 481-5756  
Email: [spirac@ipfw.edu](mailto:spirac@ipfw.edu)

### **Dr. Trent Parker, SRC Chair**

Department of Human Services  
IPFW Neff 120  
2101 East Coliseum Boulevard  
Fort Wayne, IN 46805  
Phone: (260) 481-5456  
Email: [parkert@ipfw.edu](mailto:parkert@ipfw.edu)

[www.ipfw.edu/scifair](http://www.ipfw.edu/scifair)

Northeast Indiana Regional Science and Engineering Fair  
Indiana University-Purdue University Fort Wayne  
2101 East Coliseum Boulevard ET #243  
Fort Wayne, IN 46805

