

2011 FINAL AWARDS

Senior Division Sweepstakes Winners

The first place (sweepstakes) winner received a gold state plaque, a hooded sweatshirt, a \$500 cash award and \$12,000 scholarship (\$3,000 per year – 4 years) to the University of North Dakota and will advance to the ISEF in Los Angeles California in May and will exhibit his/her project.

The second place (sweepstakes runner-up) winner received a silver state plaque, a hooded sweatshirt, a \$250 cash award and a \$10,000 scholarship (\$2,500 per year – 4 years) to the University of North Dakota and will advance to the ISEF in Los Angeles California in May and will exhibit his/her project.

The third place (sweepstakes 2nd runner-up) winner received a state plaque, a hooded sweatshirt, a \$150 cash award and will advance to the ISEF in Los Angeles California in May and will exhibit his/her project.

Senior Division – 1st Place – Sweepstakes Winner

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on *Phaseolus vulgaris* Production"

Senior Division – 2nd Place – Sweepstakes Runner-Up

Tanner Coppin, Hankinson School District, "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

Senior Division – 3rd Place – Sweepstakes Second Runner-Up

Dre Steinwehr, Hankinson School District, "The Biocidal Attributes of the Family Lamiaceae"

North Dakota State Science and Engineering Fair

Senior Division Place Winners

The first and second place winners received a gold plaque and hooded sweatshirt and will advance to the ISEF in Los Angeles California in May and will exhibit their project.

All third and fourth place winners received a silver plaque and are alternates to the ISEF in Los Angeles California in May but will not exhibit their project unless a first or second place winner cannot attend.

Northwest Region

1st Place - Jessa Zimmerman, Trenton School District, "Salty Situation"

2nd Place - Sarah Telehey, Williston Trinity Christian School District, "Strong Soil - Safe Roads"

3rd Place - Kodi Brodhead, Trenton School District, "Baby Got Bac...teria"

4th Place - Jasmine Kreft, Williston Trinity Christian School District, "Asthma Attack"

Northeast Region

1st Place - Vahid Fazel-Rezai, G.F. Red River School District, "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

2nd Place - Rheanna Quam, Dakota Prairie School District, "The Effect of Common Drugs on the Heart Rate of *Daphnia magna*"

3rd Place - Bill Klose, Valley/Edinburg School District, "Placement of Trailer's Axle for Best Weight Displacement"

(1st Place winner is the only presenter from region at ISEF.)

North Dakota State Science and Engineering Fair

Southwest Central Region

1st Place - Emme Hulm, Strasburg School District, "Heat Loss vs Roof Types"

2nd Place - Matthew Schaeffbauer, Strasburg School District, "Dairy Farmers Dream III"

3rd Place - Suzanne Ternes, Strasburg School District, "Cold Pack Chemistry"

4th Place -- Kellie Tougas, Strasburg School District, "What Type of Solvent Causes

Marble to Deteriorate?" 5th Place - Sarah Scaff, Grant County School District,

"Measuring Knee Stress"

(1st, 2nd, and 3rd Place Winners are Presenters at ISEF)

Southeast Central Region

1st Place - Tyler Toepke Floyd, Wishek School District, "Size Does Matter, But Does Shape?"

2nd Place - Ben Schuler, Wishek School District, "Light Speed II"

3rd Place - Nicholas Knoblich, Ashley School District, "Magnetic Water Treatment"

4th Place - Tucker Meidinger, Ashley School District, "Does Food Fat Effect Pain Relievers"

Southeast Region

1st Place - Caleb Meyer, Hope School District, "Natural Selection"

2nd Place - Jennifer Riemann, Hankinson School District, "The Antibacterial and Preserving Abilities of Wildflower Extracts"

3rd Place - Gage Metzen, Hankinson School District, "The Phytoremediation Properties of Aquatic Plants on River Water"

4th Place - Kelsey Gaukler, Hankinson School District, "The Analysis of Lake Water Quality and Its Effects on Crayfish Growth"

North Dakota State Science and Engineering Fair

Junior Division Sweepstakes Winners

The first place (Sweepstakes) winner received a gold state plaque and a \$100 cash award from the North Dakota State Science and Engineering Fair Association.

The second place (Sweepstakes Runner-Up) winner received a silver state plaque and a \$50 cash award from the North Dakota State Science and Engineering Fair Association.

Junior Division 1st Place – Sweepstakes Winner

Grady Mauch, Hankinson School District, "The Pesticidal Aspects of the Aster Family on Beta vulgaris"

Junior Division 2nd Place – Sweepstakes Runner-Up

Hunter Pinke, Wishek School District, "What are the breaking points of different species of wood"

Junior Division Place Winners

All first and second place winners received a gold plaque. All third and fourth place winners received a silver plaque.

Northwest Region

1st Place - Bailey Hagen, Trenton School District, "You Can't Resist Me!"

2nd Place - Cheyenne Liedle, Tioga School District, "Nothing But Net"

3rd Place - Trinda Eubanks, Williston Trinity Christian School District, "Fading Flowers"

4th Place - Kelsey Guttormson, Tioga School District, "Crazy Colors"

North Dakota State Science and Engineering Fair

Northeast Region

1st Place - Hayley Fingarson, Valley/Edinburg School District, "Eliminating Bacteria From Dish Cloths" 2nd Place - Abbie Sondeland, Valley/Edinburg School District, "Safety of Fabrics Around Open Flame"

3rd Place - Selena Hobbs, Valley/Edinburg School District, "Effect of the Color of Light on Growth and Chlorophyll Content of Ivy"

4th Place - Josh Holm, Valley/Edinburg School District, "Effect of Design on Bridge Efficiency"

Southwest Central Region

1st Place - Megan Steinmetz, Grant County School District, "Are They Safe?"

2nd Place - Natalie Duppong, Glen Ullin School District, "Are You in Your Right Mind"

3rd Place - Tanner Sehn, Linton School District, "Stretch It to Test It"

4th Place - Lucas Nistler, Golva School District, "Melting Matters"

Southeast Central Region

1st Place - Grace Schuler, Wishek School District, "Hydroponics: Well Water vs. Reverse Osmosis"

2nd Place - Sean Loken, Wishek School District, "B.E.A.M. solar energy engine technology "

3rd Place - Brenna Ketterling, Wishek School District, "Fertilizer affect on Soy Beans"

4th Place - Katelyn Fastnacht, Ellendale School District, "A Clear Solution"

North Dakota State Science and Engineering Fair

Southeast Region

1st Place - Paige Buck, Hankinson School District, "A Comparative Study of Poultry Supplements on Gallus domesticus"

2nd Place - Matthias Larson, Oak Grover Lutheran School District, "Snails Choice: Native Invasive"

3rd Place - Wyatt Wilm, Hankinson School District, "The Comparison of Commercial and Natural Liquid Hand Soaps"

4th Place - Betsy Asp, Hankinson School District, "The Enhancing Impacts of Herbs on Garden Beans"

Aerospace Sciences

UND John D. Odegard School of Aerospace Sciences

Project in Aerospace or Computer Science

1 Winner: Junior Division: A Cash Award of \$50 and a Certificate

Hudson McHenry, Kidder Co. Tappen School District, "Which Wind Blade Design Works the Best?"

UND John D. Odegard School of Aerospace Sciences

Project in Aerospace or Computer Science

1 Winner: Senior Division: A Cash Award of 100 and a Certificate

Caleb Meyer, Hope School District, "Natural Selection"

North Dakota State Science and Engineering Fair

Agriculture

UND Graduate School

Project Related to Agriculture

1 Winner: Junior Division: A Cash Award of \$50 and a Certificate

Paige Buck, Hankinson School District, "A Comparative Study of Poultry Supplements on Gallus domesticus"

UND Graduate School

Project Related to Agriculture

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Senior Division: A Cash Award of \$75 and a Certificate

Trena Poole, Williston Trinity Christian School District, "Yeast Effect"

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Senior Division: A Cash Award of \$25 and a Certificate

Lydia Kinneberg, Dakota Prairie School District, "Phytoremediation"

North Dakota State Science and Engineering Fair

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Junior Division: A Cash Award of \$75 and a Certificate

Grady Mauch, Hankinson School District, "The Pesticidal Aspects of the Aster Family on Beta vulgaris"

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Junior Division: A Cash Award of \$25 and a Certificate

Carter Mauch, Hankinson School District, "The Effects of Weed Extracts on Glycine max"

Farmers Union Insurance - North Dakota

Project Related to Agriculture

2 Winners: Senior Division: A Cash Award of \$50 and a Certificate

Tanner Coppin, Hankinson School District, "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

Jonathan Ketterling, Wishek School District, "Advanced Genetic Intervention"

North Dakota State Science and Engineering Fair

Farmers Union Insurance - North Dakota

Project Related to Agriculture

2 Winners: Junior Division: A Cash Award of \$25 and a Certificate

Lisa Buckhaus, Hankinson School District, "The Effects of DDG on the Weight Gain and Mental Ability of Rats"

Betsy Asp, Hankinson School District, "The Enhancing Impacts of Herbs on Garden Beans"

Arts and Sciences

Association of North Dakota Geographers

Project in the Field of Social Science

1 Winner: Senior Division: Monetary award of \$125 and a certificate Morgan Uriell, Lakota School District, "talkin 2 my friends"

Biochemistry

North Dakota State Science and Engineering Fair Association

Project in Field of Biochemistry

1 Winner: Junior Division: A Cash Award of \$25 and A Certificate

Alyssa Beeson, Hankinson School District, "Juice Potential and the Vitamin C Content of Citrus Fruits"

North Dakota State Science and Engineering Fair

North Dakota State Science and Engineering Fair Association

Project in Field of Biochemistry

1 Winner: Senior Division: A Cash Award of \$25 and A Certificate

Tucker Meidinger, Ashley School District, "Does Food Fat Effect Pain Relievers"

Biology, Life Science, Animal Science, Plant Science

UND Department of Biology

Project in Biology

1 winner: Junior Division: Monetary award of \$50 and a certificate

Paige Buck, Hankinson School District, "A Comparative Study of Poultry Supplements on Gallus domesticus"

UND Department of Biology

Project in Biology

1 winner: Senior Division: Received Monetary award of \$100 and a \$300 UND Biology scholarship and a certificate

Jessa Zimmerman, Trenton School District, "Salty Situation"

Business Administration

UND College of Business and Public Administration

Project Related to Economics, Technology, or Information Systems

1 Winner: Junior Division: A Cash Award of \$50 and a Certificate

Alycia McGlothlin, Williston Trinity Christian School District, "Incandescent Vs CFL - Battle Of The Bulbs"

North Dakota State Science and Engineering Fair

UND College of Business and Public Administration

Project Related to Economics, Technology, or Information Systems

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Dre Steinwehr, Hankinson School District, "The Biocidal Attributes of the Family Lamiaceae"

Chemistry

UND Department of Chemistry

Project in Chemistry Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

Alyssa Beeson, Hankinson School District, "Juice Potential and the Vitamin C Content of Citrus Fruits"

UND Department of Chemistry

Project in Chemistry Category

1 winner: Senior Division: Monetary award of \$100 and a certificate and a \$300 UND Scholarship

Jonathan Schiltz, Hankinson School District, "A Comparative Study of the School's Water Dispensers"

American Association for Clinical Chemists

Project in Clinical Chemistry

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Rheanna Quam, Dakota Prairie School District, "The Effect of Common Drugs on the Heart Rate of *Daphnia magna*"

North Dakota State Science and Engineering Fair

American Chemical Society-Red River Valley Section

Project in Field of Chemistry

1 Winner: Junior or Senior Division: A \$100 Savings Bond, A Set of Buckyballs, A 5-in-1 Pen, and a Certificate

Gage Metzen, Hankinson School District, "The Phytoremediation Properties of Aquatic Plants on River Water"

UND Chapter of IOTA SIGMA (Honor Society for Women Chemists)

Project in Chemistry Category

1 Winner (must be a female exhibitor): Junior or Senior Division: A Cash Award of \$50 and a Certificate Alyssa Beeson, Hankinson School District, "Juice Potential and the Vitamin C Content of Citrus Fruits"

Dentistry

North Dakota Dental Association

Project Related to Dentistry

2 Winners: Junior Division: A Cash Award of \$50 and a Certificate

Nicolas Kramer, Strasburg School District, "Dirty Mouth"

Erik Holzer, Linton School District, "'C' for Yourself"

North Dakota Dental Association

Project Related to Dentistry

2 Winners: Senior Division: A Cash Award of \$50 and a Certificate

Suzanne Ternes, Strasburg School District, "Cold Pack Chemistry"

Tucker Meidinger, Ashley School District, "Does Food Fat Effect Pain Relievers"

North Dakota State Science and Engineering Fair

Energy, Power, Electricity

MDU Resources Group, Inc.

Project Related to Energy or Electricity

3 Winners: Senior Division: A Cash Award of \$25 and a Certificate

Nicholas Knoblich, Ashley School District, "Magnetic Water Treatment"

Caleb Meyer, Hope School District, "Natural Selection"

Ryan Joyce, Tioga School District, "Wired"

MDU Resources Group, Inc.

Project Related to Energy or Electricity

3 Winners: Junior Division: A Cash Award of \$25 and a Certificate

John Baumgardner, Oak Grove Lutheran School District, "Steam vs. Air"

Hudson McHenry, Kidder Co. Tappen School District, "Which Wind Blade Design Works the Best?" Sean Loken, Wishek School District, "B.E.A.M. solar energy engine technology "

Otter Tail Power Company

Project Related to Energy or Electricity

3 Winners: Senior Division: A Cash Award of \$50 and a Certificate

Caleb Meyer, Hope School District, "Natural Selection"

Nicholas Knoblich, Ashley School District, "Magnetic Water Treatment"

Ross Knoll, Ashley School District, "To Gel or Not to Gel"

North Dakota State Science and Engineering Fair

Otter Tail Power Company

Project Related to Energy or Electricity

2 Winners: Junior Division: A Cash Award of \$50 and a Certificate

John Baumgardner, Oak Grove Lutheran School District, "Steam vs. Air"

Dillon Kluksdahl, Sterling School District, "Vanishing Act"

Xcel Energy

Project Related to Energy or Electricity

3 Winners: Junior Division: A Cash Award of \$25 and a Certificate

Dillon Kluksdahl, Sterling School District, "Vanishing Act"

Hudson McHenry, Kidder Co. Tappen School District, "Which Wind Blade Design Works the Best?" Sean Loken, Wishek School District, "B.E.A.M. solar energy engine technology "

Xcel Energy

Project Related to Energy or Electricity

3 Winners: Senior Division: A Cash Award of \$25 and a Certificate Nicholas Knoblich, Ashley School District, "Magnetic Water Treatment" Caleb Meyer, Hope School District, "Natural Selection"

Carl Entzie, Ashley School District, "Photoelectric vs. Ionization"

North Dakota State Science and Engineering Fair

Engineering

UND School of Engineering and Mines

Project in Energy or Environmental Science

1 Winner: Senior Division: Monetary award of \$100 and a certificate

Emme Hulm, Strasburg School District, "Heat Loss vs Roof Types"

Society of Automotive Engineers

Project in Mobility Engineering

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Caleb Meyer, Hope School District, "Natural Selection"

National Society of Professional Engineers

Project in Engineering Category

1 Winner: Junior or Senior Division: A Certificate and a Lapel Pin

Tyler Toepke Floyd, Wishek School District, "Size Does Matter, But Does Shape?"

ASM Materials Education Foundation

Project In Materials Engineering

1 Winner: Junior or Senior Division: A Medallion and a Certificate

Hunter Pinke, Wishek School District, "What are the breaking points of different species of wood"

North Dakota State Science and Engineering Fair

UND Department of Chemical Engineering

Project in Chemical Engineering Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

John Baumgardner, Oak Grove Lutheran School District, "Steam vs. Air"

UND Department of Chemical Engineering

Project in Chemical Engineering Category

1 winner: Senior Division: Monetary award of \$50 and a certificate

Ross Knoll, Ashley School District, "To Gel or Not to Gel"

UND School of Engineering and Mines, Clifford Thomforde Award

Project in Electrical Engineering Category

1 Winner: Junior Division: A Plaque

Emme Hulm, Strasburg School District, "Heat Loss vs Roof Types"

UND Department of Mechanical Engineering

Project in Mechanical Engineering Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

Josh Holm, Valley/Edinburg School District, "Effect of Design on Bridge Efficiency"

North Dakota State Science and Engineering Fair

UND Department of Mechanical Engineering

Project in Mechanical Engineering Category

1 winner: Senior Division: Monetary award of \$50 and a certificate

Bill Klose, Valley/Edinburg School District, "Placement of Trailer's Axle for Best Weight Displacement"

Environment

UND School of Engineering and Mines

Project in Energy or Environmental Science Category

1 Winner: Junior Division: Monetary award of \$50 and a certificate

Jacob Nelson, Trenton School District, "Let's Go Ice Fishing"

Coalition For Conservation & Environmental Education

Outstanding Environmental Project

1 Winner: Senior Division: A Savings Bond of \$50, A Large Purple Rosette Ribbon, and a Certificate Nicholas Knoblich, Ashley School District, "Magnetic Water Treatment"

Coalition For Conservation & Environmental Education

Outstanding Environmental Project

1 Winner: Junior Division: A Savings Bond of \$50, A Large Purple Rosette Ribbon, and a Certificate Matthias Larson, Oak Grove Lutheran School District, "Snails Choice: Native Invasive"

North Dakota State Science and Engineering Fair

Ricoh Corporation

Project Related to Environmentally Friendly Businesses

1 Winner: Senior Division: A Certificate

Dre Steinwehr, Hankinson School District, "The Biocidal Attributes of the Family Lamiaceae"

Geosciences and Meteorology

North Dakota Geological Society

Project in Field of Geology or Earth Science

1 Winner: Junior Division: A Cash Award of \$50 and a Certificate

Carter Mauch, Hankinson School District, "The Effects of Weed Extracts on Glycine max"

North Dakota Geological Society

Project in Field of Geology or Earth Science

1 Winner: Senior Division: A Cash Award of \$50 and a Certificate

Lydia Kinneberg, Dakota Prairie School District, "Phytoremediation"

Association For Women Geoscientists

Project Related to Geosciences

1 Winner (Must Be A Female Exhibitor): Junior or Senior Division: A Certificate

Bailey Hagen, Trenton School District, "You Can't Resist Me!"

North Dakota State Science and Engineering Fair

Human Development and Family Science

North Dakota Academy of Family Physicians

Project Related to Medicine

1 Winner: Senior Division: A Cash Award of \$50 and a Certificate

Jennifer Riemann, Hankinson School District, "The Antibacterial and Preserving Abilities of Wildflower Extracts"

UND College of Education and Human Development

Project Related to Human Development

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Morgan Uriell, Lakota School District, "talkin 2 my friends"

UND College of Education and Human Development

Project Related to Human Development

1 Winner: Junior Division: A Cash Award of \$50 and a Certificate

Hayley Fingarson, Valley/Edinburg School District, "Eliminating Bacteria From Dish Cloths"

Human Nutrition

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Senior Division: A Savings Bond of \$50 and a Certificate

Dre Steinwehr, Hankinson School District, "The Biocidal Attributes of the Family Lamiaceae"

North Dakota State Science and Engineering Fair

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Junior Division: A Savings Bond of \$100 and a Certificate

Paige Buck, Hankinson School District, "A Comparative Study of Poultry Supplements on Gallus domesticus"

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Senior Division: A Savings Bond of \$100 and a Certificate

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Junior Division: A Savings Bond of \$50 and a Certificate

Josh Spaulding, Valley/Edinburg School District, "The Effect of the Amount of Fertilizer on Plants"

ISEF Alumni

ISEF Alumni

Project as Determined by ISEF Judges

1 Winner: Junior or Senior Division: A Cash Award of \$200 and a Certificate

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota State Science and Engineering Fair

ISEF Alumni

Project as Determined by ISEF Judges

1 Winner: Junior or Senior Division: A Cash Award of \$100 and a Certificate

Paige Buck, Hankinson School District, "A Comparative Study of Poultry Supplements on Gallus domesticus"

Laboratory Medicine, Microbiology, Medicine & Health

UND School of Medicine & Health Sciences

Project in Medical or Health Sciences

1 Winner: Junior Division: Monetary award of \$50 and a certificate

Hayley Fingarson, Valley/Edinburg School District, "Eliminating Bacteria From Dish Cloths"

UND School of Medicine & Health Sciences

Project in Medical or Health Sciences

1 Winner: Senior Division: Monetary award of \$100 and a certificate

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Society for Clinical Laboratory

Project Related to Laboratory Medicine

1 Winner: Senior Division: A Cash Award of \$25 and a Certificate

Jessa Zimmerman, Trenton School District, "Salty Situation"

North Dakota State Science and Engineering Fair

North Dakota Society for Clinical Laboratory

Project Related to Laboratory Medicine

1 Winner: Junior Division: A Cash Award of \$25 and a Certificate

Wyatt Wilm, Hankinson School District, "The Comparison of Commercial and Natural Liquid Hand Soaps"

North Dakota State Science and Engineering Fair Association

Project Related to Gerontology

1 Winner: Junior or Senior Division: A Cash Award of \$25 and a Certificate

Sarah Scaff, Grant County School District, "Measuring Knee Stress"

North Dakota Area Health Education Center

Project Related to Medical or Health Sciences

1 Winner: Junior or Senior Division: A Kindle/Nook e-Reading Tablet and a Certificate

Dre Steinwehr, Hankinson School District, "The Biocidal Attributes of the Family Lamiaceae"

American Physiological Society

Project in Physiological Sciences

1 Winner: Junior or Senior Division: A APS T-Shirt, Physiology Researcher Lapel Pin, and a Certificate Jasmine Kreft, Williston Trinity Christian School District, "Asthma Attack"

Sponsoring Teacher Received a Women Life Scientists Past, Present, and Future Curriculum for the Classroom Sponsoring Teacher: Annette Kreft, Williston Trinity Christian School District

North Dakota State Science and Engineering Fair

Mathematics and Computer Science

UND Department of Computer Science

Project in Computer Science Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

John Herr, Williston Trinity Christian School District, "The Truth Behind Educational Games"

UND Department of Computer Science

Project in Computer Science Category

1 winner: Senior Division: Monetary award of \$50 and a certificate

Trent Mattern, Strasburg School District, "WiFi in Work Places"

UND Department of Mathematics

Project in Mathematics Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

Peter Bueide, Oak Grove Lutheran School District, "Ballistics"

UND Department of Mathematics

Project in Mathematics Category

1 winner: Senior Division: Monetary award of \$100 and a \$500 UND Mathematics scholarship and a certificate Vahid Fazel-Rezai, G.F. Red River School District, "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

North Dakota State Science and Engineering Fair

UND College of Arts and Sciences

Project in Math or Science

1 Winner (must be a female): Junior Division: A Cash Award of \$50 and a Certificate

Hayley Fingarson, Valley/Edinburg School District, "Eliminating Bacteria From Dish Cloths"

UND College of Arts and Sciences

Project in Math or Science

1 Winner (must be a female): Senior Division: A Cash Award of \$100 and a Certificate

Holly Krumm, Strasburg School District, "Hey, Whatever Happened to the Fourth Dimension?"

Intel Excellence In Computer Science

Project in Computer Science Category

1 Winner: Senior Division: A Cash Award of \$200 And A Certificate

Vahid Fazel-Rezai, G.F. Red River School District, "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

Mu Alpha Theta

Project Involving Modern Mathematics

1 Winner: Senior Division: A Certificate

Ben Schuler, Wishek School District, "Light Speed II"

North Dakota State Science and Engineering Fair

American Statistical Association (RR Valley)

Project That Best Used Stastical Methods and Reasoning

1 Winner: Junior Division: A Cash Award of \$25 and a Certificate

Abbie Sondeland, Valley/Edinburg School District, "Safety of Fabrics Around Open Flame"

United States Metric Association

Project Using Metric System for Measurements

5 Winners: Junior or Senior Division: A Certificate

Josh Holm, Valley/Edinburg School District, "Effect of Design on Bridge Efficiency"

Katelyn Fastnacht, Ellendale School District, "A Clear Solution"

Peter Bueide, Oak Grove Lutheran School District, "Ballistics"

Caleb Mahin, Kidder Co. Tappen School District, "Building the Right Catapult"

Andrea Slater, Trenton School District, "Future Of Ferro Fluids?!?"

Yale Science and Engineering Association

Project in Areas of Computer Science, Engineering, Physics, or Chemistry

1 Winner: Senior Division: A Medallion and A Certificate

Nicholas Knoblich, Ashley School District, "Magnetic Water Treatment"

North Dakota State Science and Engineering Fair

Optometry

North Dakota Optometric Association

Project Related to Optometry

2 Winners: Junior Division: A Cash Award of \$50 and a Certificate

Katelyn Fastnacht, Ellendale School District, "A Clear Solution"

Kelsey Guttormson, Tioga School District, "Crazy Colors"

North Dakota Optometric Association

Project Related to Optometry

2 winners: Senior Division: A Cash Award of \$50 and a Certificate

Micah Johnson, Milnor School District, "What Electronic Device Affects Eyesight the Most" Ashley Fontaine, Park River School District, "Does Warping Matter?"

Pharmacology, Pharmacy, Nursing

UND College of Nursing

Project Related to Nursing or Nutrition

1 winner: Junior Division: Monetary award of \$50 and a certificate

Betsy Asp, Hankinson School District, "The Enhancing Impacts of Herbs on Garden Beans"

UND College of Nursing

Project Related to Nursing or Nutrition

1 winner: Senior Division: Monetary award of \$100 and a certificate

Jennifer Riemann, Hankinson School District, "The Antibacterial and Preserving Abilities of Wildflower Extracts"

North Dakota State Science and Engineering Fair

North Dakota Pharmacists Association

Project in Field of Pharmacology

1 Winner: Junior Division: A Cash Award of \$75 and a Certificate

Bailey Hagen, Trenton School District, "You Can't Resist Me!"

North Dakota Pharmacists Association

Project in Field of Pharmacology

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Tanner Coppin, Hankinson School District, "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

North Dakota Area Health Education Center

Project Related to Nursing or Nutrition

1 Winner: Junior or Senior Division: A Kindle/Nook e-Reading Tablet and a Certificate

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Area Health Education Center

Project Related to Science of Human Nutrition

1 Winner: Junior or Senior Division: A Kindle/Nook e-Reading Tablet and a Certificate

Jennifer Riemann, Hankinson School District, "The Antibacterial and Preserving Abilities of Wildflower Extracts"

North Dakota State Science and Engineering Fair

Physics and Physical Science

UND Department of Physics

Project in Physics Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

Tanner Sehn, Linton School District, "Stretch It to Test It"

UND Department of Physics

Project in Physics Category

1 winner: Senior Division: Monetary award of \$50 and a \$250 UND Physics scholarship and a certificate Ben Schuler, Wishek School District, "Light Speed II"

North Dakota Physics Teachers

Project in Area of Physics or Physical Science

1 Winner: Senior Division: A Savings Bond of \$50 and a Certificate Emme Hulm, Strasburg School District, "Heat Loss vs Roof Types"

North Dakota Physics Teachers

Project in Area of Physics or Physical Science

1 Winner: Junior Division: A Savings Bond of \$50 and a Certificate

Josh Holm, Valley/Edinburg School District, "Effect of Design on Bridge Efficiency"

North Dakota State Science and Engineering Fair

Psychology and Behavioral Sciences

UND College of Arts and Sciences

Project in Fields of Social or Behavioral Sciences

1 Winner: Junior Division: Monetary award of \$50 and a certificate

Natalie Duppong, Glen Ullin School District, "Are You in Your Right Mind"

UND College of Arts and Sciences

Project in Fields of Social or Behavioral Sciences

1 Winner: Senior Division: Monetary award of \$100 and a certificate

Ashley Morman, Wishek School District, "Fact or Fate"

Virginia George Inheritance Fund

Project in Social or Behavioral Science

1 Winner: Senior Division: Monetary award of \$125 and a certificate and a \$300 UND Scholarship Morgan Uriell, Lakota School District, "talkin 2 my friends"

Virginia George Inheritance Fund

Project in Social or Behavioral Science

1 Winner: Junior Division: Monetary award of \$75 and a certificate

Sarah Lynch, Williston Trinity Christian School District, "Test Scores & Tunes"

North Dakota State Science and Engineering Fair

American Psychological Association

Project Related to Psychology

1 Winner: Junior or Senior Division: A Certificate

Ashley Fontaine, Park River School District, "Does Warping Matter?"

Social Sciences

North Dakota Council for the Social Sciences

Project in the Field of Social Science

1 Winner: Junior Division: A Cash Award of \$75 and a Certificate

Morgan Ellingson, Valley/Edinburg School District, "Gender Differences in Short-term Memory"

Sweepstakes

VWR International

Project in Area Determined by NDSSEF Judging

2 Winners: Junior or Senior Division: A Cash Award of \$50 and a Certificate

Bailey Hagen, Trenton School District, "You Can't Resist Me!"

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on *Phaseolus vulgaris* Production"

North Dakota State Science and Engineering Fair

Tissue Culture

Society for In Vitro Biology

Project in the Area of Tissue Culture

1 Winner: 11th Grader Division: A Certificate

Matthew Schaeftbauer, Strasburg School District, "Dairy Farmers Dream III"

U.S. Air Force

United States Air Force

Project That Has Applications Useful to Air Force

3 Winners: Junior or Senior Division: A Travis and Wells Charging Stand, A Computer Backpack, A Leeds Scripto Flash Jotter, and a certificate

Sarah Telehey, Williston Trinity Christian School District, "Strong Soil - Safe Roads"

Caleb Meyer, Hope School District, "Natural Selection"

Abbie Sondeland, Valley/Edinburg School District, "Safety of Fabrics Around Open Flame"

U.S. Army

United States Army

Project in Mathematics/Computer Science

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, and A Certificate

Vahid Fazel-Rezai, G.F. Red River School District, "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

North Dakota State Science and Engineering Fair

United States Army

Project in Life Sciences

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, and A Certificate

Ellen Schnabel, Ashley School District, "Natural Antibiotics: Do They Exist"

United States Army

Project in Engineering

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, and a certificate

Bill Klose, Valley/Edinburg School District, "Placement of Trailer's Axle for Best Weight Displacement"

United States Army

Project in Physical Science

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, and a certificate

Tyler Toepke Floyd, Wishek School District, "Size Does Matter, But Does Shape?"

United States Army

Project in All of the ISEF Categories

1 Winner: Senior Division: Received a Certificate In a Presentation Folder, A \$100 Savings Bond, and a Silver Medallion for Science Excellence

Gage Metzen, Hankinson School District, "The Phytoremediation Properties of Aquatic Plants on River Water"

North Dakota State Science and Engineering Fair

U.S. Navy

United States Navy

Project (All Categories Considered)

3 Winners: Senior Division: An Educational Recognition Award Valued at \$75, A Medallion, and a Certificate Dre Steinwehr, Hankinson School District, "The Biocidal Attributes of the Family Lamiaceae"

Tanner Coppin, Hankinson School District, "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

Lindsey Stein, Hankinson School District, "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

United States Navy

Project (All Categories Considered)

3 Winners: Junior Division: A Medallion and a Certificate

Hayley Fingarson, Valley/Edinburg School District, "Eliminating Bacteria From Dish Cloths"

Hunter Pinke, Wishek School District, "What are the breaking points of different species of wood"

Grady Mauch, Hankinson School District, "The Pesticidal Aspects of the Aster Family on Beta vulgaris"

Veterinary Medicine

North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Jonathan Ketterling, Wishek School District, "Advanced Genetic Intervention"

North Dakota State Science and Engineering Fair

North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Senior Division: A Cash Award of \$75 and a Certificate

Matthew Schaeftbauer, Strasburg School District, "Dairy Farmers Dream III"

North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Junior Division: A Cash Award of \$25 and a Certificate

Paige Buck, Hankinson School District, "A Comparative Study of Poultry Supplements on Gallus domesticus"

Auxiliary to the North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Junior Division: A Cash Award of \$50 and a Certificate

Maycie Brunelle, Trenton School District, "Would You Drink It?"

Water Quality

American Water Works Association

Project Related to Drinking Water Quality

1 Winner: Junior Division: A Cash Award of \$75 and a Certificate

Grace Schuler, Wishek School District, "Hydroponics: Well Water vs. Reverse Osmosis"

North Dakota State Science and Engineering Fair

American Water Works Association

Project Related to Drinking Water Quality

1 Winner: Senior Division: A Cash Award of \$75 and a Certificate

Nicholas Knoblich, Ashley School District, "Magnetic Water Treatment"

North Dakota Water Environment Association

Project Related to Water Quality

1 Winner: Senior Division: A Cash Award of \$75 and a Plaque

Gage Metzen, Hankinson School District, "The Phytoremediation Properties of Aquatic Plants on River Water"

North Dakota Water Environment Association

Project Related to Water Quality

1 Winner: Junior Division: A Cash Award of \$75 and a Plaque

Matthias Larson, Oak Grover Lutheran School District, "Snails Choice: Native Invasive"

North Dakota Rural Water Systems Association

Project Related to Water Quality

1 Winner: Senior Division: A Cash Award of \$100 and a Certificate

Kelsey Gaukler, Hankinson School District, "The Analysis of Lake Water Quality and Its Effects on Crayfish Growth"

North Dakota State Science and Engineering Fair

Water Environment Federation

Project Related to Water Quality or Water Conditions

1 Winner: Junior or Senior Division: A Certificate

Gage Metzen, Hankinson School District, "The Phytoremediation Properties of Aquatic Plants on River Water"