

# STATE QUALIFIERS

2010

## JUNIOR DIVISION

### STATE FAIR FINALISTS (BLUE RIBBON)

1	136 Grace Schuler	Wishek
2	115 BreAnna Stroh	Kidder Co. Tappen
3	129 Tucker Meidinger	Ashley
4	158 Logan Wang	Ellendale
5	130 Aaron Weber	Wishek
6	133 Ellen Schnabel	Ashley
7	139 Allison Courtney	Ellendale
8	110 Rachel Herman	Ellendale
9	117 Trinity Potts	LaMoure
10	126 Blaire Schnabel	Ashley
11	144 Sadie Cochrane	LaMoure
12	143 Taylor Ketterling	Wishek
13	107 Megan Good	LaMoure
14	128 Daniel Sayler	Wishek
15	112 Caitlin Mittleider	Kidder Co. Tappen
16	125 Tyler Toepke Floyd	Wishek

### ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	118 Ross Knoll	Ashley
2	120 Logan Mittleider	Kidder Co. Tappen
3	111 Kendra Neu	Ashley
4	153 Ben Schuler	Wishek

## SENIOR DIVISION

### STATE FAIR FINALIST (BLUE RIBBON)

1	201 Bea Fischer	Ashley
2	205 Mackenzie Bickford	LaMoure
3	213 Megan Spitzer	Ellendale
4	228 Nicholas Knoblich	Ashley
5	202 Richelle Olson	Ellendale
6	216 Tyler Thielges	LaMoure
7	223 Alison Lehr	Ashley
8	203 Matthew Bon	Kidder Co. Steele
9	226 Kerstan Swift	Ellendale
10	210 Jonathan Ketterling	Wishek
11	212 Tanner Meidinger	Ashley
12	235 Robert Hackman	Wishek
13	227 Karly Wald	Wishek
14	229 Jennifer Mahin	Kidder Co. Tappen
15	204 Austin Bettenhausen	Wishek
16	222 KaSaundra Peterson	Ellendale

### ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	230 Tanesha K. Roehrich	LaMoure
2	240 Carl Entzie	Ashley
3	225 Taylor Huether	LaMoure
4	236 Talon Petersen	Ashley

**TO BE NAMED AT THE STATE SCIENCE FAIR IN FARGO APRIL 9, 2010.**

### OUTSTANDING YOUNG SCIENTIST - SR. DIVISION

**RUNNER UP - JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION  
\$14,000 SCHOLARSHIP TO JAMESTOWN COLLEGE**

1	#N/A	#N/A
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**SWEEPSTAKE AWARD - TRAVELING TROPHY TO SCHOOL AND FROM  
JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION \$18,000 SCHOLARSHIP**

1	#N/A	#N/A
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# NATIONAL AWARDS

## AMERICAN METEOROLOGICAL SOCIETY

The American Meteorological Society offers two Certificates of Outstanding Achievement to student exhibitors in **Junior or Senior Division** with participation in the atmospheric and related oceanic and hydrologic sciences.

- |                    |                    |        |
|--------------------|--------------------|--------|
| 1. (Certificate) - | 133 Ellen Schnabel | Ashley |
| 2. (Certificate) - | #N/A               | #N/A   |

## AMERICAN PSYCHOLOGICAL ASSOCIATION

This award recognizes outstanding research in psychology under the category of behavioral and social sciences.

- |                    |                      |           |
|--------------------|----------------------|-----------|
| 1. (Certificate) - | 139 Allison Courtney | Ellendale |
|--------------------|----------------------|-----------|

## ASM INTERNATIONAL FOUNDATION

This award recognizes the winner in **Junior or Senior Division** of the best materials engineering project. Criteria for the award is: 1) best use of materials-related concepts and 2) demonstration of some aspect of the materials paradigm, i.e., structure-processing-properties-performance relationships.

- |                                |                         |        |
|--------------------------------|-------------------------|--------|
| 1. (Certificate & Medallion) - | 210 Jonathan Ketterling | Wishek |
|--------------------------------|-------------------------|--------|

## ASSOCIATION FOR WOMEN GEOSCIENTISTS

The Association for Women Geoscientists is pleased to provide an Award Certificate to female students in **Junior or Senior Division** whose projects, in the opinion of the judges, exemplify high standards of innovativeness and scientific excellence in the geosciences. Special consideration will be given to projects that increase the public awareness of the geosciences, illustrate the interdisciplinary nature of the geosciences, or promote the sensitivity to the earth as a global system.

- |                    |      |      |
|--------------------|------|------|
| 1. (Certificate) - | #N/A | #N/A |
|--------------------|------|------|

## INTEL EXCELLENCE IN COMPUTER SCIENCE

Each affiliated fair that has a computer science category may offer **one** Intel Excellence in Computer Science Award to the top first place winner of the Computer Science category in the **Senior Division** portion of the fair.

- |                           |      |      |
|---------------------------|------|------|
| 1. (Certificate, \$200) - | #N/A | #N/A |
|---------------------------|------|------|

### **MU ALPHA THETA**

Mu Alpha Theta wishes to provide **one** award to the project demonstrating the most challenging, thorough, and creative investigation of a problem involving modern mathematics.

1. (Certificate) -                   210 Jonathan Ketterling                   Wishek

### **NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS**

The National Society of Professional Engineers and Professional Engineers in Industry is pleased to provide an award to recognize the most outstanding engineering project.

1. (Certificate and a Lapel Pin) -  
  204 Austin Bettenhausen                   Wishek

### **NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)**

Award to the individual, selected from among all the general award categories, whose research emphasizes NOAA's mission to understand and predict changes in Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs.

1. (Certificate) -                   #N/A   #N/A

### **RICOH SUSTAINABLE DEVELOPMENT AWARD**

Award to the individual, selected from among all the general award categories, whose principles and technical innovations offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses.

1. (Subscription to Science News Magazine) -                   #N/A   #N/A

### **SOCIETY FOR IN VITRO BIOLOGY**

Awarded to the most outstanding **11th grade student** exhibiting in the areas of plant or animal in vitro biology or tissue culture.

1. (Certificate) -                   #N/A   #N/A

### **STOCKHOLM JUNIOR WATER PRIZE**

This award is presented to the best science fair project in **Senior Division** related to water quality, water resource management, water protection, water or wastewater treatment.

1. (Certificate) -                   228 Nicholas Knoblich                   Ashley

### **U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES**

The U.S. Public Health Service offers a special challenge for students in **Junior or Senior Division** to develop science projects in regional science fairs that creatively illustrate and expand upon the following:

1. Regular physical activity throughout life is important for maintaining a healthy body, enhancing psychological well being, and preventing premature death.
2. A healthy diet and regular physical activity are both important for maintaining a healthy weight.
3. Tobacco use is a major risk factor for heart disease, stroke, lung cancer, and chronic lung diseases-all leading causes of death.

1. (Certificate) -           202 Richelle Olson                   Ellendale

### **U.S. METRIC ASSOCIATION**

The U.S. Metric Association is providing one certificate to be presented to the student in **Junior or Senior Division** whose project involves a significant amount of quantitative measurement and which best uses the SI metric system for those measurements.

1. (Certificate) -           210 Jonathan Ketterling                   Wishek

### **YALE SCIENCE AND ENGINEERING AWARD**

The Yale Science and Engineering award is presented to the most outstanding **11th grade student** exhibiting in the areas of Computer Science, Engineering, Physics, or Chemistry.

1. (Certificate) -           209 Allison Barnick                   Kidder Co. Tappen

### **I-SWEEP, THE INTERNATIONAL SUSTAINABLE WORLD**

Awarded to projects in **Junior or Senior Division** that promote engineering innovations and energy efficiency/management discoveries, which will nurture environmentally-friendly technology concepts in secondary education.

1. (Certificate) -           203 Matthew Bon                   Kidder Co. Steele
2. (Certificate) -           223 Alison Lehr                   Ashley
3. (Certificate) -           228 Nicholas Knoblich                   Ashley

# MILITARY AWARDS

## U.S. AIR FORCE

Computer Accessories Kit, Slazenger Sport Deluxe Sling, Magnetic Floating Pen/Holder.

### JR. DIVISION

1	136 Grace Schuler	Wishek
2	154 Tia Briese	Kidder Co. Tappen

### SR. DIVISION

1	204 Austin Bettenhausen	Wishek
2	210 Jonathan Ketterling	Wishek

## U.S. ARMY

The Army Awards Program provides recognition to outstanding student exhibitors in the categories of Engineering, Environmental Sciences, Life Sciences, Mathematics/Computer Sciences, and Physical Sciences. Exhibitors in **grades 9 through 12** are eligible for recognition.

### Categories:

**Engineering:** (Certificate) - 210 Jonathan Ketterling Wishek

**Environmental Sciences:** (may include projects in Earth and Space or Environmental Sciences)  
(Certificate) - 228 Nicholas Knoblich Ashley

**Mathematics/Computer Science:**  
(Certificate) - #N/A #N/A

**Life Sciences:** (may include projects in Behavioral and Social Sciences, Medicine and Health, Microbiology, Zoology, or Botany) (Certificate) - 212 Tanner Meidinger Ashley

**Physical Sciences:** (may include projects in Biochemistry, Chemistry, or Physics)  
(Certificate) - #N/A #N/A

**\*Each individual above will also receive a backpack bearing the Army's science fair logo.**

**\*Pick one individual as the best of category winner.**

**OUTSTANDING CATEGORY WINNER: Select from above categories.**

(Medallion) - 210 Jonathan Ketterling Wishek

## 10 Additional Projects Can Be Recognized

1. (Certificate) -	#N/A	#N/A
2. (Certificate) -	#N/A	#N/A
3. (Certificate) -	#N/A	#N/A
4. (Certificate) -	#N/A	#N/A
5. (Certificate) -	#N/A	#N/A
6. (Certificate) -	#N/A	#N/A
7. (Certificate) -	#N/A	#N/A
8. (Certificate) -	#N/A	#N/A
9. (Certificate) -	#N/A	#N/A
10. (Certificate) -	#N/A	#N/A

## U.S. NAVY/U.S. MARINES

Students in *Junior and Senior Divisions* whose projects are considered to demonstrate excellence in science or engineering can be recognized as U.S. Navy and Marine Corps Distinguished Achievement winners.

### JR. DIVISION

1. (Certificate & Medallion) -	130 Aaron Weber	Wishek
2. (Certificate & Medallion) -	#N/A	#N/A
3. (Certificate & Medallion) -	#N/A	#N/A

### SR. DIVISION

1. (Certificate & Medallion) -	228 Nicholas Knoblich	Ashley
2. (Certificate & Medallion) -	#N/A	#N/A
3. (Certificate & Medallion) -	#N/A	#N/A

# REGIONAL AWARDS

## BEST ANIMAL SCIENCE PROJECTS

### WISHEK VETERINARY CLINIC & ASHLEY VETERINARY CLINIC

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to Animal Sciences. Plaque to first place winner and certificate to second place winner.

#### JR. DIVISION

- |                    |                    |        |
|--------------------|--------------------|--------|
| 1. (Plaque) -      | 147 Reed Eszlinger | Ashley |
| 2. (Certificate) - | 168 Jady Lippert   | Ashley |

#### SR. DIVISION

- |                    |                      |        |
|--------------------|----------------------|--------|
| 1. (Plaque) -      | 212 Tanner Meidinger | Ashley |
| 2. (Certificate) - | #N/A                 | #N/A   |

## BEST BEHAVIORAL & SOCIAL SCIENCE PROJECTS

### PROGRESS ENTERPRISES

The award is presented to the most outstanding project in **Junior and Senior Division** related to Behavioral & Social Sciences. Plaque to first place winner and certificate to second place winner.

#### JR. DIVISION

- |                    |                      |           |
|--------------------|----------------------|-----------|
| 1. (Plaque) -      | 139 Allison Courtney | Ellendale |
| 2. (Certificate) - | 107 Megan Good       | LaMoure   |

#### SR. DIVISION

- |                    |                         |         |
|--------------------|-------------------------|---------|
| 1. (Plaque) -      | 230 Tanesha K. Roehrich | LaMoure |
| 2. (Certificate) - | #N/A                    | #N/A    |

## BEST BIOLOGICAL SCIENCE PROJECTS

### TRACTOR SUPPLY COMPANY - JAMESTOWN

Award presented to the most outstanding project in **Junior and Senior Division** related to Biological Sciences. Plaque to first place winner and certificate to second place winner.

#### JR. DIVISION

- |                    |                   |                   |
|--------------------|-------------------|-------------------|
| 1. (Plaque) -      | 136 Grace Schuler | Wishek            |
| 2. (Certificate) - | 115 BreAnna Stroh | Kidder Co. Tappen |

#### SR. DIVISION

- |                    |                       |        |
|--------------------|-----------------------|--------|
| 1. (Plaque) -      | 201 Bea Fischer       | Ashley |
| 2. (Certificate) - | 228 Nicholas Knoblich | Ashley |

## BEST CHEMISTRY PROJECTS

### J FAMILY FARMS

Award is presented to the Outstanding **Junior Division** Chemistry or Chemistry Related Project. Plaque to first place winner and certificate to second place winner.

#### JR. DIVISION

- |                    |                       |                   |
|--------------------|-----------------------|-------------------|
| 1. (Plaque) -      | 120 Logan Mittleider  | Kidder Co. Tappen |
| 2. (Certificate) - | 113 Brenna Ketterling | Wishek            |

### AMERICAN CHEMICAL SOCIETY (Red River Valley Section)

Award is presented to the Outstanding Chemistry or Chemistry Related Project in **Senior Division**.

- |  |                    |           |
|--|--------------------|-----------|
| 1. (Certificate, \$100 Savings Bond) - | 202 Richelle Olson | Ellendale |
|--|--------------------|-----------|

## CONSERVATION/AGRICULTURAL/ENVIRONMENTAL ANALYSIS

### STUTSMAN COUNTY SOIL CONSERVATION

The award is presented to the best environmental analysis project in **Junior and Senior Divisions**. Plaque to first place winner and certificate to second place winner in each division.

#### JR. DIVISION

- |                    |                       |        |
|--------------------|-----------------------|--------|
| 1. (Plaque) -      | 136 Grace Schuler     | Wishek |
| 2. (Certificate) - | 143 Taylor Ketterling | Wishek |

#### SR. DIVISION

- |                    |                       |         |
|--------------------|-----------------------|---------|
| 1. (Plaque) -      | 228 Nicholas Knoblich | Ashley  |
| 2. (Certificate) - | 225 Taylor Huether    | LaMoure |

## ENVIRONMENTAL SCIENCES

### PATRICK AND VALERIE LEIER FAMILY

Award to the project in the **Senior Division** related to environmental management. Plaque to the first place winner and certificate to the second place winner.

- |                    |                       |        |
|--------------------|-----------------------|--------|
| 1. (Plaque) -      | 228 Nicholas Knoblich | Ashley |
| 2. (Certificate) - | 223 Alison Lehr       | Ashley |

## **CONSERVATION/ENVIRONMENTAL**

### **COALITION FOR CONSERVATION AND ENVIRONMENTAL EDUCATION**

A large purple rosette ribbon is presented for a Grand Champion Environmental Award in **Junior or Senior Division** for regional competition.

1. (Purple Rosette Ribbon) - 228 Nicholas Knoblich Ashley

## **BEST ENERGY PROJECTS**

### **DAKOTA VALLEY ELECTRIC COOPERATIVE**

The award is presented to the most outstanding project in **Junior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

1. (Plaque) - #N/A #N/A
2. (Certificate) - #N/A #N/A

### **MONTANA DAKOTA UTILITIES ENERGY AWARD**

The award is presented to the most outstanding project in **Senior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

1. (Plaque) - 203 Matthew Bon Kidder Co. Steele
2. (Certificate) - 214 Tate Demaray Kidder Co. Tappen

## **BEST ENGINEERING PROJECTS**

### **NORTH DAKOTA DEPARTMENT OF TRANSPORTATION**

The award is presented to the most outstanding project in **Junior and Senior Division** related to Engineering. Plaque to first place winner and certificate to second place winner in each division.

#### **JR. DIVISION**

1. (Plaque) - 130 Aaron Weber Wishek
2. (Certificate) - 118 Ross Knoll Ashley

#### **SR. DIVISION**

1. (Plaque) - 210 Jonathan Ketterling Wishek
2. (Certificate) - 204 Austin Bettenhausen Wishek

## **BEST MATHEMATICS/PHYSICS PROJECTS**

### **WISHEK STEEL & MANUFACTURING**

The award is presented to the most outstanding project in **Junior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

- |                    |                        |                   |
|--------------------|------------------------|-------------------|
| 1. (Plaque) -      | 125 Tyler Toepke Floyd | Wishek            |
| 2. (Certificate) - | 127 Kimberly Kluth     | Kidder Co. Tappen |

### **SAYLER IMPLEMENT INC. - WISHEK**

The award is presented to the most outstanding project in **Senior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

- |                    |                     |                   |
|--------------------|---------------------|-------------------|
| 1. (Plaque) -      | 209 Allison Barnick | Kidder Co. Tappen |
| 2. (Certificate) - | 229 Jennifer Mahin  | Kidder Co. Tappen |

## **BEST MEDICAL PROJECTS**

### **WISHEK COMMUNITY HOSPITAL**

The award is presented to the most outstanding project in **Junior Division** related to medicine & health. Plaque to first place winner and certificate to second place winner.

- |                    |                     |           |
|--------------------|---------------------|-----------|
| 1. (Plaque) -      | 126 Blaire Schnabel | Ashley    |
| 2. (Certificate) - | 119 Kalee Hack      | Ellendale |

### **ELLENDALE AVERA ST. LUKES CLINIC**

The award is presented to the most outstanding project in **Senior Division** related to medicine & health. Plaque to first place winner and certificate to second place winner.

- |                    |                    |         |
|--------------------|--------------------|---------|
| 1. (Plaque) -      | 201 Bea Fischer    | Ashley  |
| 2. (Certificate) - | 216 Tyler Thielges | LaMoure |

## **BEST MICROBIOLOGY PROJECTS**

### **TITAN MACHINERY**

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to microbiology. Plaque to the first place winner and certificate to second place winner.

#### **JR. DIVISION**

- |                    |                    |           |
|--------------------|--------------------|-----------|
| 1. (Plaque) -      | 110 Rachel Herman  | Ellendale |
| 2. (Certificate) - | 144 Sadie Cochrane | LaMoure   |

#### **SR. DIVISION**

- |                    |                 |        |
|--------------------|-----------------|--------|
| 1. (Plaque) -      | 201 Bea Fischer | Ashley |
| 2. (Certificate) - | 227 Karly Wald  | Wishek |

## **BEST PHOTOGRAPHY**

### **SCHOOL PRIDE GROUP**

This award is presented to the most outstanding project in **Junior and Senior Division** that uses photography to best illustrate concepts or results.

#### **JR. DIVISION**

- |                                       |                   |           |
|---------------------------------------|-------------------|-----------|
| 1. (Certificate & 8 GB Flash Drive) - | 110 Rachel Herman | Ellendale |
|---------------------------------------|-------------------|-----------|

#### **SR. DIVISION**

- |                                       |                 |        |
|---------------------------------------|-----------------|--------|
| 1. (Certificate & 8 GB Flash Drive) - | 201 Bea Fischer | Ashley |
|---------------------------------------|-----------------|--------|

## **BEST PLANT SCIENCE PROJECTS**

### **DICKEY AND LAMOURE EXTENSION SERVICE OFFICES**

The award is presented to the most outstanding project in **Junior and Senior Division** related to Plant Sciences. Plaque to the first place winner and certificate to second place winner.

#### **JR. DIVISION**

- |                    |                   |                   |
|--------------------|-------------------|-------------------|
| 1. (Plaque) -      | 136 Grace Schuler | Wishek            |
| 2. (Certificate) - | 115 BreAnna Stroh | Kidder Co. Tappen |

#### **SR. DIVISION**

- |                    |                    |         |
|--------------------|--------------------|---------|
| 1. (Plaque) -      | 225 Taylor Huether | LaMoure |
| 2. (Certificate) - | #N/A               | #N/A    |

## **BEST SCIENTIFIC PRINCIPLES**

### **CAVENDISH FARMS**

Award to the project in the **Junior Division** for best illustration of scientific principles, i.e., the best use of the scientific method.

- |                          |                      |           |
|--------------------------|----------------------|-----------|
| 1. (Certificate, \$50) - | 139 Allison Courtney | Ellendale |
|--------------------------|----------------------|-----------|

### **CHARLES NAZE ACADEMIC EXCELLENCE AWARD**

Award presented for the most outstanding project in **Senior Division** exhibiting of scientific data to explain what took place in the experiment and why. Plaque and \$25 cash prize to the first place winner and certificate to second place winner.

- |                     |                       |        |
|---------------------|-----------------------|--------|
| 1. (Plaque, \$25) - | 201 Bea Fischer       | Ashley |
| 2. (Certificate) -  | 228 Nicholas Knoblich | Ashley |

### **SOUTHEAST CENTRAL REGION YOUNG SCIENTIST AWARD (JR DIVISION ONLY)**

Southeast Central Region Young Scientist Challenge is designed to award students in **6th, 7th, or 8th Grade** for their knowledge of science and their ability to conduct independent research as evidenced through a science fair project. Sponsored by RTS Shearing.

- |                        |                        |           |
|------------------------|------------------------|-----------|
| 1. (Cert. & Medallion) | 136 Grace Schuler      | Wishek    |
| 2. (Cert. & Medallion) | 129 Tucker Meidinger   | Ashley    |
| 3. (Cert. & Medallion) | 158 Logan Wang         | Ellendale |
| 4. (Cert. & Medallion) | 133 Ellen Schnabel     | Ashley    |
| 5. (Cert. & Medallion) | 139 Allison Courtney   | Ellendale |
| 6. (Cert. & Medallion) | 110 Rachel Herman      | Ellendale |
| 7. (Cert. & Medallion) | 143 Taylor Ketterling  | Wishek    |
| 8. (Cert. & Medallion) | 147 Reed Eszlinger     | Ashley    |
| 9. (Cert. & Medallion) | 153 Ben Schuler        | Wishek    |
| 10. (Cert. & Meallion) | 125 Tyler Toepke Floyd | Wishek    |

## **BEST DRINKING WATER RELATED PROJECT**

### **RURAL WATER USERS ASSOCIATION**

The award is presented to the most outstanding project in **Junior or Senior Division** related to drinking water.

1. (Plaque & \$50) - 228 Nicholas Knoblich Ashley

## **BEST WATER QUALITY PROJECTS**

### **SOUTHEAST WATER USERS**

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to water quality. Plaque to the first place winner and certificate to second place winner.

#### **JR. DIVISION**

1. (Plaque) - #N/A #N/A  
2. (Certificate) - #N/A #N/A

#### **SR. DIVISION**

1. (Plaque) - 228 Nicholas Knoblich Ashley  
2. (Certificate) - 201 Bea Fischer Ashley

## **BEST WILDLIFE RELATED PROJECTS**

### **CONSERVATION-STUTSMAN COUNTY WILDLIFE FEDERATION**

#### **JR. DIVISION**

1. (Plaque) - 168 Jady Lippert Ashley  
2. (Certificate) - #N/A #N/A

#### **SR. DIVISION**

1. (Plaque) - 212 Tanner Meidinger Ashley  
2. (Certificate) - #N/A #N/A