58th Annual
North Dakota State
Science & Engineering Fair

NDSU
North Dakota State University
April 3 - 4, 2008
Memorial Union

www2.edutech.edu/science_fair
2008 NORTH DAKOTA
STATE SCIENCE & ENGINEERING FAIR
NORTH DAKOTA STATE UNIVERSITY

PROJECT NUMBERS:

<table>
<thead>
<tr>
<th>Region</th>
<th>JUNIOR DIVISION</th>
<th>SENIOR DIVISION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northwest Region</td>
<td>101 - 116</td>
<td>301 - 316 *</td>
</tr>
<tr>
<td>Northwest Central Region</td>
<td>Not represented</td>
<td>Not represented</td>
</tr>
<tr>
<td>Northeast Central Region</td>
<td>133 - 138, only</td>
<td>333 - 339, only</td>
</tr>
<tr>
<td>Northeast Region</td>
<td>149 - 162, only *</td>
<td>349 - 356, only</td>
</tr>
<tr>
<td>Southwest Region</td>
<td>165 - 180</td>
<td>365 - 380</td>
</tr>
<tr>
<td>Southwest Central Region</td>
<td>181 - 196</td>
<td>381 - 396</td>
</tr>
<tr>
<td>Southeast Central Region</td>
<td>197 - 212</td>
<td>397 - 412</td>
</tr>
<tr>
<td>Southeast Region</td>
<td>213 - 228 *</td>
<td>413 - 428</td>
</tr>
</tbody>
</table>

* Has projects requiring electricity

TEAM PROJECTS:
None

PROJECTS REQUIRING ELECTRICITY (located on north side of Ballroom):

<table>
<thead>
<tr>
<th>Region</th>
<th>JUNIOR DIVISION</th>
<th>SENIOR DIVISION</th>
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</thead>
<tbody>
<tr>
<td>Northwest Region</td>
<td>None</td>
<td>#’s 305, 307, 312</td>
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<tr>
<td>Northeast Central Region</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Northeast Region</td>
<td># 154</td>
<td>None</td>
</tr>
<tr>
<td>Southwest Region</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Southwest Central Region</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Southeast Central Region</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Southeast Central Region</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Southeast Region</td>
<td>#’s 214, 226</td>
<td>None</td>
</tr>
</tbody>
</table>
58th Annual
North Dakota State
Science & Engineering Fair
NDSU Memorial Union
April 3 - 4, 2008

2008 Event Coordinator
Jennifer A. Lepper, Center for Science & Mathematics Education, NDSU

North Dakota State Science Associate Board of Directors
Peter Sykora
Brad Foss
Marcus Friskop
Sam Gutormson
Julie Hein
Bill Malaski
Kathleen Melaas
Deb Moe

2008 Regional Science Fair Directors
Northwest #1 Deb Moe, Tioga
Northwest Central #2 Unaffiliated
Northeast Central #3 Sam Gutormson, Maddock
Northeast #4 Kathleen Melaas, Hoople
Southwest #5 Bradley Foss, Dickinson
Southwest Central #6 Julie Hein, Wing and Julie Fleck, Mandan
Southeast Central #7 Peter Sykora, Ellendale
Southeast #8 Marcus Friskop, Hankinson

Awards Committee
Frank Fish, Watford City (Chair)
Larry Long, Velva

2008 ISEF Trip Director
Peter Sykora, Ellendale

Scientific Review & Rules Compliance Committee
Marcus Friskop, Hankinson (Chair)
58th North Dakota State Science & Engineering Fair
North Dakota State University

Thursday, April 3rd, 2008

7:30 – 10:30 am  Set up and Rules Compliance – NDSU Memorial Union (#43 on campus map) Great Plains Ball Room
8:00 – 9:30 SW, NW, SWC, regions
9:30 – 11:00 SE, NE, SEC, NEC regions

11:00 am - Noon  On-campus tours – Participants pick one; depart from MU

Noon – 2:30 pm  Lunch on your own on campus

2:30 – 4:00 pm  Off-Campus Tours – Participants pick companies to visit. Depart from and return to MU.

4:00 – 5:35 pm  Motel check-in and prepare for dinner.

5:30 – 7:00 pm  Dinner at NDSU Residence Dining Center, #60 on campus map.

7:00 – 8:00 pm  Science Presentation, Dr. Kalpana Katti, Family Life Center Rm 124, #29 on campus map

8:00 – 11:00 pm  Dance and recreation in the Memorial Union

Friday, April 4th, 2008

7:45 am  Judges report to NDSU Memorial Union: Hidatsa, 3rd floor MU

9:00 am  Judging begins for special awards

9:00 am  Teachers’ meeting (Room to be announced)

Noon  Box lunch provided for participants, coaches, and judges

1:00 pm  Judging resumes for regional awards

1:00-4:30 pm  Exhibits open to the public

4:30  Takedown – dismantling of exhibits, judging ends

5:30 pm  Awards Ceremony: Stevens Auditorium, #67 on campus map.

Following Awards Ceremony  ISEF winners meet with Peter Sykora

If there are questions during the event, please call Jennifer Lepper, Event Coordinator,
Phone: 231.6727 (office) or 799.9069 (cell phone)
2 April, 2008

To: The families of the ND State Science & Engineering Fair participants

Welcome to the North Dakota State University!

We are pleased to have you here on campus and we hope that this year’s State Science & Engineering Fair, SSEF, will be a memorable experience for everyone. This event represents the culmination of scholarship, diligence, and commitment to excellence for the students, teachers, and parents. Each student is here because of his or her hard work and the support from many individuals. Thank you to the parents and teachers for making it possible for the students to be here.

We have a number of exciting things planned at this year’s SSEF. The event will be held in the Great Plains Ballroom in the Memorial Union on the campus of North Dakota State University on April 4th. However, we also have additional activities planned that we think you will enjoy; these are outlined below:

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, April 3, 11:00 am-Noon</td>
<td><strong>On campus tours.</strong> General campus tours; and tours of various science and engineering facilities on campus. Tour descriptions and signup sheets will be available at the registrations tables.</td>
</tr>
<tr>
<td>2:30 pm-4:00 pm</td>
<td><strong>Off campus tours.</strong> Buses will transport students to local science and technology companies. Tour descriptions and signup sheets will be available at the registrations tables.</td>
</tr>
<tr>
<td>5:30 pm-7:00 pm</td>
<td><strong>Dinner</strong> at the Residence Dining Center (Building #59 on the NDSU campus map). Parents, teachers, and students: an SSEF badge is your ticket for dinner. Please be sure to obtain one at the registration tables.</td>
</tr>
<tr>
<td>7:00 pm-8:00 pm</td>
<td><strong>SSEF Science Research Presentation</strong> Dr. Kalpana Katti, Professor, Civil Engineering. Rm 124 FLC, (#29 on the campus Map)</td>
</tr>
<tr>
<td>8:00 pm-10:30 pm</td>
<td><strong>Recreation:</strong> Dancing at the Hub; bowling, billiards, etc. in the MU Recreation Area (basement).</td>
</tr>
</tbody>
</table>

We look forward to meeting you and we wish the SSEF participants the best of luck!

Sincerely,

Jennifer A. Lepper
SSEF Event Coordinator
Acknowledgments

The State Science & Engineering Fair Association Board of Directors recognizes that special efforts and support from many people are needed to bring about the annual North Dakota State Science & Engineering Fair. The Board sincerely thanks North Dakota State University for hosting the 58th State Science & Engineering Fair. The Board deeply appreciates the financial support of the fair provided by businesses in Fargo and from across North Dakota. These include: PRACS Institute, Ltd; NDSU College of Science & Mathematics; NDSU Center for Science & Mathematics Education; MDU Resources; Cargill, Inc.; Society of Automotive Engineers, Basin Electric Power Cooperative, Aldevron, Bobcat Company, Great River Energy; Goodrich Cargo Systems, Phoenix International; CNH America LLC; Pizza Corner; Tioga Machine Shop Inc.; TMI Systems Design Corporation, Dakota Micro Inc.; Dickinson Ready Mix; Dakota Valley Electric Cooperative; eTelecare, Northern Plains Electric Cooperative, and Western Cooperative Credit Union.

The Board also acknowledges the assistance and support from the following:

- Dr. Joseph Chapman, President, NDSU
- Dr. R. Craig Schnell, Provost and Vice President for Academic Affairs, NDSU
- Dr. R.S. Krishnan, Associate VP Academic Affairs
- Dr. Gary Smith, Dean of the College of Engineering & Architecture
- Dr. James Venette, Associate Dean of Agriculture, Food Systems, & Natural Resources
- Dr. Kevin McCaul, Dean of the College of Science & Mathematics
- Jennifer A. Lepper, Academic Events Coordinator
- Rita Slator, Departments of Biological Sciences and of Geosciences
- Staff of the Center for Science & Mathematics Education
- Memorial Union Staff
- Mr. Dan Michaels, Radio Fargo Moorhead, MoJo 104.7

The Board of Directors also sincerely thanks faculty, academic staff, professional, and military personnel from the entire region for their voluntary service as judges. We truly appreciate the many organizations that provided special awards and in some cases additional judges. This State Science fair is the result of exceptionally dedicated service to your scientists by the hard working regional fair directors and the teachers who so capably guided their student to this level of achievement. We thank them and we especially applaud the special efforts made by the students who have conducted studies, prepared reports and displays and presented their projects at this State Science & Engineering Fair. The Board recognizes that these student achievements could not have been possible without strong extracurricular support, so the Board thanks the parents and others who provided assistance to these students.

The Board extends special thanks to Frank Fish, Coordinator of Science & Engineering Fair Awards, for acquiring, organizing, and helping present the many awards offered to the students.

Peter Sykora
Executive Secretary NDSSEF 2008
Northwest Regional Science & Engineering Fair Instructors - 2008

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Northeast Regional Science & Engineering Fair Instructors - 2008

<table>
<thead>
<tr>
<th>Name</th>
<th>School</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kathleen Melaas</td>
<td>Cavalier School</td>
<td>265-8417</td>
</tr>
<tr>
<td>Chad Kemp</td>
<td>Valley School</td>
<td>894-6226</td>
</tr>
<tr>
<td>Sue Bahe</td>
<td>Lakota School</td>
<td>247-2992</td>
</tr>
<tr>
<td>Karen Harder</td>
<td>Lakota School</td>
<td>247-2992</td>
</tr>
<tr>
<td>David Gleason</td>
<td>Dakota Prairie School</td>
<td>322-4771</td>
</tr>
<tr>
<td>Mary Gleason</td>
<td>Dakota Prairie School</td>
<td>345-8233</td>
</tr>
<tr>
<td>Ryan Townsend</td>
<td>Minto School</td>
<td>248-3479</td>
</tr>
<tr>
<td>Andrew Gunderson</td>
<td>Park River School</td>
<td>284-7164</td>
</tr>
<tr>
<td>Mari Bennington</td>
<td>Park River School</td>
<td>284-7164</td>
</tr>
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</table>

**Parent Contributors:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Phone</th>
</tr>
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<tbody>
<tr>
<td>Jenny Sun</td>
<td>EERC-Grand Forks</td>
<td></td>
</tr>
<tr>
<td>Ellen Feldman</td>
<td>Home School</td>
<td>741-5154</td>
</tr>
</tbody>
</table>
Southwest Central Regional Science & Engineering Fair Instructors - 2008

**Julie Hein**
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**Kathy Knoepfle**
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Southeast Central Regional Science & Engineering Fair Instructors - 2008

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**Thomas Eagleson**
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---

**NOTE**: The instructor list for the Southwest division had not been submitted to NDSU by the time of program printing.
Southeast Regional Science & Engineering Fair Instructors - 2008

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## Northwest Region  Junior High Division
Committee Members: A. Black, A. Kreft, W. Telehey, D. Moe

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Project Title</th>
<th>School</th>
</tr>
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<tbody>
<tr>
<td>101</td>
<td>Isaac Black</td>
<td>Super-Colloid</td>
<td>Williston Trinity Christian</td>
</tr>
<tr>
<td>102</td>
<td>Olivia Braaten</td>
<td>Are You Tired Yet?</td>
<td>Williston Trinity Christian</td>
</tr>
<tr>
<td>103</td>
<td>Tanner Burnett</td>
<td>Target Tactics</td>
<td>Williston Trinity Christian</td>
</tr>
<tr>
<td>104</td>
<td>Riley Ceglowski</td>
<td>Static Friction: A Scientific Way To Grade</td>
<td>Williston MS</td>
</tr>
<tr>
<td>105</td>
<td>Jordan Falcon</td>
<td>Synthetic Vs. Organic: Which One Is The Quicker Picker Upper</td>
<td>Trenton</td>
</tr>
<tr>
<td>106</td>
<td>LeNae Ferrell</td>
<td>What's Living In Your Shoes?</td>
<td>Trenton</td>
</tr>
<tr>
<td>107</td>
<td>Brooke Guttormson</td>
<td>What Floats Your Boat</td>
<td>Tioga</td>
</tr>
<tr>
<td>108</td>
<td>Julian Jaszczak</td>
<td>The Effect Of Wireless Interference With The Angulation Of Walls</td>
<td>Williston Trinity Christian</td>
</tr>
<tr>
<td>109</td>
<td>Jasmine Kreft</td>
<td>Ready…Set…Start!  Stop!</td>
<td>Williston Trinity Christian</td>
</tr>
<tr>
<td>110</td>
<td>Austin Nielson</td>
<td>When You're Miserable How Long Do You Want To Wait For Relief?</td>
<td>Tioga</td>
</tr>
<tr>
<td>111</td>
<td>Sarah O'Brien</td>
<td>What Types Of Oil Affect The Evaporation Of Water</td>
<td>Trenton</td>
</tr>
<tr>
<td>113</td>
<td>Austin Semenko</td>
<td>Which Leading Brand Of Motor Oil Will Cause The Least Amount Of Friction</td>
<td>Williston MS</td>
</tr>
<tr>
<td>114</td>
<td>Megan Telehey</td>
<td>Stop, Look, Listen!</td>
<td>Williston Trinity Christian</td>
</tr>
<tr>
<td>115</td>
<td>Jessa Zimmerman</td>
<td>The Effects Of Salinity On Seed Germination &amp; Early Plant Growth</td>
<td>Trenton</td>
</tr>
<tr>
<td>116</td>
<td>Seth Zimmerman</td>
<td>What Disinfectant Works The Best?</td>
<td>Trenton</td>
</tr>
</tbody>
</table>

### Alternates

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Project Title</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Brittney Bublitz</td>
<td>Beverage Acidity</td>
<td>Williston MS</td>
</tr>
<tr>
<td>2</td>
<td>Sarah Pippin</td>
<td>What Fruit Has The Highest Percent Of Natural Sugars</td>
<td>Williston MS</td>
</tr>
<tr>
<td>3E</td>
<td>Richard Gerwien</td>
<td>Hydrogen Power</td>
<td>Tioga</td>
</tr>
<tr>
<td>4</td>
<td>Danae Muscha</td>
<td>Does Playing Video Games Effect How You Do On A Test?</td>
<td>Williston MS</td>
</tr>
</tbody>
</table>


3. **Northeast Central Region, Junior Division**  
   **Sam Gutormson, Director**

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Project Title</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>133</td>
<td>Sara Schwanke</td>
<td>Watch the arrow fly</td>
<td>Maddock</td>
</tr>
<tr>
<td>134</td>
<td>Megan Lauinger</td>
<td>Finding E. coli on Vegetables</td>
<td>Maddock</td>
</tr>
<tr>
<td>135</td>
<td>Morgan Duren</td>
<td>Which Disinfectant works the best?</td>
<td>Maddock</td>
</tr>
<tr>
<td>136</td>
<td>Kristen Smith</td>
<td>Bacteria level found in Magazines</td>
<td>Maddock</td>
</tr>
<tr>
<td>137</td>
<td>Katelynn Engh</td>
<td>Which detergent should you trust?</td>
<td>Maddock</td>
</tr>
<tr>
<td>138</td>
<td>Jaden Kallenbach</td>
<td>The affect of soil salinity on plants</td>
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## 4. Northeast Region  Junior Division
Kathleen Melaas, Director

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<tr>
<td>149</td>
<td>Jean Pich</td>
<td>Five Second Rule- True or False</td>
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<td>150</td>
<td>Caitlin Skjervem</td>
<td>Can You See What I See?</td>
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<td>151</td>
<td>Lydia Kinneberg</td>
<td>Comparison of Caffeine in Beverages and Cardiovascular Effects</td>
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<td>152</td>
<td>Ryan Twedt</td>
<td>How Friction Affects Motion</td>
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<td>Carl Kolbo</td>
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<td>154E</td>
<td>Phil Brockman</td>
<td>Count &quot;Form&quot;ula: An Investigation in Computer Science</td>
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<td>Kody Ralston</td>
<td>Which Household Item Lubricates Metal the Best?</td>
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<td>Karlie Matejcek</td>
<td>What Did You Say?</td>
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<td>157</td>
<td>Kendra Swenson</td>
<td>Hot or Cold</td>
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<td>Chris Miller</td>
<td>Which Bridge is Stronger?</td>
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<td>Erica Anderson</td>
<td>The Light Eternal</td>
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<td>Zac Sundre</td>
<td>I Think I'm Wilting</td>
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<td>Morgan Matejcek</td>
<td>Wow! That's Bright!</td>
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<td>162</td>
<td>Ashlyn Nelson</td>
<td>Under Pressure?</td>
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5. **Southwest Region, Junior Division**  
**Brad Foss, Director**

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<tr>
<td>165</td>
<td>Marah Friez</td>
<td>Which handsoap kills germs the best?</td>
<td>Mott/Regent</td>
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<td>166</td>
<td>Kelcee Dykins</td>
<td>Shiney Whites</td>
<td>Beach</td>
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<td>167</td>
<td>Kaitlyn Kelly</td>
<td>Which Stain remover works the best?</td>
<td>Trinity</td>
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<td>Katie Uechert</td>
<td>Are all toothpastes the same?</td>
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<td>Jasmine Stockert</td>
<td>Which music grows on you?</td>
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<tr>
<td>170</td>
<td>Haley Sabe</td>
<td>Hoof health to milk wealth</td>
<td>Scranton</td>
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<td>171</td>
<td>Tyler Benes</td>
<td>Bridge Strengths</td>
<td>Beach</td>
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<td>172</td>
<td>Boston Zachmann</td>
<td>Airsoft Mania</td>
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<td>173</td>
<td>Bobby Szudera</td>
<td>It's getting HOT in here!</td>
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<td>174</td>
<td>Lucas Buchholz</td>
<td>Blasting Bullets</td>
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<td>Hannah Wegner</td>
<td>Which Wash</td>
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<td>Destiny Portanova</td>
<td>&quot;Vitamin C&quot; is what I see!</td>
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<td>McKyla Roll</td>
<td>Do people have better visual of auditory memory?</td>
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<td>Morgan Nunberg</td>
<td>Go with the Flow</td>
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<td>Brandi Kaitfors</td>
<td>Chicken Layer</td>
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<td>180</td>
<td>Sabrina Laframboise</td>
<td>Which burger is it?</td>
<td>Mott/Regent</td>
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</table>

**Alternates**

1. Karli Rothschilder  
   Disapearing pain killers  
   Trinity

2. Kaitlyn Olson  
   Growin or Slowin  
   Scranton

3. Logan Haberstrogh  
   Is underarmour the best sock insulator  
   Mott/Regent

4. Dalton Sorehn  
   Trinity
6. **Southwest Central Region, Junior Division**  
**Julie Hein & Julie Fleck, Directors**

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<td>Alex Glatt</td>
<td>A Germy Situation</td>
<td>Linton</td>
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<td>Matthew Schaefbauer</td>
<td>Dairy Farmers Dream</td>
<td>Strasburg</td>
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<td>183</td>
<td>Mary Wagner</td>
<td>Bacteria vs Footwear</td>
<td>Wing</td>
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<td>Patrick Schumacher</td>
<td>Silver vs Bacteria</td>
<td>Linton</td>
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<td>Ashley Bentz</td>
<td>Do Diverse Waters Affect Plant Growth?</td>
<td>Grant County</td>
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<td>186</td>
<td>Ella Heaton</td>
<td>Ancient Egyptian Beauty Secrets</td>
<td>Sterling</td>
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<td>187</td>
<td>Nathan Eberle</td>
<td>Effects of Fertilizer</td>
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<td>188</td>
<td>Kayla Seidler</td>
<td>What are the Effects of Acid Rain Plant Growth and Life</td>
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<td>Kaydee Heaton</td>
<td>Are You a Multitasker</td>
<td>Sterling</td>
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<td>Emmanuelle Hulm</td>
<td>Soap vs Sanitizer</td>
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<td>Sarah Morris</td>
<td>Carnation: Do or Die?</td>
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<td>Laura Huber</td>
<td>What Wood Glue Would You Use?</td>
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<td>Kellie Tougas</td>
<td>The Effect of Acid Rain on Marble</td>
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<td>Kristi Goldade</td>
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<td>Strasburg</td>
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<td>Marissa Leier</td>
<td>Effects of Radiation on Seed Germination</td>
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<td>Madelyn Kramer</td>
<td>Temperature Does It Make a Difference</td>
<td>Strasburg</td>
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**Alternates**

1. Jaci Hein  
   Bacteria in the Bathroom  
   Wing

2. Teddi-Lyn Bergquist  
   Music vs Reading  
   Wing
7. **Southeast Central Region, Junior Division**  
**Peter Sykora, Director**

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<td>Adam Wishek</td>
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<td>Jennifer Mahin</td>
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<td>Brianna Vance</td>
<td>Cloud vs. Relative Humidity</td>
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<td>Wendy Eszlinger</td>
<td>Crystals</td>
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<td>BreAnna Stroh</td>
<td>Solubility in Water</td>
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<td>Emily Wang</td>
<td>Bacteria vs. Oil</td>
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<td>Carl Entzi</td>
<td>Surface Tension of Bubbles</td>
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<td>Jonathan Borg</td>
<td>Does Size Matter?</td>
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<td>206</td>
<td>Elizabeth Bowens</td>
<td>Color Carnations</td>
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<td>Amber Rangeloff</td>
<td>Height Effects on Energy and Kinetic Energy</td>
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<td>208</td>
<td>Nicholas Knoblich</td>
<td>Purifying Water</td>
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<td>209</td>
<td>Matthew Martin</td>
<td>Get the Lead Out</td>
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<td>Kendal Fey</td>
<td>Decomposing Plates</td>
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<td>Abigail Belmore</td>
<td>Freezer Burn</td>
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<td>212</td>
<td>Danielle Bosch</td>
<td>The Growth of Bacteria and Bathroom Sinks</td>
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</table>

**Alternates**

1. James Johnston  
   Erosion at It's Best  
   Ellendale

2. Caleb Wagner  
   Soybeans: Inoculation vs.  
   LaMoure

3. Allison Barnick  
   The Affects of Charcoal on  
   Tappen

4. Tia Briese  
   The Mini Water Cycle  
   Tappen
### 8. Southeast Region, Junior Division
**Marcus Friskop, Director**

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<td>Dre Steinwehr</td>
<td>The Antimicrobial and Preserving Aspects of Natural Products</td>
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<td>214E</td>
<td>Matthew Donahue</td>
<td>Wind Turbines and Their Electric Output</td>
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<td>215</td>
<td>Caleb Meyer</td>
<td>Wing Geometry</td>
<td>Hope - Page</td>
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<td>Dustin Stroehl</td>
<td>The Effects of Noxious Weeds on <em>Glycine max</em></td>
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<td>Max Tolstedt</td>
<td>The Amazing Study of Visual and Auditory Learning</td>
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<td>218</td>
<td>Jennifer Riemann</td>
<td>A Comparative Study of Liquid Hand Soaps</td>
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<td>Brett Johnson</td>
<td>Neodymium Magnets and Temperature</td>
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<td>Lindsey Stein</td>
<td>The Usage of Herbs as Natural Bactericides</td>
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<td>221</td>
<td>Marissa Ellefson</td>
<td>Healthy Hamburger</td>
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<td>Tanner Coppin</td>
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<td>Teagan Lende</td>
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<td>224</td>
<td>Andrew Dosch</td>
<td>What is the Best Method to Purify Water?</td>
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<td>Carmen Titus</td>
<td>The Effects of Chili Peppers on Coccus and Bacillus Bacteria</td>
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<td>Grant Christianson</td>
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<td>Taylor Medenwald</td>
<td>An Exploration Into the Oral Cavity</td>
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<td>Lauren Veit</td>
<td>Recycling</td>
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1. **Northwest Region**  **Senior High Division**  
Committee Members: Andrea Black, Annette Kret, Wendy Telehey, Deb Moe

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<td>Victoria Bastian</td>
<td>Staphylococcus Epidermidis Defeats Vibro Fischeri</td>
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<td>302</td>
<td>Shelby Fisketjon</td>
<td>How Safe Is Our Food</td>
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<td>Katie Harger</td>
<td>Weight Gain</td>
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<td>Brittney Slaer</td>
<td>My Lip Gloss Is Poppin'</td>
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<td>305E</td>
<td>Schatzi Jore</td>
<td>Vehicle Line Detection Alert System</td>
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<td>Kristen Lutnes</td>
<td>Acid Vs. Cement</td>
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<td>Mackenzie Melby</td>
<td>Dynamic Locomotion</td>
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<td>Jacob Monson</td>
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<td>Hannah Ness</td>
<td>Investigating Pathogenic Bacteria In Produce &amp; Herbs</td>
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<td>Jennifer Nhieu</td>
<td>Inside Your Mind</td>
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<td>Amanda Odell</td>
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<td>Ryan Seil</td>
<td>Penetration Characteristics Of Lead, Steel, &amp; Tungsten-Nickel</td>
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<td>Christy Sperling</td>
<td>The Effect of Diatomeaous Earth To Chickens</td>
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<td>Jacob Telehey</td>
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<td>Siera Zimmerman</td>
<td>The Inhibitory Effects Of Natural/Edible Solutions On Selected Microbes/Bacteria</td>
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**Alternates**

1. Jordan Durward  The Untapped Resource  Trenton HS
2. Whitney Kitzan  The Right Facts About The Real Thing  Williston Trinity Christian
3. Jacob Stockman  Catching The Wind  Williston Trinity Christian
4. Mitchell Kvernum  Broadhead Penetration  Williston Trinity Christian
3.  **Northeast Central Region, Senior Division**  
    Sam Gutormson, Director

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<td>Sharisa Yri</td>
<td>Sample studies of Water</td>
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<td>Kaia Pranke</td>
<td>Comparision Analysis of Isolations of bacteria Found on Sethoscopes in Benson County</td>
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<td>335</td>
<td>Mackenzie Bullinger</td>
<td>Genetic color traits in quarter Horses</td>
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<td>Rachel Olson</td>
<td>Egg Digestion</td>
<td>Maddock</td>
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<td>337</td>
<td>Preston Guilderhus</td>
<td>Analysis of bacteria found in soil</td>
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<td>338</td>
<td>Mickel Buckmier</td>
<td>Germination of Crops at different temperatures</td>
<td>Maddock</td>
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<td>SaraLynn Davis</td>
<td>Life on Mars' Is it Possible?</td>
<td>St. John</td>
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<td>349</td>
<td>Robyn Kemp</td>
<td>Ooops! Beat the Bacteria to the Snack</td>
<td>Valley</td>
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<td>Jordan Eidenschink</td>
<td>Can a One Ounce Bridge Support 12.5 Pounds?</td>
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<td>351</td>
<td>Rachel Pishtek</td>
<td>Ballin!</td>
<td>Lakota</td>
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<td>352</td>
<td>Courtney Nilson</td>
<td>How Do Food Supplements Affect Weight Gain of Juvenile Mice</td>
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<td>353</td>
<td>Reid Kemp</td>
<td>The Effect of Weed Density on Bantam Wheat Biomass</td>
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<td>Lee Jelinek</td>
<td>Do Different Brands of 5W30 Oil Have Different Viscosities</td>
<td>Park River</td>
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<td>355</td>
<td>Nathan Kinneberg</td>
<td>Liftoff! Using Mathematics to Predict a Rocket's Trajectory</td>
<td>Dakota Prairie</td>
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<td>356</td>
<td>Ben Sun</td>
<td>I on Science, Eye on Pollutants</td>
<td>Grand Forks</td>
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Red River
### Southwest Region, Senior Division
Brad Foss, Director

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<td>Jon Carlson</td>
<td>Effects of Proper Semen thaw methods</td>
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<td>&quot;Warm water bath vs Pocket thaw&quot;</td>
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<td>366</td>
<td>Ethan Keller</td>
<td>What substance repels pheasants from corn</td>
<td>Mott/Regent</td>
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<td>Lance Green</td>
<td>Speakers: Changing the Sound with a Magnet</td>
<td>Mott/Regent</td>
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<td>Aaron Keller</td>
<td>Does playing video games affect GPA?</td>
<td>Mott/Regent</td>
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<td>Jacob Weinreis</td>
<td>What is your angle?</td>
<td>Beach</td>
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<td>Lidsay Olson</td>
<td>Lies and Alibies</td>
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<td>Kyla Teske</td>
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<td>Hannah Sabe</td>
<td>Music in the Mind</td>
<td>Scranton</td>
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<td>373</td>
<td>Chloe Krinke</td>
<td>Growing the Future</td>
<td>Scranton</td>
</tr>
<tr>
<td>374</td>
<td>Shawn Sanford</td>
<td>The Fuel of the Future</td>
<td>Scranton</td>
</tr>
<tr>
<td>375</td>
<td>Celeb Larson</td>
<td>Clean enough to eat off…Kind of</td>
<td>Scranton</td>
</tr>
<tr>
<td>376</td>
<td>Jerrica Massey</td>
<td>Food vs. Fuel</td>
<td>Scranton</td>
</tr>
<tr>
<td>377</td>
<td>Megan Strube</td>
<td>Optimal Frog size, bar position, &amp; Center correction for the hooves of Equus</td>
<td>Trinity</td>
</tr>
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<td></td>
<td></td>
<td>Caballus</td>
<td></td>
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<tr>
<td>378</td>
<td>Aric Ficek</td>
<td>The effects of Ethanol-Gasoline(Blended on engine performance.</td>
<td>Trinity</td>
</tr>
<tr>
<td>379</td>
<td>Tyler Swenson</td>
<td>A Novel Group of Soluble Polypyridyl Ligands: Building blocks for Catalysts</td>
<td>Dickinson</td>
</tr>
<tr>
<td></td>
<td></td>
<td>of the future</td>
<td></td>
</tr>
<tr>
<td>380</td>
<td>Nevada Turbiville</td>
<td>Brrrr… There’s another calf</td>
<td>Scranton</td>
</tr>
</tbody>
</table>

**Alternates**

<table>
<thead>
<tr>
<th></th>
<th>Name</th>
<th>Project Title</th>
<th>School</th>
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<tbody>
<tr>
<td>1</td>
<td>Lynea Skoglund</td>
<td>What is your rhythm</td>
<td>Beach</td>
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<tr>
<td>2</td>
<td>Courtney Miller</td>
<td>Singles, Twins, and Triplets</td>
<td>Scranton</td>
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<tr>
<td>3</td>
<td>Cody Klein</td>
<td>Too much or not enough</td>
<td>Scranton</td>
</tr>
<tr>
<td>4</td>
<td>Justin Benischek</td>
<td>Sports and Energy Drinks</td>
<td>Scranton</td>
</tr>
</tbody>
</table>
6. **Southwest Central Region, Senior Division**  
*Julie Hein & Julie Fleck, Directors*

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Project Title</th>
<th>School</th>
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</thead>
<tbody>
<tr>
<td>381</td>
<td>Ella Hein</td>
<td>A Correlative Study on the Effect of Motion During Early Development on the Existence of Motion Sickness</td>
<td>Wing</td>
</tr>
<tr>
<td>382</td>
<td>Nicole Hulm</td>
<td>Is Your Drinking Water Safe</td>
<td>Linton</td>
</tr>
<tr>
<td>383</td>
<td>Devon Bo McAlexander</td>
<td>How Has Pollution Affected the Buffering Capacity of Local Bodies of Water</td>
<td>Grant County</td>
</tr>
<tr>
<td>384</td>
<td>Kalyssa Leithold</td>
<td>Control Methods of Leafy Spurge</td>
<td>Grant County</td>
</tr>
<tr>
<td>385</td>
<td>Kimberly Hulm</td>
<td>If Water is Green can it Still Be Cleaned?</td>
<td>Strasburg</td>
</tr>
<tr>
<td>386</td>
<td>Clarence Laub III</td>
<td>Three Point Quick Hitch for the Handicapped and elderly</td>
<td>Grant County</td>
</tr>
<tr>
<td>387</td>
<td>Stephanie Volk</td>
<td>Mapping the Tounge</td>
<td>Linton</td>
</tr>
<tr>
<td>388</td>
<td>Katie DelVecchio</td>
<td>Determining a More Efficient Method for the Transformation and Growth of Bacterial Plasmids</td>
<td>Century High</td>
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<tr>
<td>389</td>
<td>Carlene Ternes</td>
<td>Does Dominant Dominate</td>
<td>Strasburg</td>
</tr>
<tr>
<td>390</td>
<td>Tyrell Edinger</td>
<td>Which Growing Medium Works Best in Hydroponics?</td>
<td>Grant County</td>
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<tr>
<td>391</td>
<td>Brian Tschosik</td>
<td>Does Color Help?</td>
<td>Wilton</td>
</tr>
<tr>
<td>392</td>
<td>Erin Gaugler</td>
<td>The Investigation of Possible Natural Antibiotics in Soil</td>
<td>Grant County</td>
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<tr>
<td>393</td>
<td>Zachary Seidler</td>
<td>What is the Best Tyoe of Soil to Grow Wheat with the Same Amount of Water and Fertilizer</td>
<td>Grant County</td>
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<tr>
<td>394</td>
<td>Alexis Hochhalter</td>
<td>MRSA in the Community</td>
<td>Wilton</td>
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<tr>
<td>395</td>
<td>Allison Kassian</td>
<td>Which Water is the Safest Based on Lead and Arsenic Levels</td>
<td>Wilton</td>
</tr>
<tr>
<td>396</td>
<td>Sydney Fox</td>
<td>Does Packaging Affect Children’s Preferences</td>
<td>Wing</td>
</tr>
</tbody>
</table>

**Alternates**

1. Ashley Landsiedle  
   Memory vs Personality  
   Wing
2. Connor Leavorson  
   Concrete Options  
   Grant County
### Southeast Central Region, Senior Division
Peter Sykora, Director

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Project Title</th>
<th>School</th>
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</thead>
<tbody>
<tr>
<td>397</td>
<td>Kiley Fuller</td>
<td>Reuse Maybe Not</td>
<td>Ellendale</td>
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<tr>
<td>398</td>
<td>Jenna McDowell</td>
<td>Reaction! Boys vs. Girls</td>
<td>Edgeley</td>
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<tr>
<td>399</td>
<td>Jared Mittleider</td>
<td>Can You Shield a Magnet?</td>
<td>Tappen</td>
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<tr>
<td>400</td>
<td>Bea Fischer</td>
<td>Acid Rain 2</td>
<td>Ashley</td>
</tr>
<tr>
<td>401</td>
<td>Brandon Stroh</td>
<td>The Effects of Time on Water Content in Silage</td>
<td>Tappen</td>
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<tr>
<td>402</td>
<td>Taylor Erickson</td>
<td>Leaf it to the Light</td>
<td>Edgeley</td>
</tr>
<tr>
<td>403</td>
<td>Laura Juelfs</td>
<td>Comparative Heat Analysis of Alternative Biomass Fuels</td>
<td>Tappen</td>
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<tr>
<td>404</td>
<td>Sarah Johnston</td>
<td>Earth or Water</td>
<td>Ellendale</td>
</tr>
<tr>
<td>405</td>
<td>Kyah Loeks</td>
<td>Teeth Whiteners</td>
<td>LaMoure</td>
</tr>
<tr>
<td>406</td>
<td>Ryan Flynn</td>
<td>Filthy Phones</td>
<td>Ellendale</td>
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<tr>
<td>407</td>
<td>Dalton Toay</td>
<td>What have they been drinking?</td>
<td>Edgeley</td>
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<tr>
<td>408</td>
<td>Donovon Flaherty</td>
<td>H2OH</td>
<td>Ellendale</td>
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<tr>
<td>409</td>
<td>Jonathan Juelfs</td>
<td>Strength Testing of Structural Lumber</td>
<td>Juelfs Home School</td>
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<tr>
<td>410</td>
<td>Alexander McHenry</td>
<td>The Most Economical Way to Make Bio-Diesel</td>
<td>Tappen</td>
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<tr>
<td>411</td>
<td>Taylar Hack</td>
<td>About the Sprout</td>
<td>Ellendale</td>
</tr>
<tr>
<td>412</td>
<td>Larissa Rott</td>
<td>Microwave Radiation</td>
<td>Ashley</td>
</tr>
</tbody>
</table>

**Alternates**

1. Mollie Henke  Melting Ice  Ashley
### 8. Southeast Region, Senior Division
Marcus Friskop, Director

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Project Title</th>
<th>School</th>
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</thead>
<tbody>
<tr>
<td>413</td>
<td>Alyson Hubrig</td>
<td>The Impact of <em>Tagetes</em> on the Corn Industry</td>
<td>Hankinson</td>
</tr>
<tr>
<td>414</td>
<td>Brianna Parr</td>
<td>To See or Hear…That is the Question</td>
<td>Hope - Page</td>
</tr>
<tr>
<td>415</td>
<td>Anthony Pohl</td>
<td>The Agricultural Effects of Detrimental Weeds on Soybeans</td>
<td>Hankinson</td>
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<tr>
<td>416</td>
<td>Logan Metzen</td>
<td>The Chemical Attributes and Efficiency of Biodiesel</td>
<td>Hankinson</td>
</tr>
<tr>
<td>417</td>
<td>Garrett Heyerdahl</td>
<td>Effects of Spoilers</td>
<td>Griggs County Central</td>
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<tr>
<td>418</td>
<td>Patrick Gulan</td>
<td>An Investigation into the Water Quality of Regional Lakes</td>
<td>Hankinson</td>
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<tr>
<td>419</td>
<td>Kaitlin College</td>
<td>Does <em>E. coli</em> Growth Differ in Organic and Nonorganic Produce?</td>
<td>Griggs County Central</td>
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<tr>
<td>420</td>
<td>Adam Muehler</td>
<td>The Significance of Poultry Growth Enhancers &amp; Digestive By-Products</td>
<td>Hankinson</td>
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<tr>
<td>421</td>
<td>Brent Noonan</td>
<td>Cross Hand Eye Dominance vs. Same Side Dominance</td>
<td>Lisbon</td>
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<tr>
<td>422</td>
<td>Rebecca Asp</td>
<td>A Study of Beneficial Properties of the Genus <em>Vitis</em></td>
<td>Hankinson</td>
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<tr>
<td>423</td>
<td>Aubrey Ellefson</td>
<td>Insulation: How to Keep Warm</td>
<td>Griggs County Central</td>
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<tr>
<td>424</td>
<td>Megan Meyer</td>
<td>The Usage of <em>Camellia sinensis as a Biopesticide</em></td>
<td>Hankinson</td>
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<td>425</td>
<td>Cole Koppang</td>
<td>Using Electrolysis</td>
<td>Griggs County Central</td>
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<tr>
<td>426</td>
<td>Megan Tiegs</td>
<td>The Effects of Feed Additives on Bos taurus</td>
<td>Hankinson</td>
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<tr>
<td>427</td>
<td>Julie Heiggelke</td>
<td>Matching the Mind's Eye</td>
<td>Lisbon</td>
</tr>
<tr>
<td>428</td>
<td>Emily Pankow</td>
<td>The Pesticidal Influence of Wildflowers on Helianthus annuus</td>
<td>Hankinson</td>
</tr>
</tbody>
</table>
Awards for the

58th North Dakota State Science & Engineering Fair

Hosted by
North Dakota State University

NDSU

April 3 - 4, 2008
NDSU Memorial Union

The North Dakota Science & Engineering Fair Association and North Dakota State University sincerely thank the organizations and individuals who contributed awards to recognize student achievement and courage students to pursue careers in the sciences. The following list of awards is only descriptive. The award providers, host, and the Association reserve the right to modify, add, or delete awards without prior notice.
STATE SCIENCE & ENGINEERING FAIR AWARDS: JUNIOR DIVISION

At the North Dakota State Science & Engineering Fair, four junior division students from each of the seven categories are selected to receive special recognition. Two are selected as second-place winners, and two are selected as first-place winners. In addition, one presenter is selected as the junior division runner-up sweepstakes award winner and one as the junior division sweepstakes award winner. Awards are as follows:

Second-place Winners: Each second place winner receives a silver plaque.

First-place winners: Each first place winner receives a gold plaque.

Runner-up Sweepstakes Winner: The runner-up sweepstakes winner is judges as presenting the second-best junior division project from all regions and from any discipline category and receive a silver North Dakota plaque and a cash award of $50 from the North Dakota Science & Engineering Fair Association.

Sweepstakes Winner: The sweepstakes winner is judged as presenting the best junior division project from all regions and from any discipline category. The sweepstakes winner receives a gold North Dakota plaque, and a certificate of merit and cash award from the North Dakota Academy of Science and a cash award of $100 from the North Dakota Science & Engineering Fair Association.

STATE SCIENCE & ENGINEERING FAIR AWARDS: SENIOR DIVISION

From among the students presenting projects in the senior division at the North Dakota Science and Engineering Fair, four students from each of the seven regions are selected to receive special recognition. Two are selected as second-place winners and two are selected as first-place winners. In addition, one student is selected as presenting an outstanding project from among all regions and category disciplines and receives the senior division runner-up sweepstakes award. The student who presents the best project from among all regions and category disciplines in the senior division is named the senior division sweepstakes winner. Awards are as follows:

Second-place Winners: The 16 second-place winners receive a silver plaque, and they are named as alternates to attend the International Science and Engineering Fair (ISEF) at Atlanta, Georgina in May 2008. Each ISEF exhibitor will also receive a $16,000 scholarship ($4,000/year) to be used in four consecutive years of undergraduate studies at the University of Mary in Bismarck.

First-place Winners: The 16 first-place winners receive a gold plaque and a jacket. They also compete as North Dakota representatives at the ISEF in Atlanta, Georgia. Each ISEF exhibitor will also receive a $16,000 scholarship ($4,000/year) to be used in four consecutive years of undergraduate studies at the University of Mary in Bismarck.

Runner-up Sweepstakes Winner: The runner-up sweepstakes winners are judges as presenting the second-best senior division project from all regions and from any discipline category. In addition to the competing at ISEF, the winner receives a silver North Dakota plaque and a jacket, plus a $6,000 scholarship ($1,500/year) to NDSU.

Sweepstakes Winner: The sweepstakes winner is judged as presenting the best senior division project from all regions and from any discipline category. In addition to competing at ISEF, the winner receives a gold North Dakota plaque, a jacket and a certificate of merit and cash award from the North Dakota Academy of Science, plus an $8,000 scholarship ($2,000/year) to NDSU.

Traux-Traer Traveling Trophy: The sweepstakes winner’s school receives the Traux-Traer Traveling Trophy.
AGRICULTURE

NORTH DAKOTA CATTLEWOMEN SPONSORS AN AWARD FOR FIVE OUTSTANDING PROJECTS RELATED TO BOTANICAL OR ZOOLOGICAL AGRICULTURE. THESE AWARDS ARE PRESENTED TO FIVE WINNERS SELECTED FROM THE JUNIOR OR SENIOR HIGH DIVISIONS. THE AWARD CONSISTS OF A GIFT CERTIFICATE FROM TACO JOHN’S AND A CERTIFICATE SUITABLE FOR FRAMING.

NORTH DAKOTA FARMERS UNION INSURANCE COMPANY SPONSORS AN AWARD FOR: AN OUTSTANDING PROJECT RELATED TO AGRICULTURE. THE AWARD IS PRESENTED TO 2 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $25 AND A CERTIFICATE SUITABLE FOR FRAMING.

NORTH DAKOTA FARMERS UNION INSURANCE COMPANY SPONSORS AN AWARD FOR: AN OUTSTANDING PROJECT RELATED TO AGRICULTURE. THE AWARD IS PRESENTED TO 2 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $50 AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU COLLEGE OF AGRICULTURE, DR. KEN GRAFTON, DEAN, SPONSORS AN AWARD FOR: AN OUTSTANDING PROJECT RELATED TO AGRICULTURE. THE AWARD CONSISTS OF A CASH AWARD OF $300 TO A SENIOR HIGH STUDENT WHO PURSUES A MAJOR IN THE COLLEGE OF AGRICULTURE, FOOD SYSTEMS & NATURAL RESOURCES AT NDSU AND A CASH AWARD OF $100, AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU COLLEGE OF AGRICULTURE, DR. KEN GRAFTON, DEAN, SPONSORS AN AWARD AND A CERTIFICATE SUITABLE FOR FRAMING, FOR THE BEST PROJECT IN AGRICULTURE IN THE JUNIOR DIVISION.

APPLICABLE TO AIR AND SPACE VENTURES:

UNITED STATES AIR FORCE SPONSORS AN AWARD FOR: OUTSTANDING PROJECTS THAT HAVE APPLICATIONS USEFUL TO THE UNITED STATES AIR FORCE. THESE AWARDS WILL BE PRESENTED TO 4 WINNERS SELECTED FROM THE JUNIOR OR SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A JUNIOR WRITING PADOFOLIO, A FOLDOUT USB FLASH DRIVE, A BALLPOINT PEN, WI-FI HOTSPOT FINDER, A MICRO-TEK MESSENGER BAG, AND A CERTIFICATE.

UNITED STATES ARMY SPONSORS AN AWARD FOR: AN OUTSTANDING PROJECT IN THE SPACE SCIENCE CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

ARCHEOLOGY

NORTH DAKOTA ARCHEOLOGICAL ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS OF ARCHEOLOGICAL OR HISTORICAL SIGNIFICANCE. THESE AWARDS ARE PRESENTED TO AN UNLIMITED NUMBER OF WINNERS IN THE JUNIOR AND SENIOR DIVISIONS AS DETERMINED BY THE ARCHEOLOGY JUDGES. THE AWARD CONSISTS OF A FRAMED CERTIFICATE.

ARTS, HUMANITIES AND SOCIAL SCIENCES

NDSU COLLEGE OF ARTS, HUMANITIES AND SOCIAL SCIENCES, DR. TOM RILEY, DEAN, SPONSORS A $250 SCHOLARSHIP TO A STUDENT FROM THE SENIOR DIVISION WHO PURSUES A MAJOR IN THE COLLEGE OF ARTS, HUMANITIES AND SOCIAL SCIENCES AT NDSU. IN ADDITION TO THE $250 SCHOLARSHIP, THE COLLEGE OF ARTS, HUMANITIES
AND SOCIAL SCIENCES WILL SPONSOR A $100 CASH AWARD AND A CERTIFICATE
SUITABLE FOR FRAMING TO A STUDENT IN THE SENIOR DIVISION FOR THE PROJECT
JUDGED BEST IN THE SOCIAL SCIENCES OR BEST MELD AN ASPECT OF THE HUMANITIES
OR FINE ARTS WITH THE PHYSICAL, LIFE, OR SOCIAL SCIENCES.

NDSU COLLEGE OF ARTS, HUMANITIES AND SOCIAL SCIENCES, DR. TOM RILEY, DEAN,
SPONSORS A $50 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING TO A
STUDENT IN THE JUNIOR DIVISION FOR THE PROJECT JUDGED BEST IN THE SOCIAL
SCIENCES OR BEST MELD AN ASPECT OF THE HUMANITIES OR FINE ARTS WITH THE
PHYSICAL, LIFE, OR SOCIAL SCIENCES.

BIOCHEMISTRY

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE
BIOCHEMISTRY CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR
HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

BIOLOGY (ZOOLOGY & BOTANY)

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McCAUL, DEAN,
SPONSORS A $100 AWARD FOR THE BEST PROJECT IN THE BIOLOGICAL SCIENCES IN
THE SENIOR DIVISION. IN ADDITION TO THE $100 CASH AWARD THE WINNING STUDENT
WILL RECEIVE A $300 SCHOLARSHIP IF HE/SHE PURSUES A MAJOR IN THE COLLEGE OF
SCIENCE AND MATHEMATICS AT NDSU. THE WINNER WILL ALSO RECEIVE A
CERTIFICATE SUITABLE FOR FRAMING.

NATIONAL ASSOCIATION OF BIOLOGY TEACHERS SPONSORS AN AWARD FOR
AN OUTSTANDING PROJECT IN BIOLOGY OR LIFE SCIENCES, PRESENTED TO 1 WINNER
IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

NDSU ENTOMOLOGY CLUB, KRISTINA FOX, PRESIDENT, SPONSORS AN AWARD FOR
THE BEST PROJECT IN ENTOMOLOGY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE
JUNIOR OR SENIOR HIGH DIVISIONS.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE
ZOOLOGY CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH
DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE BOTANY
CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION.
THE AWARD CONSISTS OF A CERTIFICATE.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE LIFE
SCIENCE CATEGORIES. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH
DIVISION. THE AWARD CONSISTS OF A CERTIFICATE IN A PRESENTATION FOLDER AND
A $50 SAVINGS BOND OR A $100 SAVINGS BOND AND AN ARMY SCIENCE EXCELLENCE
SILVER MEDALLION IF IT IS THE ARMY’S TOP SELECTION.

BIOLOGY (ZOOLOGY & BOTANY)

BIOLOGY (ZOOLOGY & BOTANY)

JUNIOR HIGH DIVISION

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McCAUL, DEAN
SPONSORS A $50 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR
THE BEST PROJECT IN BIOLOGICAL SCIENCES IN THE JUNIOR DIVISION.
NDSU ENTOMOLOGY CLUB, KRISTIAN FOX, PRESIDENT, SPONSORS AN AWARD FOR: THE BEST PROJECT IN ENTOMOLOGY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE JUNIOR OR SENIOR HIGH DIVISIONS.

NATIONAL ASSOCIATION OF BIOLOGY TEACHERS SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN BIOLOGY OR LIFE SCIENCES. THIS AWARD IS PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE SUITABLE FOR FRAMING.

BUSINESS ADMINISTRATION

NDSU COLLEGE OF BUSINESS ADMINISTRATION, DR. RON JOHNSON, DEAN, SPONSORS A $300 SCHOLARSHIP TO THE WINNING STUDENT IN THE SENIOR HIGH DIVISION WHO PURSUES A MAJOR IN THE COLLEGE OF BUSINESS ADMINISTRATION AT NDSU. IN ADDITION TO THE $300 SCHOLARSHIP, THE COLLEGE OF BUSINESS ADMINISTRATION WILL SPONSOR A $100 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE BEST BUSINESS-RELATED PROJECT IN THE SENIOR HIGH DIVISION.

NDSU COLLEGE OF BUSINESS ADMINISTRATION, DR. RON JOHNSON, DEAN, SPONSORS A $50 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE BEST BUSINESS-RELATED PROJECT IN THE JUNIOR HIGH DIVISION.

CHEMISTRY & CLINICAL CHEMISTRY

AMERICAN ASSOCIATION OF CLINICAL CHEMISTS SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN CLINICAL CHEMISTRY WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $100 AND A CERTIFICATE SUITABLE FOR FRAMING.

AMERICAN CHEMICAL SOCIETY-RED RIVER VALLEY SECTION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE FIELD OF CHEMISTRY WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH OR SENIOR HIGH DIVISION. THE AWARD IS A $100 SAVINGS BOND AND A CERTIFICATE SUITABLE FOR FRAMING.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE CHEMISTRY CATEGORY. THIS AWARD WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McCaul, DEAN, SPONSORS A $100 AWARD FOR THE BEST PROJECT IN CHEMISTRY IN THE SENIOR DIVISION. IN ADDITION TO THE $100 CASH AWARD THE WINNING STUDENT WILL RECEIVE A $300 SCHOLARSHIP IF HE/SHE PURSUES A MAJOR IN THE COLLEGE OF SCIENCE AND MATHEMATICS AT NDSU, AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McCaul, DEAN, SPONSORS A $50 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE BEST PROJECT IN CHEMISTRY IN THE JUNIOR DIVISION.

DENTISTRY

NORTH DAKOTA DENTAL ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO DENTISTRY THAT WILL BE PRESENTED TO TWO WINNERS, IN THE JUNIOR HIGH DIVISION. THE AWARDS CONSISTS OF A CASH AWARD OF $50, AND A CERTIFICATE SUITABLE OF FRAMING.
NORTH DAKOTA DENTAL ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO DENTISTRY THAT WILL BE PRESENTED TO TWO WINNERS, IN THE SENIOR HIGH DIVISION. THE AWARDS CONSISTS OF A CASH AWARD OF $50, AND A CERTIFICATE SUITABLE OF FRAMING.

ENERGY AND POWER

MDU RESOURCES GROUP, INC. SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 3 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $25 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

XCEL ENERGY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 3 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $25 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

OTTERTAIL POWER COMPANY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 2 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $50 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

ENERGY AND POWER (JUNIOR HIGH DIVISION)

MDU RESOURCES GROUP, INC. SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 3 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $25 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

XCEL ENERGY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 3 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $25 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

OTTERTAIL POWER COMPANY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 2 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $50 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

ENERGY AND POWER (SENIOR HIGH DIVISION)

MDU RESOURCES GROUP, INC. SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 3 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $25 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

XCEL ENERGY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 3 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $25 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

OTTERTAIL POWER COMPANY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO ENERGY OR ELECTRICITY WHICH WILL BE PRESENTED TO 2 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $50 EACH AND CERTIFICATES SUITABLE FOR FRAMING.

ENGINEERING or CORROSION

ASM INTERNATIONAL FOUNDATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN MATERIALS ENGINEERING WHICH WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH OR SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A MEDALLION AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU COLLEGE OF ENGINEERING AND ARCHITECTURE, DR. GARY SMITH, DEAN, SPONSORS A $500 SCHOLARSHIP TO A STUDENT WHO PURSUES A MAJOR IN THE COLLEGE OF ENGINEERING AND ARCHITECTURE AT NDSU. IN ADDITION TO THE $500 SCHOLARSHIP, THE COLLEGE OF ENGINEERING AND ARCHITECTURE, WILL SPONSOR A $200 AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE BEST PROJECT IN ENGINEERING, IN THE SENIOR DIVISION.
NDSU COLLEGE OF ENGINEERING AND ARCHITECTURE, DR. GARY SMITH, DEAN,
SPONSORS A $100 AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE
SECOND BEST PROJECT IN THE ENGINEERING CATEGORY IN THE SENIOR DIVISION.

NDSU COLLEGE OF ENGINEERING AND ARCHITECTURE, DR. GARY SMITH, DEAN,
SPONSORS A $100 AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE
BEST PROJECT IN THE ENGINEERING CATEGORY IN THE JUNIOR DIVISION.

HERBERT HOOVER PRESIDENTIAL LIBRARY ASSOCIATION. SPONSORS AN AWARD FOR:
AN OUTSTANDING PROJECT IN THE ENGINEERING CATEGORY WHICH WILL BE
PRESENTED TO 1 WINNER IN THE JUNIOR HIGH OR SENIOR HIGH DIVISION. THE AWARD
CONSISTS OF A MEDALLION AND A CERTIFICATE SUITABLE FOR FRAMING.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE
ENGINEERING CATEGORIES. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR
HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE IN A PRESENTATION FOLDER
AND A $50 SAVINGS BOND OR A $100 SAVINGS BOND AND AN ARMY SCIENCE
EXCELLENCE SILVER MEDALLION IF IT IS THE ARMY’S TOP SELECTION.

THE SOCIETY OF AUTOMOTIVE ENGINEERS SPONSORS A $250 AWARD, A FRAMED CERTIFICATE
AND SOME SOCIETY OF AUTOMOTIVE ENGINEERS MERCHANDISE FOR THE BEST
PROJECT IN THE ENGINEERING CATEGORY IN THE SENIOR DIVISION.

THE SOCIETY OF AUTOMOTIVE ENGINEERS SPONSORS A $250 AWARD, A FRAMED CERTIFICATE
AND SOME SOCIETY OF AUTOMOTIVE ENGINEERS MERCHANDISE FOR THE BEST
PROJECT IN THE ENGINEERING CATEGORY IN THE JUNIOR DIVISION.

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS SPONSORS AN AWARD FOR:
AN OUTSTANDING PROJECT IN THE ENGINEERING CATEGORY WHICH WILL BE
PRESENTED TO 1 WINNER IN THE JUNIOR HIGH OR SENIOR HIGH DIVISION. THE AWARD
CONSISTS OF A LAPEL PIN, A CERTIFICATE SUITABLE FOR FRAMING AND A ONE YEAR
SUBSCRIPTION TO ENGINEERING TIMES.

ENVIRONMENTAL JUNIOR HIGH DIVISION

COALITION FOR CONSERVATION & ENVIRONMENTAL EDUCATION SPONSORS AN AWARD FOR
AN OUTSTANDING PROJECT RELATED TO THE ENVIRONMENT WHICH WILL BE
PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A
LARGE ROSETTE AND A CERTIFICATE SUITABLE FOR FRAMING, AND A $50 SAVINGS
BOND

NORTH DAKOTA SOIL CONSERVATION DISTRICT/AUXILIARY SPONSORS AN AWARD FOR
OUTSTANDING PROJECTS RELATED TO SOIL CONSERVATION WHICH WILL BE
PRESENTED TO 2 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH
AWARD OF $50 FOR THE TWO BEST PROJECTS IN THE DIVISION AND CERTIFICATES
SUITABLE FOR FRAMING TO BOTH WINNERS.

THE NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION SPONSORS AN AWARD FOR
AN OUTSTANDING PROJECT RELATED TO RESEARCH THAT HAS DEMONSTRATED THE
PRINCIPLES AND TECHNICAL INNOVATIONS THAT OFFER THE GREATEST POTENTIAL
FOR AN IMPROVED UNDERSTANDING OF EARTH’S DYNAMIC PROCESSES. THE AWARD
IS A CERTIFICATE SUITABLE FOR FRAMING. THIS AWARD IS PRESENTED TO 1 WINNER IN
THE JUNIOR HIGH DIVISION.
ENVIRONMENTAL

COALITION FOR CONSERVATION & ENVIRONMENTAL EDUCATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO THE ENVIRONMENT WHICH WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A LARGE ROSETTE AND A CERTIFICATE SUITABLE FOR FRAMING, AND A $50 SAVINGS BOND.

NORTH DAKOTA SOIL CONSERVATION DISTRICT/AUXILIARY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO SOIL CONSERVATION WHICH WILL BE PRESENTED TO 2 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $50 FOR THE TWO BEST PROJECTS IN THE DIVISION AND CERTIFICATES SUITABLE FOR FRAMING TO BOTH WINNERS.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE ENVIRONMENTAL SCIENCE CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE, POSSIBLY A $50 SAVINGS BOND (IF ONE OF THE ARMY’S TOP SELECTIONS) OR A $100 SAVINGS BOND (IF IT IS THE ARMY’S TOP SELECTION).

RICOH CORPORATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE SENIOR DIVISION RELATED TO THE GREATEST POTENTIAL FOR INCREASING OUR ABILITY TO GROW ENVIRONMENTALLY FRIENDLY AND SocialLY RESPONSIBLE BUSINESSES. THE AWARD IS A CERTIFICATE, AND A CHANCE TO MOVE ON TO NATIONAL COMPETITION.

GEOSCIENCES & METEOROLOGY

ASSOCIATION FOR WOMEN GEOSCIENISTS SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO GEOSCIENCES PRESENTED TO 1 WINNER WHO MUST BE A FEMALE EXHIBITOR IN THE JUNIOR HIGH OR SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

THE NORTH DAKOTA GEOLOGICAL SOCIETY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS IN THE FIELD OF GEOLOGY OR EARTH SCIENCE WHICH IS PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $50 AND A CERTIFICATE.

NORTH DAKOTA GEOLOGICAL SOCIETY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS IN THE FIELD OF GEOLOGY OR EARTH SCIENCE WHICH IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD IS A CASH AWARD OF $50 AND A CERTIFICATE.

THE AMERICAN METEOROLOGICAL SOCIETY SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO METEOROLOGY WHICH WILL BE PRESENTED TO 2 WINNERS IN THE JUNIOR HIGH OR SENIOR HIGH DIVISION. THE AWARDS CONSISTS OF CERTIFICATES SUITABLE FOR FRAMING.

HUMAN NUTRITION

NORTH DAKOTA DIETETIC ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO THE SCIENCE OF HUMAN NUTRITION WHICH WILL BE PRESENTED TO 2 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD IS A SAVINGS BOND ($100 FOR FIRST & $50 FOR SECOND) AND CERTIFICATES SUITABLE FOR FRAMING.

NORTH DAKOTA DIETETIC ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO THE SCIENCE OF HUMAN NUTRITION WHICH WILL BE PRESENTED TO 2
WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD IS A SAVINGS BOND ($100 FOR FIRST & $50 FOR SECOND) AND CERTIFICATES SUITABLE FOR FRAMING.

INTERNATIONAL SCIENCE FAIR ALUMNI

ISEF ALUMNI, WILL SPONSOR AN AWARD FOR THE OUTSTANDING PROJECT AS DETERMINED BY THE ISEF ALUMNI JUDGES WHICH WILL CONSIST OF A CASH AWARD OF $200 AND A CERTIFICATE SUITABLE FOR FRAMING.

ISEF ALUMNI, WILL SPONSOR AN AWARD FOR THE SECOND BEST PROJECT AS DETERMINED BY THE ISEF ALUMNI JUDGES WHICH WILL CONSIST OF A CASH AWARD OF $100 AND A CERTIFICATE SUITABLE FOR FRAMING.

MEDICINE AND HEALTH
MICROBIOLOGY
LABORATORY MEDICINE

AMERICAN SOCIETY FOR CLINICAL LABORATORY (N.DAK,) SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO LABORATORY MEDICINE WHICH WILL BE PRESENTED TO 2 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARDS CONSISTS OF A CASH AWARD OF $25 AND A CERTIFICATE SUITABLE FOR FRAMING.

AMERICAN SOCIETY FOR CLINICAL LABORATORY (N.DAK,) SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO LABORATORY MEDICINE WHICH WILL BE PRESENTED TO 2 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARDS CONSISTS OF A CASH AWARD OF $25 AND A CERTIFICATE SUITABLE FOR FRAMING.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE MICROBIOLOGY CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE MEDICINE AND HEALTH CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

UNITED STATES PUBLIC HEALTH SERVICE SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO A HEALTHY LIFESTYLE WHICH WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH OR SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE FROM THE SURGEON GENERAL.

NORTH DAKOTA ACADEMY OF FAMILY PHYSICIANS SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT THAT EXEMPLIFIES THE GOALS AND MISSION OF THE NDAFP, WHICH WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $50 AND A CERTIFICATE SUITABLE FOR FRAMING.

MATHEMATICS AND COMPUTER SCIENCE

SENIOR HIGH DIVISION

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McCaul, DEAN, SPONSORS A $100 AWARD FOR THE BEST PROJECT IN THE MATHEMATICS/ COMPUTER SCIENCE CATEGORY IN THE SENIOR DIVISION. IN ADDITION TO THE $100 CASH AWARD THE WINNING STUDENT WILL RECEIVE A $300 SCHOLARSHIP IF HE/SHE
Pursues a major in the College of Science and Mathematics at NDSU, and a certificate suitable for framing.

Mu Alpha Theta sponsors an award for an outstanding project in the Mathematics category which will be presented to 1 winner in the Senior High Division. The award consists of a certificate suitable for framing.

Intel Excellence in Computer Science sponsors an award for an outstanding project in the Computer Science category which will be presented to 1 winner in the Senior High Division. The award consists of a cash award of $200 and a certificate suitable for framing.

United States Army sponsors an award for an outstanding project in the Computer Science category. This award is presented to 1 winner in the Senior High Division. The award consists of a certificate.

United States Army sponsors an award for an outstanding project in the Mathematics category. This award is presented to 1 winner in the Senior High Division. The award consists of a certificate.

United States Army sponsors an award for an outstanding project in the Mathematics/Computer Science category. This award is presented to 1 winner in the Senior High Division. The award consists of a certificate in a presentation folder and a $50 savings bond or a $100 savings bond and an Army Science Excellence Silver Medallion if it is the Army's top selection.

**MATHEMATICS**

UNITED STATES METRIC ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS USING THE METRIC SYSTEM FOR MEASUREMENT WHICH WILL BE PRESENTED TO 5 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE SUITABLE FOR FRAMING.

AMERICAN STATISTICAL ASSOCIATION (RED RIVER VALLEY) SPONSORS AN AWARD FOR: AN OUTSTANDING PROJECT THAT BEST USED STATISTICAL METHODS & REASONING WHICH WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $25 AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McCaul, DEAN, SPONSORS A $50 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE BEST PROJECT IN THE MATHEMATICS CATEGORY IN THE JUNIOR DIVISION.

**OPTOMETRY**

NORTH DAKOTA OPTOMETRIC ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO VISION OR EYE CARE WHICH WILL BE PRESENTED TO 2 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARDS CONSISTS OF A CASH AWARD OF $50 AND A CERTIFICATE SUITABLE OF FRAMING.

NORTH DAKOTA OPTOMETRIC ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS RELATED TO VISION OR EYE CARE WHICH WILL BE PRESENTED TO 2 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARDS CONSISTS OF A CASH AWARD OF $50 AND A CERTIFICATE SUITABLE OF FRAMING.
PHARMACOLOGY--PHARMACY--PRE-NURSING

NORTH DAKOTA PHARMACISTS ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS IN THE FIELD OF PHARMACOLOGY WHICH WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $75 AND A CERTIFICATE SUITABLE FOR FRAMING.

NORTH DAKOTA PHARMACISTS ASSOCIATION SPONSORS AN AWARD FOR OUTSTANDING PROJECTS IN THE FIELD OF PHARMACOLOGY WHICH WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $100 AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU COLLEGE OF PHARMACY, DR. CHARLES PETERSON, DEAN, SPONSORS A $100 AWARD FOR THE BEST PROJECT IN PHARMACY OR NURSING IN THE SENIOR DIVISION. IN ADDITION TO THE $100 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING, THE WINNING STUDENT WILL RECEIVE A $300 SCHOLARSHIP IF HE/SHE PURSUES A MAJOR IN THE COLLEGE OF PHARMACY (PRE-NURSING) AT NDSU.

NDSU COLLEGE OF PHARMACY, DR. CHARLES PETERSON, DEAN, SPONSORS A $50 CASH AWARD AND A CERTIFICATE FOR THE BEST PROJECT IN PHARMACY (PRE-NURSING) IN THE JUNIOR HIGH DIVISION.

PHYSICS & PHYSICAL SCIENCE

NORTH DAKOTA PHYSICS TEACHERS SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE AREA OF PHYSICS OR PHYSICAL SCIENCE WHICH WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A $50 SAVINGS BOND AND A CERTIFICATE.

NORTH DAKOTA PHYSICS TEACHERS SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE AREA OF PHYSICS OR PHYSICAL SCIENCE WHICH WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A $50 SAVINGS BOND AND A CERTIFICATE.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE PHYSICS CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE PHYSICAL SCIENCE CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE PHYSICS/PHYSICAL SCIENCE CATEGORIES. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE IN A PRESENTATION FOLDER AND A $50 SAVINGS BOND OR A $100 SAVINGS BOND AND AN ARMY SCIENCE EXCELLENCE SILVER MEDALLION IF IT IS THE ARMY’S TOP SELECTION.

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McAUL, DEAN, SPONSORS A $100 AWARD FOR THE BEST PROJECT IN PHYSICAL SCIENCES IN THE SENIOR DIVISION. IN ADDITION TO THE $100 CASH AWARD THE WINNING STUDENT WILL RECEIVE A $300 SCHOLARSHIP IF HE/SHE PURSUES A MAJOR IN THE COLLEGE OF SCIENCE AND MATHEMATICS AT NDSU, AND A CERTIFICATE SUITABLE FOR FRAMING.
PSYCHOLOGY & BEHAVIORAL SOCIAL SCIENCES

NDSU COLLEGE OF HUMAN DEVELOPMENT AND EDUCATION, DR. VIRGINIA CLARK JOHNSON, DEAN, SPONSORS A $100 AWARD FOR THE BEST PROJECT RELATED TO ANY AREA OF HUMAN DEVELOPMENT AND EDUCATION IN THE JUNIOR DIVISION, IN ADDITION TO THE $100 CASH AWARD THE WINNING STUDENT WILL RECEIVE A $300 SCHOLARSHIP IF HE/SHE PURSUES A MAJOR IN THE COLLEGE OF HUMAN DEVELOPMENT AND EDUCATION AT NDSU, AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU DEPARTMENT OF PSYCHOLOGY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN PSYCHOLOGY WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD IS IN THE FORM OF $50 CASH AND A CERTIFICATE SUITABLE FOR FRAMING.

AMERICAN PSYCHOLOGICAL ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN PSYCHOLOGY WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR OR SENIOR HIGH DIVISION. THE AWARD IS IN THE FORM OF A CERTIFICATE SUITABLE FOR FRAMING.

UNITED STATES ARMY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE BEHAVIORAL AND SOCIAL SCIENCES CATEGORY. THIS AWARD IS PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CERTIFICATE.

NDSU COLLEGE OF SCIENCE AND MATHEMATICS, DR. KEVIN McCaul, DEAN, SPONSORS A $50 CASH AWARD AND A CERTIFICATE SUITABLE FOR FRAMING FOR THE BEST PROJECT IN PHYSICAL SCIENCES IN THE JUNIOR DIVISION.

Tissue Culture (In Vitro Biology)

THE SOCIETY FOR IN VITRO BIOLOGY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO PLANT OR ANIMAL IN VITRO BIOLOGY. THE WINNING STUDENT MUST BE AN 11th GRADER. THE AWARD CONSISTS OF A CERTIFICATE SUITABLE FOR FRAMING.
UNIQUE AND TEAM PROJECTS

UNITED STATES NAVY SPONSORS AN AWARD FOR:
OUTSTANDING PROJECTS, ALL CATEGORIES CONSIDERED, WILL BE PRESENTED TO 3 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF AN EDUCATIONAL RECOGNITION AWARD VALUED AT OVER $75, A MEDALLION AND A CERTIFICATE SUITABLE FOR FRAMING.

UNITED STATES NAVY SPONSORS AN AWARD FOR:
OUTSTANDING PROJECTS, ALL CATEGORIES CONSIDERED, WILL BE PRESENTED TO 3 WINNERS IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A MEDALLION AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU SCHOOL OF GRADUATE & INTERDISCIPLINARY STUDIES, DR. DAVID A. WITTROCK, DEAN, SPONSORS A $50 CASH AWARD AND A CERTIFICATE, FOR THE BEST PROJECT IN A DISCIPLINE SUPPORTED BY THE GRADUATE SCHOOL IN THE SENIOR DIVISION. IN ADDITION TO THE $100 CASH AWARD AND CERTIFICATE, THE WINNING STUDENT WILL RECEIVE A $300 SCHOLARSHIP IF HE/SHE PURSUES A MAJOR IN A DISCIPLINE SUPPORTED BY THE GRADUATE SCHOOL AT NDSU.

NDSU SCHOOL OF GRADUATE & INTERDISCIPLINARY STUDIES, DR. DAVID A. WITTROCK, DEAN, SPONSORS A $50 CASH AWARD AND A CERTIFICATE, FOR THE BEST PROJECT IN A DISCIPLINE SUPPORTED BY THE GRADUATE SCHOOL IN THE JUNIOR DIVISION.

NDSU DIVISION OF UNIVERSITY STUDIES, CAROLYN SCHNELL, DIRECTOR, SPONSORS AN AWARD FOR THE BEST PROJECT RELATED TO STUDENT ACADEMIC SUCCESS WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A $25 NDSU VARSITY MART GIFT CERTIFICATE, AND A CERTIFICATE SUITABLE FOR FRAMING.

NDSU DIVISION OF UNIVERSITY STUDIES, CAROLYN SCHNELL, DIRECTOR, SPONSORS AN AWARD FOR THE BEST PROJECT RELATED TO STUDENT ACADEMIC SUCCESS WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A $25 NDSU VARSITY MART GIFT CERTIFICATE, AND A CERTIFICATE SUITABLE FOR FRAMING.

UNIQUE AND TEAM PROJECT

NDSU OFFICE OF ADMISSION:
NDSU DIVISION OF STUDENT AFFAIRS SPONSORS AN AWARD FOR:
The BEST OVERALL PROJECT IN THE SENIOR DIVISION.
The AWARD CONSISTS OF AN $8000 COLLEGE SCHOLARSHIP ($2000 PER YEAR) TO NORTH DAKOTA STATE UNIVERSITY.
(THE WINNER OF THIS AWARD IS NOT ELIGIBLE FOR THE NDSU PRESIDENTIAL PROGRAM SCHOLARSHIPS)

NDSU OFFICE OF ADMISSION:
NDSU DIVISION OF STUDENT AFFAIRS SPONSORS AN AWARD FOR:
The SECOND BEST OVERALL PROJECT IN THE SENIOR DIVISION.
The AWARD CONSISTS OF AN $6000 COLLEGE SCHOLARSHIP ($1500 PER YEAR) TO NORTH DAKOTA STATE UNIVERSITY.
(THE WINNER OF THIS AWARD IS NOT ELIGIBLE FOR THE NDSU PRESIDENTIAL PROGRAM SCHOLARSHIPS)

NORTH DAKOTA ACADEMY OF SCIENCE SPONSORS AN AWARD FOR: THE BEST OVERALL PROJECT IN THE JUNIOR DIVISION. THE AWARD CONSISTS OF A $25 CASH AWARD
NORTH DAKOTA ACADEMY OF SCIENCE SPONSORS AN AWARD FOR: THE SECOND BEST OVERALL PROJECT IN THE JUNIOR DIVISION. THE AWARD CONSISTS OF A $25 CASH AWARD

UNIVERSITY OF MARY, AMERICA’S LEADERSHIP UNIVERSITY OFFICE OF ADMISSION SPONSORS 14 AWARDS FOR THE BEST AND THE SECOND BEST PROJECTS IN EACH OF THE SEVEN SENIOR DIVISION REGIONS. EACH AWARD CONSISTS OF A $16,000 COLLEGE SCHOLARSHIP ($4000 PER YEAR) TO THE UNIVERSITY OF MARY.
   1. THE SCHOLARSHIPS MUST BE USED FOUR CONSECUTIVE YEARS BY AN UNDERGRADUATE STUDENT.
   2. THE SCHOLARSHIP CAN NOT BE COMBINED WITH OTHER UNIVERSITY OF MARY FINANCIAL ASSISTANCE OR SCHOLARSHIPS.
   3. $4,000 WILL BE APPLIED TO THE TUITION EACH SCHOOL YEAR FOR FOUR YEARS

NORTH DAKOTA STATE SCIENCE FAIR ASSOCIATION SPONSORS AN AWARD FOR: THE BEST OVERALL PROJECT IN THE JUNIOR DIVISION. THE AWARD CONSISTS OF A $100 CASH AWARD

NORTH DAKOTA STATE SCIENCE FAIR ASSOCIATION SPONSORS AN AWARD FOR: THE SECOND BEST OVERALL PROJECT IN THE JUNIOR DIVISION. THE AWARD CONSISTS OF A $50 CASH AWARD

VETERINARY MEDICINE

NORTH DAKOTA VETERINARY MEDICAL ASSOCIATION AUXILIARY SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO VETERINARY MEDICINE WHICH WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $50, A PIN AND A CERTIFICATE SUITABLE FOR FRAMING FOR FIRST PLACE IN THE CATEGORY.

NORTH DAKOTA VETERINARY MEDICAL ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO VETERINARY MEDICINE WILL BE PRESENTED TO 2 WINNERS IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $100, AND A CERTIFICATE SUITABLE FOR FRAMING FOR FIRST PLACE, AND A CASH AWARD OF $75 AND A CERTIFICATE SUITABLE FOR FRAMING FOR SECOND PLACE.

WATER

AMERICAN WATER WORKS ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO DRINKING WATER QUALITY WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $50 AND A PLAQUE.

AMERICAN WATER WORKS ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO DRINKING WATER QUALITY WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $50 AND A PLAQUE.
NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO WATER QUALITY WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $75 AND A PLAQUE.

NORTH DAKOTA WATER ENVIRONMENT ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO WATER QUALITY WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $75 AND A PLAQUE.

NORTH DAKOTA RURAL WATER SYSTEMS ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO WATER QUALITY WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION OR THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A CASH AWARD OF $100 AND A PLAQUE.

WATER ENVIRONMENT FEDERATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO WATER QUALITY AND/OR CONDITIONS WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS A CERTIFICATE SUITABLE FOR FRAMING.

“PROTECT YOUR WATERSHED” (PROJECT WET) SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO WATER EDUCATION OR WATER QUALITY WILL BE PRESENTED TO 1 WINNER IN THE JUNIOR HIGH DIVISION. THE AWARD CONSISTS OF A VARIETY OF WATER QUALITY KITS AND MANUALS AND A CERTIFICATE.

“PROTECT YOUR WATERSHED” (PROJECT WET) SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT RELATED TO WATER EDUCATION OR WATER QUALITY WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION. THE AWARD CONSISTS OF A VARIETY OF WATER QUALITY KITS AND MANUALS AND A CERTIFICATE.

YALE SCIENCE & ENGINEERING ASSOCIATION
SENIOR HIGH DIVISION (ONLY 11TH GRADERS ARE ELIGIBLE)

YALE SCIENCE AND ENGINEERING ASSOCIATION SPONSORS AN AWARD FOR AN OUTSTANDING PROJECT IN THE COMBINED COMPUTER SCIENCE, ENGINEERING, PHYSICS AND CHEMISTRY CATEGORY WHICH WILL BE PRESENTED TO 1 WINNER IN THE SENIOR HIGH DIVISION, WHICH MUST BE AN 11TH GRADER. THE AWARD CONSISTS OF A MEDALLION AND A CERTIFICATE SUITABLE FOR FRAMING.
NORTH DAKOTA STATE UNIVERSITY – COLLEGE AWARDS
2008 STATE SCIENCE & ENGINEERING FAIR

College of Agriculture, Food Systems, & Natural Resources: Dr. Kenneth Grafton, Dean
• $100 Award for the best project in agriculture, Senior Division.
• $300 Scholarship to the top student if they pursue a major in the College of Agriculture, Food Systems & Natural Resources at NDSU and a certificate suitable for framing.
• $50 Award and a certificate for the best project in agriculture, Junior Division.

College of Arts, Humanities & Social Sciences: Dr. Thomas Riley, Dean
• $250 Scholarship to the top student from the Senior Division if they pursue a major in the College of Arts, Humanities and Social Sciences at NDSU, and a certificate suitable for framing.
• $100 Award to a student in the Senior Division, and a
• $50 Award and a certificate to a student in the Junior Division for projects judged best in the social sciences or best meld in an aspect of the humanities or fine arts with the physical, life, or social sciences.

College of Business: Dr. Ron Johnson, Dean
• $100 Award for the best business-related project and a certificate suitable for framing.
• $300 Scholarship to the student if they pursue a major in the College of Business at NDSU

College of Engineering & Architecture: Dr. Gary Smith, Dean
• $200 Award and a certificate for Senior Division first place project in engineering
• $500 Scholarship to the top student if they pursue a major in the College of Engineering & Architecture at NDSU.
• $100 Award and a certificate for Senior Division second place project in engineering
• $100 Award and a certificate for Junior Division first place project in engineering

Graduate & Interdisciplinary Studies: Dr. David Wittrock, Dean
• $100 Award for best project in a discipline supported by the Graduate School, Senior Division
• $300 Scholarship to the top student if they pursue a major in a discipline supported by the Graduate School at NDSU
• $50 Award for the best project in a discipline supported by the Graduate School, Junior Division.
College of Human Development & Education: Dr. Virginia Clark Johnson, Dean
• $100 Award and a certificate for the best project related to any area of human development and education, Senior Division
• $300 Scholarship to the top student if they pursue a major in the College of Human Development & Education at NDSU
• $100 Award and a certificate for the best project related to any area of human development and education, Junior Division

College of Pharmacy, Nursing, & Allied Sciences: Dr. Charles Peterson, Dean
• $100 Award and a certificate for the best project in pharmacy, Senior Division
• $300 Scholarship to the top student if they study pre-pharmacy or nursing at NDSU
• $50 Award and a certificate for the best project in pharmacy, Junior Division.

College of Science & Mathematics: Dr. Kevin McCaul, Dean
• $300 Scholarship to each of the five category winners in the Senior Division, if that student pursues a major in the College of Science & Mathematics at NDSU
• $100 Award and certificate best project in Behavioral Sciences, Senior Division
• $100 Award and a certificate for the best project in biological sciences, Senior Division
• $100 Award and a certificate for the best project in chemistry, Senior Division
• $100 Award and a certificate for the best project in mathematical sciences, Senior Division
• $100 Award and a certificate for the best project in physics, Senior Division
• $50 Award and a certificate for the best project in behavioral sciences, Junior Division
• $50 Award and a certificate for the best project in biological sciences, Junior Division
• $50 Award and a certificate for the best project in chemistry, Junior Division
• $50 Award and a certificate for the best project in mathematical sciences, Junior Division
• $50 Award and a certificate for the best project in physics, Junior Division

University Studies: Carolyn Schnell, Director
• $25 NDSU Bookstore gift certificate and a certificate for the best senior project related to student academic success
• $25 NDSU Bookstore gift certificate and a certificate for the best junior project related to student academic success
NDSU MEMORIAL UNION: 2008 ND SSEF

MAIN LEVEL

Jr. Division Judging

Awards Room

Sr. Division Judging

State Fair

2nd FLOOR
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