

23rd ANNUAL ROTARY SCIENCE FAIR AWARDS - 2010

TOP AWARDS ("BEST OF FAIR")

1. Rotary SSM Award of Excellence: First Entry to Canada-Wide Science Fair

First Place - Best of Fair:

"Increasing the Energy Output during the Combustion of Ethanol by Varying the Addition of Hydrogen Peroxide" by Karl Zimmermann (Korah Collegiate)

2. Ontario Ministry of Research & Innovation – Stepping Stone Award:

Second Entry to Canada-Wide Science Fair

Second Place - Best of Fair:

"Colour and Memory" by Katrina Brain (Grand View)

3. Benjamin Cohen Family Memorial Trophy: \$100 Cash Award

Third Place - Best of Fair:

"Houses For Haiti" by Josh Grawbarger & Mika Pulkkinen (Northern Heights)

First-place, second-place, and third-place winners in Best of Fair will all travel to the Canada-wide national competition being held May 15 - 23 this year in Peterborough, Ontario. The two honourable mentions are alternates in case Best of Fair winners cannot attend the national competition.

Honourable mention of other projects considered for Best of Fair:

4. "Vegetable Oils as Biodiesel" by Gabriel Wetzel (Korah Collegiate)

5. "Stick with it!" by Jordan Allick (Grand View)

Alfred R. Askin Shields (best school for participation and excellence in each division)

1. Senior school (grades 11-12): Korah Collegiate
2. Intermediate school (grades 9-10): Korah Collegiate
3. Junior school (grades 7-8): Grand View

DIVISIONAL AND SPECIAL AWARDS

Don Wallace Memorial Awards

1. Best in Creativity and Innovation (\$50 cash):
"Stick with it!" by Jordan Allick (Grand View)
2. Best in Life Sciences (\$75 cash):
"Colour and Memory" by Katrina Brain (Grand View)
3. Best in Physical Sciences & Mathematics (\$75 cash):
"Stick with it!" by Jordan Allick (Grand View)

Attilio Berdusco Memorial Award: Best in Health Sciences (\$75 cash):

"Toothpaste: Namebrand or Unknown" by James Hayden & Robert Greifenhagen (Rosedale)

CFS - Great Lakes Forestry Centre Award: Deserving of Recognition (\$75 cash):

"Does Axe Attract Females?" by William Sigouin (Rosedale)

Gary Rahn Memorial Awards: Two Best Natural History Exhibits (\$50 cash each):

1. "New Found Fuels" by Kirstin Armstrong, Hannah Egerland, Candice Halfpenny (Anna McCrea)
2. "Mummifying a Fish" by Storm Perry (Bawating Intermediate & Elementary)

Ontario Association of Medical Laboratories Awards: Top Lab Sciences Project (\$100 cash):

"Water and Fat % in Frozen Hamburgers" by Nicole Duchesne (Anna McCrea)

VIA Rail Canada EnviroExpo Special Award (\$100 cash):

"Increasing the Energy Output during the Combustion of Ethanol by Varying the Addition of Hydrogen Peroxide" by Karl Zimmermann (Korah Collegiate)

Hydro One Energy Ambassador Award (\$100 cash):

"Deadly Silence: What You Can't Hear Can Kill You!" by Austin Kirkwood & Matias Franco (Grand View)

Ontario Power Generation Award: Best in Earth and Environmental Sciences (\$75 cash):

"La pluie rouge" by Madison MacLachlan & Christine St. Jules (Ecole Notre-Dame)

Essar Steel Award: Best in Engineering and Computing Sciences (\$75 cash):

"What's the buzz about?" by Rieley O'Leary & Aimée Carter (Rosedale)

University of Ontario Institute of Technology Awards:

1. Most Innovative Development, Adaptation, or Use of Technology in Any Subject Area - Junior (\$100 cash):
"Ice Rescue" by Nasa Nguyen & John Baxter (Northern Heights)
2. Most Innovative Development, Adaptation, or Use of Technology in Any Subject Area - Senior (\$100 cash):
"Vegetable Oils as Biodiesel" by Gabriel Wetzel (Korah Collegiate)

Algoma Chapter of Professional Engineers Ontario Awards:

1. Best Engineering Science Project (\$100 cash):
"Houses For Haiti" by Josh Grawbarger & Mika Pulkkinen (Northern Heights)
2. Best Project Improving Everyday Life or Potential for Improving Humanity (\$50 cash):
"Dry Hand Dilemma – Which Hand Lotion Retains the Most Moisture?" by Laura Palmer (Rosedale)
3. Best Mathematical or Computer Science Project Related to Problem-Solving (\$50 cash):
"Efficiency of Motors" by Piyush Shukla (Korah Collegiate)

MDS Laboratory Services Award: Best Project in Category of Human Health (\$100 cash) – Tied:

1. "How Several forms of Orange Products Differ in their Vitamin C Concentration" by Kassandra Yun (Korah Collegiate)
2. "How Level of Physical Fitness Affects Heart Rate Recovery Time" by Maija Irvine (Korah Collegiate)

Professional Institute of Public Servants Award: Best in Biotechnology (\$75 cash):

"Microwave: Beneficial?" by Julean Albidone & Peter Nearing (Korah Collegiate)

Ontario Ministry of the Environment Award (\$100 cash):

"Le Carbone / Les Autos du futurs" by Jaren D'Arcy & Audrey Steele (Ecole Notre-Dame)

University of Ottawa Scholarship: Best Senior Project (\$1000 Scholarship):

"Vegetable Oils as Biodiesel" by Gabriel Wetzel (Korah Collegiate)

Algoma University Scholarships: Names drawn at random from Senior participants (\$500 each):

1. "How Several forms of Orange Products Differ in their Vitamin C Concentration" by Kassandra Yun (Korah Collegiate)
2. "Vegetable Oils as Biodiesel" by Gabriel Wetzel (Korah Collegiate)

Sault College Best Green-Thinking Award: One Week at Sault College/YMCA Summer Camp for Two Junior Students:

"Le Carbone / Les Autos du futurs" by Jaren D'Arcy & Audrey Steele (Ecole Notre-Dame)

AWARDS WITHIN CATEGORIES...

BIOTECHNOLOGY

Biotechnology - Senior

1st - "Microwave: Beneficial?" by Julean Albidone & Peter Nearing (Korah Collegiate)

2nd - "The Effect of Acidity on the Breakdown of Painkillers" by Stephanie Johnson (Korah Collegiate)

Biotechnology - Junior

(There were no junior entries this year)

HEALTH SCIENCES

Best of Category - Overall

"Toothpaste: Namebrand or Unknown" by James Hayden & Robert Greifenhagen (Rosedale)

Health Sciences - Senior

1st - "How Several forms of Orange Products Differ in their Vitamin C Concentration" by Cassandra Yun (Korah Collegiate)

2nd - "How Level of Physical Fitness Affects Heart Rate Recovery Time" by Maija Irvine (Korah Collegiate)

3rd - "Moisture Content & Storage of Bread" by Nicole Maione (Korah Collegiate)

Health Sciences - Junior

1st - "Toothpaste: Namebrand or Unknown" by James Hayden & Robert Greifenhagen (Rosedale)

2nd - "Motivation" by Evan Bodnar & Paul Widgett (Rosedale)

3rd - "Video Games = Medicine?" by Max Warren (Rosedale)

EARTH AND ENVIRONMENTAL SCIENCES

Best of Category - Overall

"La pluie rouge" by Madison MacLachlan & Christine St. Jules (Ecole Notre-Dame)

Earth and Environmental Sciences - Senior

1st - "How Different Temperatures Affect Water Bottles" by Jessica Wilson (Korah Collegiate)

2nd - "Volcanoes" by Connor Maloney (Korah Collegiate)

Earth and Environmental Sciences - Junior

1st - "La pluie rouge" by Madison MacLachlan & Christine St. Jules (Ecole Notre-Dame)

2nd - "New Found Fuels" by Kirstin Armstrong, Hannah Egerland, Candice Halfpenny (Anna McCrea)

3rd - "How Dirty Is Money?" by Brennen Basawa, Jacob Calvert (Northern Heights)

ENGINEERING

Engineering - Senior

(There were no senior entries this year)

Engineering - Junior

1st - "Houses For Haiti" by Josh Grawbarger & Mika Pulkkinen (Northern Heights)

2nd - "Ice Rescue" by Nasa Nguyen & John Baxter (Northern Heights)

3rd - "Deadly Silence: What You Can't Hear Can Kill You!" by Austin Kirkwood & Matias Franco (Grand View)

LIFE SCIENCES

Best of Category - Overall

"Colour and Memory" by Katrina Brain (Grand View)

Life Sciences - Senior

1st - "The effect of hydrogen peroxide oxidation on human hair" by Elyse McCarthy (Korah Collegiate)

2nd - "The effect of pH on Chlorophyll content of a food" by Shuddharup Majumdar (Korah Collegiate)

3rd - "How Temperature Affects the Degradation of Vitamin C in Oranges" by Kristine Caldbick & Alena Atkinson (Korah Collegiate)

Life Sciences - Junior

1st - "Colour and Memory" by Katrina Brain (Grand View)

2nd - "Cookie Crumbs" by Danielle McKenney & Nicole St. Onge (Anna McCrea)

3rd - "Dry Hand Dilemma – Which Hand Lotion Retains the Most Moisture?" by Laura Palmer (Rosedale)

PHYSICAL AND MATHEMATICAL SCIENCES

Best of Category - Overall

"Stick with it!" by Jordan Allick (Grand View)

Physical & Mathematical Sciences - Senior

1st - "Efficiency of Motors" by Piyush Shukla (Korah Collegiate)

2nd - "How do you like your tea?" by Yi Quan (Korah Collegiate)

3rd - "The Effect of Storage Factors on Vitamin C Content of Fruits" by Michelle Millar & Olivia Christie (Korah Collegiate)

Physical & Mathematical Sciences - Junior

1st - "Stick with it!" by Jordan Allick (Grand View)

2nd - "Coolin' Crush" by Beau Bouliane & John Hackett (Anna McCrea)

3rd - "What a Bright Idea!" by Kristen Wise (Bawating Intermediate & Elementary)

COMPUTING AND INFORMATION TECHNOLOGY

Computing & Information Technology - Senior
(There were no senior entries this year)

Computing & Information Technology - Junior
1st - "What's the buzz about?" by Rieley O'Leary & Aimée Carter (Rosedale)

ENVIRONMENTAL INNOVATION

Best of Category - Overall
"Increasing the Energy Output during the Combustion of Ethanol by Varying the Addition of Hydrogen Peroxide" by Karl Zimmermann (Korah Collegiate)

Environmental Innovation - Senior
(There were no senior entries this year)

Environmental Innovation - Intermediate
1st - "Increasing the Energy Output during the Combustion of Ethanol by Varying the Addition of Hydrogen Peroxide" by Karl Zimmermann (Korah Collegiate)

Environmental Innovation - Junior
1st - "Le Carbomètre / Les Autos du futurs" by Jaren D'Arcy & Audrey Steele (Ecole Notre-Dame)

2nd - "Le tamis 3000" by Morgann Liberty & Bradley Caruso (Ecole Notre-Dame)

3rd - "Air Pollution" by Justin Whent (Eastview)

AUTOMOTIVE

Automotive - Senior
1st - "Vegetable Oils as Biodiesel" by Gabriel Wetzel (Korah Collegiate)

2nd - "The Big Freeze" by Cameron Prouse (Korah Collegiate)

Automotive - Junior
(There were no junior entries this year)

2010 Rotary Science Fair Statistics

76 Projects Total: 54 Junior (Grades 7-8), 1 Intermediate (Grades 9-10), 21 Senior (Grades 11-12)

117 Students Total: 92 Junior, 1 Intermediate, 24 Senior

34 Judges (local scientists and technical professionals)

(Five of the Junior projects were in French)

Krista Dubie,
SSM Rotary Chairperson