

20th ANNUAL ROTARY SCIENCE FAIR AWARDS - 2007

TOP AWARDS ("BEST OF FAIR")

1. Pfizer Canada Award of Excellence: First Entry to Canada-wide fair.

First Place - Best of Fair:

"The Myth of Multi-Tasking" by Rachel Brain and Megan Woolner (Grand View)

2. Sci-Tech Ontario Stepping Stone Award: Second Entry to Canada-wide fair.

Second Place - Best of Fair:

"Effects of pH on Plastics" by Matt Laporte (Korah Collegiate)

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

Third Place - Best of Fair:

"Twitch A Line Following Robot" by Jesse Guzzo (East View)

Note: First-place and second-place winners in Best of Fair will travel to the Canada-wide national competition being held this year in Truro, Nova Scotia. (Third-place winner is the alternate.)

Other projects considered for Best of Fair:

"Bouncing Air Pressure" by Emily Vaillancourt and Nikki Jones (Parkland)

"The Masculization of the Modern Woman" by Michela Febbraro and Britta Allen (Korah Collegiate)

Alfred Askin Shields (school with most winners in each grade category)

1. Senior school (grades 11-12): Korah Collegiate
2. Intermediate school (grades 9-10): Not Awarded (no entries)
3. Junior school (grades 7-8): Grand View Public School

SPECIAL AWARDS

Don Wallace Memorial Awards

1. Best in Creativity and Innovation (\$50 cash):

"Electric Motors - How They Work" by Neil Hall (Grand View)

2. Best in Life Sciences (\$75 cash):

"The Myth of Multi-Tasking" by Rachel Brain and Megan Woolner (Grand View)

3. Best in Physical Sciences (\$75 cash):

"Bouncing Air Pressure" by Emily Vaillancourt and Nikki Jones (Parkland)

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

"The Masculization of the Modern Woman" by Michela Febbraro and Britta Allen (Korah Collegiate)

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

"The effect of clearcut, shelterwood cut, and selective cut forestry practices on the carbon dioxide efflux of tree harvests as simulated by homestead peas" by Kyle Cormier (Korah Collegiate)

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

(Prizes not awarded this year)

Ontario Association of Medical Laboratories Awards:

1. Top Laboratory Sciences Project - Junior (\$100 cash):

"Rust Busters" by Cameron Aitken (Parkland)

2. Top Laboratory Sciences Project - Senior (\$100 cash):

"Pharmaceutical Coatings vs. Gastrointestinal Decomposition" by John Gencarelli and Jeff McAllister (Korah Collegiate)

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

(Prize not awarded this year)

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

"Effects of pH on Plastics" by Matt Laporte (Korah Collegiate)

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

"Twitch A Line Following Robot" by Jesse Guzzo (East View)

University of Ontario Institute of Technology Awards:

1. Most Innovative Development, Adaptation, or Use of Technology in Any Subject Area - Junior (\$100 cash):

"Twitch A Line Following Robot" by Jesse Guzzo (East View)

2. Most Innovative Development, Adaptation, or Use of Technology in Any Subject Area - Senior (\$100 cash):

(Prize not awarded this year)

MDS Laboratory Services Award: Best Project in Category of Human Health (\$71 cash):

"Human Cloning" by Brett Chandler and Riley Bradford (St. Pius X)

(Odd prize value of SEVENTY-ONE dollars is correct)

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

"The Effect of Heat and pH on Green Beans" by Jiani Ma and Caroline Demary-Elliott (Korah Collegiate)

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

"Brighten Your Grey" by Alexei Berg (St. Mary's French Immersion)

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

"Effects of pH on Plastics" by Matt Laporte (Korah Collegiate)

(This is Matt's second \$1000 Scholarship award!)

AWARDS WITHIN CATEGORIES...

BIOTECHNOLOGY

Best of Category - Overall

"The Effect of Heat and pH on Green Beans" by Jiani Ma and Caroline Demary-Elliott (Korah Collegiate)

Biotechnology - Senior

1st - "The Effect of Heat and pH on Green Beans" by Jiani Ma and Caroline Demary-Elliott (Korah Collegiate)

(2nd & 3rd prizes not awarded this year)

Biotechnology - Junior

1st - "Eye See... Colour" by Carmen Bruni and Liza Ritchie (Grand View)

2nd - "Food Acidity & Safe Preserving" by Hannah Shuttleworth (Parkland)

3rd - "Catch That Thief" by Emily McClelland and Gabi Sarlo (Grand View)

HEALTH SCIENCES

Best of Category - Overall

"The Masculization of the Modern Woman" by Michela Febbraro and Britta Allen (Korah Collegiate)

Health Sciences - Senior

1st - "The Masculization of the Modern Woman" by Michela Febbraro and Britta Allen (Korah Collegiate)

2nd - "Double Double: Caffeine Trouble?" by Lee Skinner (Korah Collegiate)

3rd - "Chocolate and Our Addiction" by Geoff Risi (Korah Collegiate)

Health Sciences - Junior

1st - "Heart Rate Recovery Times" by Rachel MacLennan and Kahli Foley (Prince Charles)

2nd - "Which Products Improve the Whitening of Your Enamel?" by Anna Lees and Genna Patterson (Rosedale)

3rd - "Soap and Scum - Which Anti-Bacterial Soap Kills the Most Bacteria?" by Maemae Fam-Ducharme (Northern Heights)

EARTH AND ENVIRONMENTAL SCIENCES

Best of Category - Overall

"Effects of pH on Plastics" by Matt Laporte (Korah Collegiate)

Earth and Environmental Sciences - Senior

1st - "Effects of pH on Plastics" by Matt Laporte (Korah Collegiate)

2nd - "The Effects of Sodium Bicarbonate on Chalk that is Exposed to Acidic Conditions" by Amanda Spadafora (Korah Collegiate)

3rd - "Effect of Oil on Turbidity and Clarity of Water" by Sheena Horsman and Jennifer McKee (Korah Collegiate)

Earth and Environmental Sciences - Junior

1st - "Brighten Your Grey" by Alexei Berg (St. Mary's French Immersion)

2nd - "Natural Help" by Kyle Stoneman (Parkland)

3rd - "How Safe is Your Home?" by Veronica Miller (Manitou Park)

ENGINEERING AND COMPUTING SCIENCES

Best of Category

1st - "Twitch A Line Following Robot" by Jesse Guzzo (East View)

2nd - "Electric Motors - How They Work" by Neil Hall (Grand View)

3rd - "Which Bridge Is Stronger?" by Dalton Swire (Bawating Intermediate Elementary)

LIFE SCIENCES

Best of Category - Overall

"The Myth of Multi-Tasking" by Rachel Brain and Megan Woolner (Grand View)

Life Sciences - Senior

1st - "Pharmaceutical Coatings vs. Gastrointestinal Decomposition" by John Gencarelli and Jeff McAllister (Korah Collegiate)

2nd - "Pond Water: A Nitrate and Temperature Study" by Michaela Kuuskman and Nick Valela (Korah Collegiate)

3rd - "Clockwork Orange" by Sarah Fortais and Sarah Godfrey (Korah Collegiate)

Life Sciences - Junior

1st - "The Myth of Multi-Tasking" by Rachel Brain and Megan Woolner (Grand View)

2nd - "Left Brain, Right Brain" by Nadia Lewis and Lynnea Lobert (Rosedale)

3rd - "Music to My Heart" by Connor Flood and Ryan LaRue (Anna McCrea)

PHYSICAL AND MATHEMATICAL SCIENCES

Best of Category

1st - "Bouncing Air Pressure" by Emily Vaillancourt and Nikki Jones (Parkland)

2nd - "Rust Busters" by Cameron Aitken (Parkland)

3rd - "Acid Rain - What Paint Protects Better?" by Josh Laplante and Matt Maida (Prince Charles)

2007 Rotary Science Fair Statistics:

117 Projects Total: 76 Junior (Grades 7-8); 41 Senior (Grades 11-12); No Intermediate (Grades 9-10)

173 Students

32 Judges (local scientists and technical professionals)

Hilda Odom,
Chairperson
2007 Rotary Regional Science Fair

An interesting story line to follow up...

(Students themselves have proved that cell phone use can be dangerous while driving!)

The Best of Show project studied the effects of multi-tasking on attention: As more distractions were added, the ability to concentrate on tasks got worse. Cell phone usage was one of the distractions tested. Based on observations taken in their little testing lab, the students were able to conclude that **cell phone use easily causes loss of concentration while driving.**

First Place - Best of Fair: "The Myth of Multi-Tasking" by Rachel Brain and Megan Woolner (Grand View)