22nd ANNUAL ROTARY SCIENCE FAIR AWARDS - 2009

TOP AWARDS ("BEST OF FAIR")

1. Rotary SSM Award of Excellence: First Entry to Canada-Wide Science Fair
First Place - Best of Fair:
"Dogs vs. Humans - Whose Mouth is Cleaner?" by Marissa Lobert & Amelia Marrato (Rosedale)

2. Ontario Ministry of Research & Innovation – Stepping Stone Award:
Second Entry to Canada-Wide Science Fair
Second Place - Best of Fair:
"Skating on Thin Ice" by Jordan Allick & Austin Kirkwood (Grand View)

3. Benjamin Cohen Family Memorial Trophy: $100 Cash Award
Third Place - Best of Fair:
"Converting Light to Sound - Increasing the Range" by Johnathan Townsend (Anna McCrea)

First-place and second-place winners in Best of Fair travel to the Canada-wide national competition
being held May 9 - 17 this year in Winnipeg. The third-place winner and 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. "How does herbicide application affect long-term forest stand development?" by Allister Smith (Korah Collegiate)
5. "How pH Affects Browning in the Maillard Reaction" by Meghan Garside (Korah Collegiate)

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): Not Awarded This Year (No Entries)

3. Junior school (grades 7-8): Rosedale

DIVISIONAL AND SPECIAL AWARDS

Don Wallace Memorial Awards

1. Best in Creativity and Innovation ($50 cash):
"Illusion Confusion" by John Petingalo (East View)

2. Best in Life Sciences ($75 cash):
"You know how to whistle, don't you, Steve?" by Maggie Andersen & Laura Glover (Rosedale)

3. Best in Physical Sciences & Mathematics ($75 cash):
"How pH Affects Browning in the Maillard Reaction" by Meghan Garside (Korah Collegiate)

Attilio Berdusco Memorial Award: Best in Health Sciences ($75 cash):
"Dogs vs. Humans - Whose Mouth is Cleaner?" by Marissa Lobert & Amelia Marrato (Rosedale)

CFS - Great Lakes Forestry Centre Award: Deserving of Recognition ($75 cash):
"So, you think your bathroom's clean?" by Amanda Giunti (Korah Collegiate)

Gary Rahn Memorial Awards: Two Best Natural History Exhibits ($50 cash each):
1. "How does herbicide application affect long-term forest stand development?" by Allister Smith (Korah Collegiate)
2. "Magnetism & Seeds" by Emily McClinchey (Rosedale)

Ontario Association of Medical Laboratories Awards: Top Lab Sciences Project:
"How pH Affects Browning in the Maillard Reaction" by Meghan Garside (Korah Collegiate)

VIA Rail Canada EnviroExpo Special Award ($100 cash):
"Skating on Thin Ice" by Jordan Allick & Austin Kirkwood (Grand View)

Hydro One Energy Ambassador Award ($100 cash):
"DRAINING POWER: Waste Water Cell Phone Charger !!" by Jordan Dubie & Shanelle Mathieu (Ecole Notre-Dame-des-Ecoles)

Ontario Power Generation Award: Best in Earth and Environmental Sciences ($75 cash):
"How does herbicide application affect long-term forest stand development?" by Allister Smith (Korah Collegiate)

Essar Steel Award: Best in Engineering and Computing Sciences ($75 cash):
"Converting Light to Sound - Increasing the Range" by Johnathan Townsend (Anna McCrea)

University of Ontario Institute of Technology Awards:

1. Most Innovative Development, Adaptation, or Use of Technology in Any Subject Area - Junior ($100 cash):
"What's Your Favourite Colour? Cabbage Juice as a pH Indicator" by Emily Aleksa (Grand View)

2. Most Innovative Development, Adaptation, or Use of Technology in Any Subject Area - Senior ($100 cash):
"What's Up With… 7-UP?" by Brianne Madonna (Korah Collegiate)

Algoma Chapter of Professional Engineers Ontario Awards:

1. Best Engineering Science Project ($100 cash):
"Solar Oven" by Monica Bruni & Sarah Hammond (St Paul School)

2. Best Project Improving Everyday Life or Potential for Improving Humanity ($50 cash):
"Oil Spill Clean-Up" by Austin DeLuca & Brendan Wilson (Rosedale)

3. Best Mathematical or Computer Science Project Related to Problem-Solving ($50 cash):
"You know how to whistle, don't you, Steve?" by Maggie Andersen & Laura Glover (Rosedale)

MDS Laboratory Services Award: Best Project in Category of Human Health ($70 cash):
"In The Back Of Your Mind: A Study in Subliminal Advertising" by Katrina Brain (Grand View)

Professional Institute of Public Servants Award: Best in Biotechnology ($75 cash):
"The effects of energy drinks on the body" by Mika Pulkkinen & Josh Grawbarger (Northern Heights)

Ontario Ministry of the Environment Award ($100 cash):
"The Dark Side of Snow" by Mackenzie Caruso & Jamie DeAmorim (St Paul School)

University of Ottawa Scholarship: Best Senior Project ($1000 Scholarship):
"How does herbicide application affect long-term forest stand development?" by Allister Smith (Korah Collegiate)

AWARDS WITHIN CATEGORIES...

BIOTECHNOLOGY

Biotechnology - Senior
(There were no senior entries this year)

Biotechnology - Junior
1st - "The effects of energy drinks on the body" by Mika Pulkkinen & Josh Grawbarger (Northern Heights)

2nd - "Natural pH Indicators" by Connie Irwin (Rosedale)

3rd - "Headache?" by Alex Kaldma, Max Warren (Rosedale)

HEALTH SCIENCES

Best of Category - Overall
"Dogs vs. Humans - Whose Mouth is Cleaner?" by Marissa Lobert & Amelia Marrato (Rosedale)

Health Sciences - Senior
1st - "The Effect of Antioxidants on Cells Exposed to X-Rays" by Mike Caputo (Korah Collegiate)

2nd - "Celery Dehydration" by Jarrett Horsman (Korah Collegiate)

3rd - "What's Up With… 7-UP?" by Brianne Madonna (Korah Collegiate)

Health Sciences - Junior
1st - "Dogs vs. Humans - Whose Mouth is Cleaner?" by Marissa Lobert & Amelia Marrato (Rosedale)

2nd - "In The Back Of Your Mind: A Study in Subliminal Advertising" by Katrina Brain (Grand View)

3rd - "Beats for Better Grades" by Peri Brosemer & Sophia Stone (Rosedale)

EARTH AND ENVIRONMENTAL SCIENCES

Best of Category - Overall
"How does herbicide application affect long-term forest stand development?" by Allister Smith (Korah Collegiate)

Earth and Environmental Sciences - Senior
1st - "How does herbicide application affect long-term forest stand development?" by Allister Smith (Korah Collegiate)

2nd - "How Will Global Warming Affect Simple Organisms?" by Vivienne Steele (Korah Collegiate)

Earth and Environmental Sciences - Junior
1st - "The Dark Side of Snow" by Mackenzie Caruso & Jamie DeAmorim (St Paul School)

2nd - "Magnetism & Seeds" by Emily McClinchey (Rosedale)

3rd - "Oil Spill Clean-Up" by Austin DeLuca & Brendan Wilson (Rosedale)

ENGINEERING

Engineering - Senior
(There were no senior entries this year)

Engineering - Junior
1st - "Solar Oven" by Monica Bruni & Sarah Hammond (St Paul School)

2nd - "What Brand Of Drumsticks Are The Best?" by Dylan Dovell & Stephen Edwards (Northern Heights)

LIFE SCIENCES

Best of Category - Overall
1st - "You know how to whistle, don't you, Steve?" by Maggie Andersen & Laura Glover (Rosedale)

Life Sciences - Senior
1st - "So, you think your bathroom's clean?" by Amanda Giunti (Korah Collegiate)

2nd - "How Does Temperature Affect the Release of Lycopene from Tomato Paste?" by Dwight Newton (Korah Collegiate)

3rd - "Exercise and Internal Body temperature" by Kaitlyn Lundrigan (Korah Collegiate)

Life Sciences - Junior
1st - "You know how to whistle, don't you, Steve?" by Maggie Andersen & Laura Glover (Rosedale)

2nd - "Colourize Memorize" by Noran Abou-Zaid, Jenny Piper, and Maryn Kirk (Anna McCrea)

3rd - "Do you see… What eye see?" by Alissa Patterson & Andrew Ma (Rosedale)

PHYSICAL AND MATHEMATICAL SCIENCES

Best of Category - Overall
1st - "How pH Affects Browning in the Maillard Reaction" by Meghan Garside (Korah Collegiate)

Physical & Mathematical Sciences - Senior
1st - "How pH Affects Browning in the Maillard Reaction" by Meghan Garside (Korah Collegiate)

2nd - "Milk Rancidity" by Rachel Avery & Erik Allen (Korah Collegiate)

Physical & Mathematical Sciences - Junior
1st - "Converting Light to Sound - Increasing the Range" by Johnathan Townsend (Anna McCrea)

2nd - "Illusion Confusion" by John Petingalo (East View)

3rd - "What's Your Favourite Colour? Cabbage Juice as a pH Indicator" by Emily Aleksa (Grand View)

COMPUTING AND INFORMATION TECHNOLOGY

Computing & Information Technology - Senior
1st - "A Study of the Effectiveness of Scripting Languages in the Development Process of Video Game Design" by Dominic Aquilina (Korah Collegiate)

ENVIRONMENTAL INNOVATION

Environmental Innovation - Junior
1st - "Skating on Thin Ice" by Jordan Allick & Austin Kirkwood (Grand View)

2nd - "DRAINING POWER: Waste Water Cell Phone Charger !!" by Jordan Dubie & Shanelle Mathieu (Ecole Notre-Dame-des-Ecoles)

AUTOMOTIVE

Automotive - Junior
1st - "Liquids and Metals - Which Metal Rusts the Fastest in Acid, Sugar, or Salt?" by Kassidy Hall & Krista Dovell (Northern Heights)

2009 Rotary Science Fair Statistics

72 Projects Total: 49 Junior (Grades 7-8), No Intermediate (Grades 9-10), 23 Senior (Grades 11-12)
102 Students Total: 77 Junior, 25 Senior
28 Judges (local scientists and technical professionals, and one from Sudbury)

Krista Dubie,
SSM Rotary Chairperson