

24th ANNUAL ROTARY SCIENCE FAIR AWARDS - 2011

Notes:

- *A new format was adopted this year to match the style used at the Canada-wide Science Fair. Projects are still divided into three categories – Junior (grades 7 & 8), Intermediate (grades 9 & 10), and Senior (grades 11 & 12) – but they are no longer judged in separate disciplines & subject areas like biology, engineering, etc.*
- *First-place, second-place, and third-place winners were chosen for Juniors and Seniors, and these winners then competed head-to-head for Best-of-Show.*
- *Twelve Junior entries were exhibited and presented in French this year.*

TOP AWARDS ("BEST OF FAIR")

1. Rotary Club of Sault Ste. Marie Award of Excellence:

First Entry to Canada-Wide Science Fair

First Place - Best of Fair:

"Les Yogabilités!" by Madison MacLachlan & Audrey Steele (Ecole Notre-Dame-des-Ecoles)

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

Second Entry to Canada-Wide Science Fair

Second Place - Best of Fair:

"DC Motor Powered by a DC Generator" by Nitika Shanker (Korah Collegiate)

3. Benjamin Cohen Family Memorial Trophy: \$70 Cash Award

Third Place - Best of Fair:

"The Effect of Household Stability on Highschool Student's Self Esteem" by Christina Meyers (Korah Collegiate)

First-place, second-place, and third-place winners in Best of Fair will all travel to the Canada-wide national competition being held May 14 - 21 in Toronto.

Alfred R. Askin Shields

(for best school for participation and excellence in each division)

1. Senior School (grades 11-12): Korah Collegiate
2. Intermediate School (grades 9-10): Central Algoma Secondary School
3. Junior School (grades 7-8): Anna McCrea

Awards for Best in Each Age Category

1st Place Junior

Professional Institute of Public Servants Award, \$80

"Mechanoreceptors" by Danielle McKenney (Anna McCrea)

1st Place Intermediate

Ontario Power Generation Award, \$80

"Gyroscopic Precession" by Alex MacKenzie (Central Algoma Secondary School)

1st Place Senior

Great Lakes Forestry Centre Award, \$80

"Biodiesel" by Miranda Ferris (Korah Collegiate)

2nd Place Junior

Don Wallance Memorial Award, \$60

"Les Yogabilités!" by Madison MacLachlan & Audrey Steele (Ecole Notre-Dame-des-Ecoles)

2nd Place Senior

Don Wallance Memorial Award, \$60

"DC Motor Powered by a DC Generator" by Nitika Shanker (Korah Collegiate)

3rd Place Junior

Essar Award, \$40

"Solar Solution Heat Exchange" by Kirstin Armstrong (Anna McCrea)

3rd Place Senior

Essar Award, \$40

"The Effect of Household Stability on Highschool Student's Self Esteem" by Christina Meyers (Korah Collegiate)

Special Sponsored Awards

Hydro One Energy Ambassador Award

Best Project on Distribution or Conservation of Electrical Energy, \$100

"DC Motor Powered by a DC Generator" by Nitika Shanker (Korah Collegiate)

University of Ontario Institute of Technology Awards (2)

Most Innovative Development, Adaptation, or Use of Technology in any subject area, \$100 each

1. "Open Source Software and the Effects on RAM and CPU Usage" by Eric McAlister (Korah Collegiate)
2. "Ice Rescue" by John Baxter and Nasa Nguyen (Northern Heights)

Ontario Ministry of the Environment – Environmental Innovator Award

Outstanding project in any category which demonstrates a creative approach to an Environmental Problem that could lead to Cleaner Air, Land or Water, \$100

"What is the concentration of particulate matter found in snow near industrial sites in Sault Ste. Marie and is there a health or environmental risks associated with the particulate matter?" by Jesse Merelaid (Korah Collegiate)

Ontario Association of Medical Laboratories Award

Top Laboratory Sciences Project, \$100

"Biodiesel" by Miranda Ferris (Korah Collegiate)

University of Ottawa Most Deserving Senior Project

\$1,000 Admission Scholarship Award

"Saponification" by Kate Lennox (Korah Collegiate)

Sault College Junior Project Award “Best Green Thinking”

One week sponsored at the Sault College/YMCA Summer 2011 Camp

"Solar Solution Heat Exchange" by Kirstin Armstrong (Anna McCrea)

MDS Laboratory Services Award (Lifelabs)

Best Discovery Project, \$70

"Saponification" by Kate Lennox (Korah Collegiate)

Gary Rahn Memorial Awards (2), Sault Naturalists

Best 2 Natural History Projects, \$50 each

1. "The Effect of Acid Precipitation on Both Fibrous and Tap Root Systems of Vegetable Plants" by Christopher Valela (Korah Collegiate)
2. "Les effets de la pluie acide sur les plantes" by Darren Yanni and Andrew Quon (Ecole Notre-Dame-des-Ecoles)

Superior Digital Solutions

Best Use of Applied Math, \$50

"The Effect of Hydrocarbon Chain Length on Alcohol Combustion Efficiency" by Adam Hopfgartner (Korah Collegiate)

Essar Steel Award

Best in Engineering and Computer Science, \$50

"Get a Grip on Friction" by Gavyn Mccabe (Grand View)

Attilio Berdusco Award

Best in Health Sciences, \$70

"Mechanoreceptors" by Danielle McKenney (Anna McCrea)

Algoma University Most Deserving Senior Project

\$500 Admission Scholarship Award

"Biodiesel" by Miranda Ferris (Korah Collegiate)

2011 Rotary Science Fair Statistics

93 Projects Total: 51 Junior (Grades 7-8), 3 Intermediate (Grades 9-10), 39 Senior (Grades 11-12)

124 Students Total: 83 Junior, 3 Intermediate, 43 Senior

22 Judges (local scientists and technical professionals)

(Twelve of the Junior projects were in French)

Krista Dubie,
SSM Rotary Chairperson