

SUPERIOR (GOLD) AWARDS
VERMONT STATE SCIENCE & MATH FAIR–2004

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
Dan Aaron Woodstock UHS	12	Baseball Batting Lineups
Brittany Blais South Burlington HS	10	Brain Dominance and Lateral Preferences
Jeff Coombs Mount Saint Joesph Acad	10	Testing the Design of the Pratt Truss Bridge
Michael Davidson South Burlington HS	11	Lichen and Air Pollution
Skyler Degenkolb Bellows Falls UHS	9	The Effect of Calcium and pH Variation on the Problem-Solving Ability of Physarum polycephalum
Tom Eddy Hinesburg Comm. School	7	Abstract for Operation Trebuchet
Tyler Gagliuso Hinesburg Comm. School	8	Bouncy, Bouncy, Bouncy
Allissia Gilmartin South Burlington HS	10	Antibiotic Resistance in Local Waters
Ethan Link Hinesburg Comm. School	7	Abstract for Operation Trebuchet
Katie McCreary South Burlington HS	10	Water Quality Index
Nathan Netsch Rutland High School	11	Analog vs Digital
Christopher Newhouse South Burlington HS	10	Gender Differences in Spatial Learning in Pre-Pubertal Children
Josh Parker Hinesburg Comm. School	8	Tough Stuff
Dean Priest Hinesburg Comm. School	7	Mozart in Action - The Effect of Music on Test Scores
Kristen Stevens South Burlington HS	10	Phosphorus Content in Runoff Water

EXCELLENT (SILVER) AWARDS
VERMONT STATE SCIENCE & MATH FAIR–2004

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
Kayla Angier South Burlington HS	10	Running to the Beat
Jonathan Aylward Windsor Jr-Sr High School	12	Snowboard Materials

Alex Beattie Mater Christi School	7	Aquatic Copper
John Bergeron Woodstock UHS	12	Extrasensory Perception Test
Amy Boerman Mater Christi School	8	Stubborn Stains
Ernest Bove Jr. Mount Saint Joesph Acad	10	The Concentration and Type of Ionic Compound on Its pH
Jessica Britt South Burlington HS	10	Algae Growth vs. Oxygen Levels in Water
Josh Currie Weathersfield Middle S	8	Which is Better, Steel or Copper BB's?
Rachel Dodd Hinesburg Comm. School	8	The Aesthetics of Phi
James Dowling Mater Christi School	7	The Puck Stops Here
Megan Ebare Windsor Jr-Sr High School	12	Field Hockey Stick Materials
Manny Gonzales Weathersfield Middle S	8	Which is Better, Steel or Copper BB's?
Reilly Hart Mount Saint Joesph Acad	9	Total Recall
Charles Hoffman Bellows Falls UHS	10	CO ₂ Production in Baking Powder: Does Brand Make a Difference?
Tyler Jackson South Burlington HS	10	The Affects of Carbohydrates on an Athlete
Theresa Keller Hinesburg Comm. School	7	Colors of the Memory
Allister MacMartin Northfield MSHS	11	The Effects of Various Color Stimuli on the Perception of Volume
Brittany Mack Wilmington MHS	8	Who Actually has the Best Reflexes?
Aaron Miller Hinesburg Comm. School	8	Soggy Soil
Allison Neal Northfield MSHS	11	Investigating the Effects of Airflow Restriction of a Hovercraft to Reduce Friction Under Different
Bryan O'Rouke Fair Haven UHS	10	Navicular Syndrome
Ryan Rainville Rutland High School	11	Domes: The Pros and Cons of Triangulation
Monique Rogals Fair Haven UHS	11	Crystals and Concentration
Ashley Sicard Windsor Jr-Sr High School	11	Evolutionary Relationships

Lea Sporzynski South Burlington HS	10	Bacterial Growth on Money
Brian Stevenson South Burlington HS	10	The Affects of Antimicrobial Compounds on Bacteria
Graham Tidman South Burlington HS	10	The Effects of UV-B Radiation on Plants Cells and Plants Growth
Jennifer Valach Mount Saint Joesph Acad	10	The Effect of a Sleep-Aid on Mice
James Watson Rutland High School	11	Improved Windmill with Funnel Design

**SPONSORED AWARDS
VERMONT STATE SCIENCE & MATH FAIR–2004**

Sponsors:

ACS	Green Mountain Section--American Chemical Society
ASM	Northeast Branch American Society for Microbiology
GMWEA	Green Mountain Water Environment Association
ISEF	Vermont International Science & Engineering Fair Finalist
NEAVS	New England Anti-Vivisection Society
STOCK	Stockholm Junior Water Prize awarded by Green Mountain Water Environment Association
SX	Vermont Chapter of Sigma Xi, The Scientific Research Society
TBP	Norwich University's Beta Chapter of Tau Beta Pi, The National Engineering Honor Society
VAAS	Vermont Academy of Arts and Sciences
VANR	Vermont Agency of Natural Resources--Department of Environmental Conservation
VPA	Vermont Principals' Association
VSNA	Vermont State Nurses' Association

Awards:

<u>Award/Name</u>	<u>Grade</u>	<u>Project/School</u>
VPA (\$200) Dan Aaron	12	Baseball Batting Lineups Woodstock UHS
SX (\$50) John Bergeron	12	Extrasensory Perception Test Woodstock UHS
VANR (\$100) Andrew Blaum	10	Upper Otter Creek Watershed Analysis Mount Saint Joesph Acad
GMWEA (\$50) Jessica Britt	10	Algae Growth vs. Oxygen Levels in Water South Burlington HS
10% (\$100) Caitlin Byrne	11	Carbon Dioxide Emissions and Global Warming Rutland High School
VANR (\$100) Michael Davidson	11	Lichen and Air Pollution South Burlington HS

ASM (\$100) Skyler Degenkolb	9	The Effect of Calcium and pH Variation on the Problem-Solving Ability of <i>Physarum polycephalum</i> Bellows Falls UHS
VANR (\$100) Becca Donaldson	7	To Grow or Not To Grow Hinesburg Comm. School
SX (\$50) Julia Drost	12	Heat Retention Windsor Jr-Sr High School
VAAS (\$100) Megan Ebare	12	Field Hockey Stick Materials Windsor Jr-Sr High School
TBP (\$100) Megan Ebare	12	Field Hockey Stick Materials Windsor Jr-Sr High School
ACS (\$50) Asya Elliott	8	Withering Away: A Study of Bone Decay Wilmington MHS
NEAVS (\$100) Erika Freeman	10	Ultraviolet Radiation, <i>Serratia Marcescens</i> and Sunscreens South Burlington HS
VANR (\$100) Allissia Gilmartin	10	Antibiotic Resistance in Local Waters South Burlington HS
10% (\$100) Michelle Grau	10	The Effect of Global Warming on the Biotic Earth Environment South Burlington HS
GMWEA (\$100) Katie McCreary	10	Water Quality Index South Burlington HS
ACS (\$100) Katie McCreary	10	Water Quality Index South Burlington HS
GMWEA (\$50) Aaron Miller	8	Soggy Soil Hinesburg Comm. School
VSNA (\$50) Bart Mullin	11	Support vs Depression Rutland High School
VANR (\$100) Eileen Mullaney	8	Roadside Runoff Hunt Middle School
TBP (\$150) Allison Neal	11	Investigating the Effects of Airflow Restriction of a Hovercraft to Reduce Friction Under Different Northfield MSHS
VANR (\$100) Sarah Ransom	8	Roadside Runoff Hunt Middle School
VANR (\$100) Ben Soll	7	Who Says Acid Rain Doesn't Affect Agricultural Plants? Hinesburg Comm. School
GMWEA (\$100) Kristen Stevens	10	Phosphorus Content in Runoff Water South Burlington HS
ACS (\$50) Kristen Stevens	10	Phosphorus Content in Runoff Water South Burlington HS
ASM (\$100) Brian Stevenson	10	The Affects of Antimicrobial Compounds on Bacteria South Burlington HS

**ISEF SPONSORED AWARDS
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Sponsors:

EKC	Eastman Kodak Company Best Use of Photography Award
ICS	Intel Excellence in Computer Science Award
IEHS	Intel Excellence in Environmental Health and Safety Award
ISEF	First Place Finalist will compete in the Intel International Science and Engineering Fair
NSPE	National Society for Professional Engineers Award
USA	United States Army Science, Mathematics, and Engineering Awards

Awards:

<u>Award/Name</u>	<u>Grade</u>	<u>Project/School</u>
USA (\$50 savings bond) Jung Hoon Han	10	Establishing a Table of Reduction Potentials: Micro-Voltaic Cells Mount Saint Joesph Acad
EKC (Kodak camera) Zoe Marr	12	Potential Misadventures of a Red Balloon Fair Haven UHS
USA (\$50 savings bond) Samantha Murray		Earthquakes Fair Haven UHS
USA (\$50 savings bond) Kathryn Ogorzalek	11	While You Are Sleeping Rutland High School
USA (\$50 savings bond) Ryan Rainville	11	Domes: The Pros and Cons of Triangulation Rutland High School
ISEF (trip to ISEF; Portland OR) Ryan Rainville	11	Domes: The Pros and Cons of Triangulation Rutland High School
ICS (\$200) Ashley Sicard	11	Evolutionary Relationships Windsor Jr-Sr High School
USA (\$50 savings bond) Ashley Sicard	11	Evolutionary Relationships Windsor Jr-Sr High School
IEHS (\$200) James Watson	11	Improved Windmill with Funnel Design Rutland High School