

**SUPERIOR (GOLD) AWARDS  
VERMONT STATE SCIENCE & MATH FAIR–2002**

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
Kurt Schaberg South Burlington HS	10	The Effects of Defoliation on the Photosynthesis and Productivity of a Fast Growing Crop Plant
Kelly Bowse Mount Saint Joesph Acad	10	The Effect of Color and Root Angle on Hair Strength
Callie Ewald Windsor Jr-Sr High School	10	Recovery After Exercise
Lucy McNamara South Burlington HS	10	Role of Genetic Factors in Pregnant Smokers
Caitlin Wolven Rutland High School	10	Who Has the Better Taste Buds? Smokers or Non-smokers?
Max Thayer Mill River Union HS	8	Seeking Sterile Soil
Hannah Lincoln Crossett Brook Middle Sch	7	Do Herbal Remedies Really Work? Testing the Effects of Herbal Teas on the Heart Rate of Daphia Magn
Nathaniel Jordan Windsor Jr-Sr High School	11	Combustion Rates of Clothing and Building Materials
Anthony LaPlaca Mount Saint Joesph Acad	9	Diffusion Rate of Helium, Nitrogen, Carbon Dioxide, and Other Gases
Nathan L. Moore Wilmington Middle School	8	Cool Salt
Ainsley Thurber South Burlington HS	10	Desalination of Water
Derek Siegler Woodstock High School	12	Toss Me a Cold One
Katharine Murphy Wilmington Middle School	8	Do Your Ears Hurt Yet?
Mike Gillen Fair Haven Union HS	12	The Trebuchet
Katie Gray Woodstock High School	12	

**EXCELLENT (SILVER) AWARDS  
VERMONT STATE SCIENCE & MATH FAIR–2002**

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
Elizabeth Farina South Burlington HS	10	Land Cover Change in the Missisquoi Valley
Danielle Geno Mount Saint Joesph Acad	9	To Soak or Not to Soak - The Effect of Different Temperatures on Soaked and Not Soaked Pinto Beans

Eric Howard Northfield MSHS	11	Heat Production by Quaking Aspen in Winter
Zoe Marr Fair Haven Union HS	10	Flower Longevity
Stacey Dupuis South Burlington HS	10	Improving Techniques for Identifying Micrometastases in Lymph Node Biopsy
Roshanak Mohaghegh South Burlington HS	10	Mutation of the apaH gene in oral pathogen Actinobacillus actinomycetemcomitans
Nicole Podnecky Woodstock High School	11	
Greg Soll Hinesburg Community Sch.	8	
Jane Wu South Burlington HS	10	Sonoporation of Cells
Mara M. Neary Fair Haven Union HS	12	The Effects of Acid Rain on Fly Larvae
Tyson Auld Rutland High School	10	Stain Remover
Laura Kelly Mount Saint Joseph Acad	11	Bleach versus Detergents
Jess Lewis Fair Haven Union HS	11	Bacteria's Influence on Iron Rusting
Jessie Palatucci Windsor Jr-Sr High School	11	Acid in the Water?
Jennifer Stedman Mount Saint Joseph Acad	11	Vapor Pressure of Ethanol and Ethanol Mixed with Methanol and Butanol
Andrew Bourgeois Winooski Middle/High Sch	8	Does the Intensity of the Sun Affect the Speed of a Solar Powered Model Car?
Justin Graves Winooski Middle/High Sch	8	Does the Intensity of the Sun Affect the Speed of a Solar Powered Model Car?
Anna Keller Hinesburg Elem. School	7	Recordatio a.k.a. Memory
Hannah Whitney Hinesburg Community Sch.	7	Recordatio a.k.a. Memory
James Nadeau Woodstock High School	12	Timing Sorting Algorithms
Brian Clark Wilmington Middle School	8	Sound on the Other Side
Zeb McClellon Mill River Union HS	8	Laser Security
Lindsay Pour Mount Saint Joseph Acad	9	How Dangerous are the Decibels in Your Environment?
Brandon Roberts Windsor Jr-Sr High School	10	Aluminum or Steel Building Structures

Jackson Sengle Hinesburg Community Sch.	7	A "Truss" Worthy Shape
Amanda Benoit Weathersfield Middle S	8	Optical Illusions
Nick Mead Hinesburg Community Sch.	8	Noise Pollution, Its effect on Reading Comprehension
Kara Nye Hinesburg Community Sch.	8	How Much Can You Remember?
Audrey Tetu Windsor Jr-Sr High School	10	Subliminal Messages

**SPONSORED AWARDS  
VERMONT STATE SCIENCE & MATH FAIR–2002**

**Sponsors:**

ACS	Green Mountain Section--American Chemical Society
ASM	Northeast Branch American Society for Microbiology
GMWEA	Green Mountain Water Environment Association
NEAVS	New England Anti-Vivisection Society
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>
VANR (\$100) Elizabeth Farina	10	Land Cover Change in the Missisquoi Valley South Burlington HS
VANR (\$100) Michael Mainer	8	Awesome Algae Hinesburg Elem. School
SX (\$50) Kurt Schaberg	10	The Effects of Defoliation on the Photosynthesis and Productivity of a Fast Growing Crop Plant South Burlington HS
NEAVS (\$50) Erin Kahle	12	Familial Mutations in Mitochondrial DNA Mill River Union HS
VAAS (\$100) Erin Kahle	12	Familial Mutations in Mitochondrial DNA Mill River Union HS
GMWEA (\$100) Nick Licausi	12	What Waves Work? Mill River Union HS

ASM (\$100) Roshanak Mohaghegh	10	Mutation of the apaH gene in oral pathogen <i>Actinobacillus actinomycetemcomitans</i> South Burlington HS
ASM (\$100) Max Thayer	8	Seeking Sterile Soil Mill River Union HS
VSNA (\$50) Hannah Lincoln	7	Do Herbal Remedies Really Work? Testing the Effects of Herbal Teas on the Heart Rate of <i>Daphia Magn</i> Crossett Brook Middle Sch
VANR (\$100) Mara M. Neary	12	The Effects of Acid Rain on Fly Larvae Fair Haven Union HS
ACS (\$100) Anthony LaPlaca	9	Diffusion Rate of Helium, Nitrogen, Carbon Dioxide, and Other Gases Mount Saint Joseph Acad
ACS (\$50) Nathan L. Moore	8	Cool Salt Wilmington Middle School
GMWEA (\$200) Ainsley Thurber	10	Desalination of Water South Burlington HS
SX (\$50) Evan Masseur	7	Make the Most of Your Mulch Hinesburg Community Sch.
VANR (\$100) Derek Palmieri	8	Which Soil Erodes the Least? Weathersfield Middle S
ACS (\$25) Jason Crowley	8	Do Differences in the pH of Water Affect Goldfish? Winooski Middle/High Sch
ACS (\$25) Uyen Nguyen	8	Do Differences in the pH of Water Affect Goldfish? Winooski Middle/High Sch
VPA (\$100) Derek Siegler	12	Toss Me a Cold One Woodstock High School
VPA (\$100) Mike Gillen	12	The Trebuchet Fair Haven Union HS
TBP (\$150) Mike Gillen	12	The Trebuchet Fair Haven Union HS
TBP (\$100) Gregory Holtorf	8	Hovercraft Lift Properties Weathersfield Middle S
NEAVS (\$50) Arian Deihm	9	Anti-Marijuana Advertisements Windsor Jr-Sr High School
SX (\$50) Katie Gray	12	Woodstock High School
VPA (\$100) Katie Gray	12	Woodstock High School