

SUPERIOR (GOLD) AWARDS
VERMONT STATE SCIENCE & MATH FAIR–1999

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
Jessi Waite Mill River Union HS	10	What Makes Nodules Grow Best
Brian Costello South Burlington HS	10	Potassium Channels in Smooth Muscle Cells and Its Relationship to Blood Pressure Control
Anya Gushchin South Burlington HS	11	Increasing Yield of Ethanol from Hexose Sugar Metabolism by <i>Zymomanas mobilis</i>
Cailey Gibson Mill River Union HS	8	Worms at Work
Kristin Weibust South Burlington HS	10	Effects of Androstenedione on Mice
Cathe Ross South Burlington HS	11	To Bleach, on Not to Bleach
Nathan Frohloff Mill River Union HS	10	Electrode Erosion
Will Longo Main Street Middle School	8	Earthquakes and How We Record Them
Amy Dinitz Hinesburg Elem. School	7	A Sideways Glance
Caitlin Steirman Hinesburg Elem. School	7	A Sideways Glance
Matt Neuman Wilmington Middle School	8	Electromagnetism
Peter Forshay Rutland High School	10	Starlight, Star Bright?
David Sly Rutland High School	10	Antilock Brakes
Jeffery Iacono Rutland High School	10	Subliminal Messages
Cami Papineau Rutland High School	10	What People See

EXCELLENT (SILVER) AWARDS
VERMONT STATE SCIENCE & MATH FAIR–1999

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
Phil Bourn Fair Haven Union HS	10	The Effect of an Increase in Temperature on Plants
Logan Cate U-32 Middle School	8	Does pH Affect the Rate of Insect Consumption in Pitcher Plants?
Jillian Dauphinais Rutland High School	12	The Effects that Soil pH Has on Plants

Charissa Wong South Burlington HS	10	A Test of the Advantages and Disadvantages of Hydroponics
Melissa Joseph Rutland High School	12	The Great Protector
Kristina Rowell South Burlington HS	10	How Exercise Relates to the Immune System
Lindsey Morse Mill River Union HS	11	A Cure For Those Itchy, Smelly Ears
Jimmy Sprague Wilmington Middle School	7	The Effect of Calcium Propionate on Mold Growth
Kassandra Doering South Burlington HS	10	Tolerance of Fish to Water Impurities
Maeve Mangine Mill River Union HS	8	Thump, Thump...The Heart Rate of a Daphnia
Bachir Yahi South Burlington HS	10	Circadian Rhythms in Cockatiels
Dean Southworth Rutland High School	10	Towel Values
Anna Dustira South Burlington HS	11	Nitrates in Our Water
Emily Seddon Main Street Middle School	7	Does the River Water Change as it Goes Through Montpelier?
Molly Tartter Main Street Middle School	7	What Are You Drinking?
Ryan McCormick Main Street Middle School	7	Far Infrared Ceramics
Ryan Prouty Weathersfield Middle S	7	Will a Solar Still Clean Contaminated Water?
Sarah Neuman Wilmington Middle School	8	Does Acid Rain Affect the Way the Grass Grows?
Teddy Spicer Wilmington Middle School	8	Does Acid Rain Affect the Way the Grass Grows?
Ryan Gilbert Hinesburg Elem. School	8	Rocket to Success
Colin Masseur Hinesburg Elem. School	8	Rocket to Success
Asa Parker Hinesburg Elem. School	7	The Effects of Extreme Temperature, Water, Dirt, Smoke, Impact, and Magnetism on 3 Inch Floppy Disks
Douglas J. Barry U-32 Middle School	8	It's Cold Outside, Can I Still Play Paintball
Matt Duda Mill River Union HS	10	Dead Spots
Tristan Lawry Mill River Union HS	8	Wind Screens

Nicholas LiCausi Mill River Union HS	9	Bending Light
Dylan Cate U-32 Middle School	7	On the Rising Winds
Ben Haulenbeek Mater Christi School	7	Do Certain Shapes Produce Lift More Effectively Than Others?
Kelli Ketcham Mill River Union HS	9	My Dog Ate My Homework
Sarah Smith South Burlington HS	10	The Importance of Memory and Cognition in Teenagers

**SPONSORED AWARDS
VERMONT STATE SCIENCE & MATH FAIR-1999**

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
VPA	Vermont Principals' Association
VSNA	Vermont State Nurses' Association

Awards:

<u>Award/Name</u>	<u>Grade</u>	<u>Project/School</u>
ACS (\$100) Nick Morwood	11	The Effect of Fabric Softener on Flammability South Burlington HS
ACS (\$50) Maria Gaiotti	7	Hair Dye Rinse: Comparison Mill River Union HS
ACS (\$50) Emma Pouech	7	The Effects of Pure Water, Salt Water, and Acid Water on the Corrosion of Metals Hinesburg Elem. School
ASM (\$50) Shibevahna Devost	10	The Effectiveness of Disinfectants on Bacteria Rutland High School
ASM (\$50) Lindsey Morse	11	A Cure For Those Itchy, Smelly Ears Mill River Union HS
GMWEA (\$100) Heather Brouillard	7	What's in Water? Mill River Union HS
GMWEA (\$100) Emily Seddon	7	Does the River Water Change as it Goes Through Montpelier? Main Street Middle School
GMWEA (\$100) Andrea Way	9	TDS of Water and pH Fair Haven Union HS
NEAVS (\$50) Rachel Terry	9	Beating Bacteria Mill River Union HS

NEAVS (\$50) Meredith Winnicki	12	Chemical Effects on Plankton Mill River Union HS
SX (\$50) Anya Gushchin	11	Increasing Yield of Ethanol from Hexose Sugar Metabolism by <i>Zymomonas mobilis</i> South Burlington HS
SX (\$50) David Sly	10	Antilock Brakes Rutland High School
TBP (\$150) Rikki Tracy	8	Pitch and Acoustics U-32 Middle School
TBP (\$100) Peter Forshay	10	Starlight, Star Bright? Rutland High School
VAAS (\$100) Melissa Joseph	12	The Great Protector Rutland High School
VPA (\$200) Melissa Joseph	12	The Great Protector Rutland High School
VSNA (\$50) Amber Ferguson	12	Hypertension: The Silent Killer - Blood Pressure at Rest and Under Stress Rutland High School