

64th Pittsburgh Regional Science and Engineering Fair Sponsor Awards, April 4-5, 2003 — REVISED 4/30/03

Sponsor Award	Student's Name	Project Title	School/Teacher
Air & Waste Management Assoc., W. PA Section	Daile Flurry	Analysis of MtBe TAML Catalyst Reaction	Schenley High School/Stephen Populo
Air & Waste Management Assoc., W. PA Section	Eve Marie Blasinsky	Materials Effective in the Absorption of Oil Spills	Providence Heights Alpha School/kathleen spencer
Alcoa	Susan Frankiewicz	Energy Efficiency and Transmission in Geared Ratio System	East Allegheny High School/James Frankiewicz
Alcoa	Mark Gordon	What? You Built a Jet Engine?	Seton LaSalle High School/Delwyn Peterson
Alcoa	Greg Piehler	Car Aerodynamics	Carson Middle School/Joe Harvey
Alcoa	Tanya Johnson	Seeing in Ground with Electricity	Gateway Middle School/Robert Coen
Alcoa	Greg Gormley	Keeping You in Suspension	Gateway Middle School/Robert Coen
Allegheny County Health Department	Anthony Firetto	The Effect of Cleaners on salmonella Bacteria	Ambridge Junior High/Holly Fritz
Allegheny County Health Department	Melissa Meighan	Playground Pollutants	East Allegheny High School/James Frankiewicz
Allegheny County Health Department	Nicole Rodrigues	Effect of Algae on Acid Mine Drainage	Woodland Hills High School/John Orndorff, Jr.
Allegheny County Medical Society Alliance	Loretta Belsick	Bacteria on Currency?	St. Joseph Regional/Pam Jenko
Allegheny County Medical Society Foundation	Priyanka Chablani	A comparsion between spiral computerized tomography of the chest and chest x-ray for the followup of Pulmonary Nodules	Shadyside Academy/kathy malone
Allegheny County Medical Society Foundation	Michael Mi	From Fat to Bone	Mt. Lebanon Senior High School/Irene Duda
Allegheny Technologies, Inc.	Chengjou Liao	Galvanic Metals Corrosion	Franklin Regional Senior High School/Chad Roland
Allegheny Technologies, Inc.	Sean Jackson	The Effectiveness of Hip Anthroplasty	Serra Catholic High School/Kathy Warcup
American Chemical Society	Chengjou Liao	Galvanic Metals Corrosion	Franklin Regional Senior High School/Chad Roland

American Chemical Society	Liz Dennis	A Search for Alternative pH Indicators	Providence Heights Alpha School/kathleen spencer
American Industrial Hygiene Assoc.	Sarah Smith	The Causitive Agent in the Reduction of Nitrates in Groundwater	Central High School/Dolores Smith
American Nuclear Society, Pgh. Section	Nicole Rodrigues	Effect of Algae on Acid Mine Drainage	Woodland Hills High School/John Orndorff, Jr.
American Society for Quality	Lekha Tummalapalli	Examination of Indian Homeopathic Remedies	Fox Chapel Area High School/Gregory Schubert
American Society for Quality	Matthew Winne	What Paper Airplane Flies the Best?	State Street Elementary School/Dawn Finnegan
American Society of Civil Engineers, Pgh. Section	Kathryn Ferchak	Bridge structure & Strength	West Mifflin Middle School/Christy Vogel
American Society of Civil Engineers, Pgh. Section	Yael Klionsky	Rating Bridges	Allderdice High School/Cathy Didomenico
American Society of Civil Engineers, Pgh. Section	Ellen Goodlett	The Effect of Acid Rain on Tadpoles	Upper St. Clair High School/Jean Austin
American Society of Civil Engineers, Pgh. Section	Eve Marie Blasinsky	Materials Effective in the Absorption of Oil Spills	Providence Heights Alpha School/kathleen spencer
American Society of Highway Engineers, Pgh. Section	Yael Klionsky	Rating Bridges	Allderdice High School/Cathy Didomenico
American Society of Mechanical Engineers	Jonathan Sacco	Is It Better or Is It Worse?	State Street Elementary School/Dawn Finnegan
American Society of Mechanical Engineers	Mark Gordon	What? You Built a Jet Engine?	Seton LaSalle High School/Delwyn Peterson
American Statistical Association, Pgh. Chapter	Emily Schofield	The influence of question content on responses	Shadyside Academy/kathy malone
ASM International, Pittsburgh Golden Triangle Chapter	Shanon Bridge	Do Added Products in Concrete Beams Affect Their Customary Support and Deflection?	Derry Area High School/Kimberly McWherter
Association for Bridge Construction & Design	Yael Klionsky	Rating Bridges	Allderdice High School/Cathy Didomenico
Bayer Corporation	Kirstin Fowler	Eff of Drvd Chem Fresco Restorative	Fox Chapel Area High School/Gregory Schubert

Bayer Corporation	Samantha Conroy	Landfill Chemistry	Conroy Learning Center/Stephanie Conroy
Bechtel Bettis, Inc.	Charles Black	Generating Electricity from Barometric Pressure	Carson Middle School/Joe Harvey
Bombardier	Megan McConnell	Magnetically Driven	West Mifflin Middle School/Christy Vogel
Bombardier	Alex Lesnick	Examining Effects of Stressors Through Holographic Interferometry	Seton LaSalle High School/Delwyn Peterson
Carnegie Mellon Univ. Chapter of Sigma XI	Stephanie Barbadora	Herbal Remedy Working in Vivo	Pine-Richland High School/Ron Schmiedel
Carnegie Mellon University, Dept. of Materials Science & Engineering	Aunup Bhattacharyya	Thermal Contact Resistance	Franklin Regional Senior High School/Chad Roland
Chemical Association of Pittsburgh	Shanon Bridge	Do Added Products in Concrete Beams Affect Their Customary Support and Deflection?	Derry Area High School/Kimberly McWherter
Chemical Association of Pittsburgh	Danielle Lockard	An Athlete's Supply	Hollidaysburg Area High School/Eleanor Siegrist
Chester Engineers	Eve Marie Blasinsky	Materials Effective in the Absorption of Oil Spills	Providence Heights Alpha School/kathleen spencer
Continental Design and Management Group	Shanon Bridge	Do Added Products in Concrete Beams Affect Their Customary Support and Deflection?	Derry Area High School/Kimberly McWherter
Cummings Riter Consultants, Inc.	Babur Khwaja	Convctn and Heat Transf in Water	Franklin Regional Senior High School/Chad Roland
Dental Society of Western Pennsylvania	Sarah Wattick	Analysis: Tooth Whitening Products	St. Thomas More School/Cathy Borecky
Dominion Peoples	Michael Stamatelos	Hydroponics	St. Alphonsus School/Nancy Snyder
Dominion Peoples	Joshua Elser	Radioactive Hydro/Horticulture	Ambridge Junior High/Karen DeMarco
Duquesne University, Dept. of Biological Sciences	Emma Tutino	Vitamin C Content	Shaler Area Middle School/Dolores Cessar
Duquesne University, Dept. of Biological	Christina Doty	Protein Absorption	Cambria Heights High School/Laura Fisanick

Sciences			
Duquesne University, Dept. of Biological Sciences	Urmi Wadhar	Antioxidants in Different Teas	Gateway High School/Shari Morasco
Electrochemical Society, Pittsburgh Section	Elizabeth Hejnosz	Lemongizer Batteries	St. Agnes/Diane Skreppen
Emerson Process Management, Power and Water Solutions	Jonathan Miller	Chip Off the Old Block	Cambria Heights High School/Laura Fisanick
Emerson Process Management, Power and Water Solutions	Greg Salopek	The Effect of Sling Length on a Trebuchet's Launching Distance	Ambridge Junior High/Holly Fritz
FedEx Ground, Inc.	Eric Winer	A Natural Dynamic Database System	Mt. Lebanon Senior High School/Irene Duda
FedEx Ground, Inc.	Jennifer Cross	BRASS Phase II: Basic Robotic Air- Ship System and Communications	State College Area High School/Jack Lyke
Fisher Scientific Company L.L.C.	Dan Fisher	Bioremediation of Oil in Soil	Ambridge Junior High/Karen DeMarco
Fisher Scientific Company L.L.C.	Valerie Boudreaux	Removing Fe from AMD Using Garbage	Seneca Valley Intermediate High School/Patricia Griest
Institute of Electrical & Electronics Engineers, Inc.	Sean Conroy	A Novel Source of Energy: Wind- Induced Vibrations	Conroy Learning Center/Stephanie Conroy
Institute of Electrical & Electronics Engineers, Inc.	Brad McGuirk	What is the Best Cooling for Your PC?	St. Elizabeth Elementary School/Bruce Kolosvary
J&L Specialty Steel, Inc.	Yael Klionsky	Rating Bridges	Allderdice High School/Cathy Didomenico
J&L Specialty Steel, Inc.	Chengjou Liao	Galvanic Metals Corrosion	Franklin Regional Senior High School/Chad Roland
LabChem, Inc.	Emily Kompare	Medication and Heart Rate	Shaler Area Middle School/Dolores Cessar
Mascaro Construction Company, L.P.	Kerrick Dando	Balloon Physics	Franklin Regional Middle School/John Blank
Master Brewers Association of America	Michael Lacina	Yeast, and Oxygen Free Radicals	Norwin High School/Brian Nevi

Master Brewers Association of America	Joshua Hostetter	Smoker's Olfactory Function	Pittsburgh Cental Catholic High School/Mark Krotec
Michael Baker Corporation	Samantha Matta	Mr. Sandman	South Allegheny Sr. High School/Janice Skraly
Michael Baker Corporation	Blasko Kevin	Moving Forward with Maglev	Gateway Middle School/Robert Coen
Mine Safety Appliances Co. Charitable Foundation	Kirstin Fowler	Eff of Drvd Chem Fresco Restorative	Fox Chapel Area High School/Gregory Schubert
Mine Safety Appliances Co. Charitable Foundation	Justine Jou	Single Displacement React. of CupricSulfate Aq. Solution w/ Fe Powder	North Allegheny Intermediate High School/Anne Marklewicz
National Assoc of Corrosion Engineers, Pgh Section	Anne Greci	Corrosion of Iron	St. Alphonsus School/Nancy Snyder
National Electrical Contractors Association	Nicholas Zurku	Robotics for Disabled Persons	St. Elizabeth Elementary School/Bruce Kolosvary
National Electrical Contractors Association	Jennifer Cross	BRASS Phase II: Basic Robotic Air-Ship System and Communications	State College Area High School/Jack Lyke
National Institute of Occupational Safety and Health	Shanon Bridge	Do Added Products in Concrete Beams Affect Their Customary Support and Deflection?	Derry Area High School/Kimberly McWherter
Pittsburgh Digital Greenhouse	Jennifer Cross	BRASS Phase II: Basic Robotic Air-Ship System and Communications	State College Area High School/Jack Lyke
Pittsburgh Geological Society	Samantha Matta	Mr. Sandman	South Allegheny Sr. High School/Janice Skraly
Pittsburgh Life Sciences Greenhouse	Maeve Ward	Effectiveness of Wound Cleaners	Carlow Campus School/Carole Wojciechowski
Pittsburgh Life Sciences Greenhouse	Ray Pascoe	Does the Dew Do it?	Gateway Middle School/John Ashoff
Pittsburgh Section of the American Association for Clinical Chemistry	Josh Lavra	Aluminum in Beverages	Ambridge Junior High/Karen DeMarco
Pittsburgh Society for Coatings Technology	Tim Holt	Electroplating	Frazier Middle School/Donna Clark
Pittsburgh Society for Coatings Technology	Eve Marie Blasinsky	Materials Effective in the Absorption of Oil Spills	Providence Heights Alpha School/kathleen spencer

Pittsburgh Technology Council	Eric Winer	A Natural Dynamic Database System	Mt. Lebanon Senior High School/Irene Duda
Pittsburgh Technology Council	Matthew Morelli	Propulsion Utilizing Permanent Magnets	Derry Area High School/Kimberly McWherter
Pittsburgh Technology Council	Sean Conroy	A Novel Source of Energy: Wind-Induced Vibrations	Conroy Learning Center/Stephanie Conroy
Pittsburgh Tissue Engineering Initiative	Michael Mi	From Fat to Bone	Mt. Lebanon Senior High School/Irene Duda
PPG Industries, Inc.	Scott Wojciechowski	A Grave Mistake	South Allegheny Sr. High School/Janice Skraly
PPG Industries, Inc.	Liz Dennis	A Search for Alternative pH Indicators	Providence Heights Alpha School/kathleen spencer
PPG Industries, Inc.	Michelle Shaffer	Material Science: Adhesive Testing	Conemaugh Township Area High School/Deanna Haddle
PPG Industries, Inc.	Amanda Matoic	Caution: Wet Paint	Beaver Area Middle School/Donna Nunamaker
Princeton Alumni Association of W. PA	Nathan Diorio-Toth	Decomposition of Azo Dyes With TAML Activiated Peroxide	Pittsburgh Cental Catholic High School/Mark Krotec
Robert Morris University (Sponsor)	Meredith Semon	The Good Old-Fashioned Soap	Yough High School/Jason Kramer
Robert Morris University (Sponsor)	Emily Schofield	The influence of question content on responses	Shadyside Academy/kathy malone
Seagate	Kate Tuley	A Study of Expansions of Pascal's Triangle	Penn Middle School/Jason Zimmer
Siemens Westinghouse Power Corporation	Kara Hochevar	Which Cigarettes Contain Tar?	Ambridge Junior High/Karen DeMarco
Siemens Westinghouse Power Corporation	Nick Wytiaz	Which Aggregat Produces the Strongest Concrete	Thomas Jefferson High School/Wendy Matta
Society for Analytical Chemists of Pittsburgh	Daniel DeCaria	Sound Chemistry	Mother of Sorrows School/Gabriela Rose
Society for Analytical Chemists of Pittsburgh	Katelyn Reighard	Should You Eat Fries With That?	Hollidaysburg Area High School/Eleanor Siegrist
Society for Analytical Chemists of Pittsburgh	Chengjou Liao	Galvanic Metals Corrosion	Franklin Regional Senior High School/Chad Roland

Society for Analytical Chemists of Pittsburgh	Danielle Lockard	An Athlete's Supply	Hollidaysburg Area High School/Eleanor Siegrist
Society for Analytical Chemists of Pittsburgh	Lara Nagle	"Finding the Physical Properties of Butter, Margarine, and Oil Using DSC"	Allderdice High School/Cathy Didomenico
Society for Analytical Chemists of Pittsburgh	Hannah Diorio-Toth	Chromatography and Pigment ID	St. Maurice School/Angelo Lamanti
Society for Analytical Chemists of Pittsburgh	Rishi Sadhir	Quest to See the Invisible	Franklin Regional Middle School/John Blank
Society for Analytical Chemists of Pittsburgh	Eric Levine	Foiling the Point of Boiling	Community Day School/Art Dickter
Society for Mining, Metallurgy & Exploration	Nicole Rodrigues	Effect of Algae on Acid Mine Drainage	Woodland Hills High School/John Orndorff, Jr.
Society of American Military Engineers	Joshua Elser	Radioactive Hydro/Horticulture	Ambridge Junior High/Karen DeMarco
Society of Petroleum Engineers, Pittsburgh Section	Mark Gordon	What? You Built a Jet Engine?	Seton LaSalle High School/Delwyn Peterson
Society of Women Engineers	Susan Frankiewicz	Energy Efficiency and Transmission in Geared Ratio System	East Allegheny High School/James Frankiewicz
Society of Women Engineers	Kiersten Schultz	Bridge Over The River: Y?	Frazier Middle School/Donna Clark
Spectroscopy Society of Pittsburgh	Nathan Diorio-Toth	Decomposition of Azo Dyes With TAML Activated Peroxide	Pittsburgh Cental Catholic High School/Mark Krotec
Spectroscopy Society of Pittsburgh	Daniele Baker	Freshwater? Ask the Fish	Hollidaysburg Area High School/Eleanor Siegrist
Spectroscopy Society of Pittsburgh	Derek Stein	The Effect Different Substances Have on the Speed of Light	Mellon Middle School/Cindy Bronen
Spectroscopy Society of Pittsburgh	Laura Alexander	Follow the Rainbow	Hopewell Memorial Jr. High School/Ed Burak
Spectroscopy Society of Pittsburgh	Jennifer Archila	Lights, Colors, Action!	State Street Elementary School/Dawn Finnegan
Spectroscopy Society of Pittsburgh	Nicole Rodrigues	Effect of Algae on Acid Mine Drainage	Woodland Hills High School/John Orndorff, Jr.
Sunoco Chemicals	Sean Conroy	A Novel Source of Energy: Wind-	Conroy Learning Center/Stephanie

		Induced Vibrations	Conroy
Sunoco Chemicals	Samantha Conroy	Landfill Chemistry	Conroy Learning Center/Stephanie Conroy
The Art Institute of Pittsburgh	Alex Lesnick	Examining Effects of Stressors Through Holographic Interferometry	Seton LaSalle High School/Delwyn Peterson
The Art Institute of Pittsburgh	Megan Block	A Comparison of Verbal and Graphic Stimulii in Learning	Conemaugh Township Area High School/Deanna Haddle
The Aviation Foundation	Mark Gordon	What? You Built a Jet Engine?	Seton LaSalle High School/Delwyn Peterson
The Webb Law Firm	Sean Conroy	A Novel Source of Energy: Wind-Induced Vibrations	Conroy Learning Center/Stephanie Conroy
United States Steel	Brad Very	A Study of Magnetic Levitation	Providence Heights Alpha School/kathleen spencer
United States Steel	David Snyder	Properties of 304 Stainless Steel	Dorseyville Middle School/Kathy Orient
University of Pittsburgh, Dept. of Freshman Engineering	Christina Collura	A Shocking Breeze	South Allegheny Sr. High School/Janice Skraly
University of Pittsburgh, Dept. of Freshman Engineering	Jennifer Cross	BRASS Phase II: Basic Robotic Air-Ship System and Communications	State College Area High School/Jack Lyke
University of Pittsburgh, Dept. of Neuroscience	Erin Obeldobel	Rave Rats	Norwin High School/John Matyasovsky
Western PA Chapter of American Vacuum Society	Mark Gordon	What? You Built a Jet Engine?	Seton LaSalle High School/Delwyn Peterson
Western PA Chapter of American Vacuum Society	Sean Conroy	A Novel Source of Energy: Wind-Induced Vibrations	Conroy Learning Center/Stephanie Conroy
Westinghouse Electric Company	Yael Klionsky	Rating Bridges	Allderdice High School/Cathy Didomenico
Westinghouse Electric Company	Jennifer Cross	BRASS Phase II: Basic Robotic Air-Ship System and Communications	State College Area High School/Jack Lyke
Wheelabrator Air Pollution Control	Christal Adams	Combinatorics and Probability	George Westinghouse High School/Tom Valco