

*Partners in Science Program Awards
M. J. Murdock Charitable Trust
Announced: February 2003*

IDAHO

MARC J. BECHARD - Boise State University
Idaho Shrubsteppe Bird Studies
Larry Barnes - Wood River High School, Hailey

MONTANA

EDWIN H. ABBOTT - Montana State University
Photoswitching Molecules for Incorporation in Molecular Wires
Lisa Criswell - Belfry High School, Belfry

CHARLES C. KANKELBORG - Montana State University
Hydrogen Alpha Telescope for the MOSES Rocket Flight
Marty Stuart - Bozeman High School, Bozeman

JOHN A. MERCER - McLaughlin Research Institute for Biomedical Science, Inc.
A Chemical-Genetic Approach to Molecular Motor Function
Christine C. Sundly - Charles M. Russell High School, Great Falls

LEE H. SPANGLER - Montana State University
Development of an Interferometer-Based Fluorometer
Brian Swarthout - Bozeman High School, Bozeman

OREGON

ERIK BODEGOM - Portland State University
Point Spread Function of Back-Illuminated Charge-Coupled Devices
Les Sitton - Oregon City High School, Oregon City

JUDY L. CAMERON - Oregon Health & Science University (ONPRC)
Genetics of Anxious and Depressive Behavior in a Nonhuman Primate Model
Nicole Chambers - Westview High School, Portland

HENRYK F. URBANSKI - Oregon Health & Science University (ONPRC)

Photoperiodic Modulation of Central Neurotransmitter Systems:

A Model for Seasonal Affective Disorder

Erica Tavangari - Glencoe High School, Hillsboro

CARL C. WAMSER - Portland State University

Synthesis of Model Porphyrins and Conductive Polymers for Solar Cell Studies

Albert Denman - Oregon City High School, Oregon City

DON P. WOLF - Oregon Health Sciences University (ONPRC)

In Vitro Propagation of Primate Embryonic Stem Cells

Jon Isensee - West Linn High School, West Linn

WASHINGTON

E. VIRGINIA ARMBRUST - University of Washington

Genetic Diversity in Marine Phytoplankton

Michael Dunn - Washington High School, Tacoma

DIANA J. BIGELOW - Washington State University Foundation

(Washington State University - Tri-Cities)

Proteomic Screens Comparing the Response of Skeletal and

Cardiac Muscle to Nitrate Stress During Aging

Michelle Hansen - Hermiston High School, Hermiston, Oregon

JOHN G. BISHOP - Washington State University Foundation

(Washington State University - Vancouver)

Patterns of Host Usage and Local Adaptation in Herbivores of

Alpine Lupine (*Lupinus lepidus*) on Volcanos

Tim Hinds - Heritage High School, Vancouver

ANDREW BRABBAN - Evergreen State College

Bacteriophage-Based Control of Pathogens

Mike Machowek - JM Weatherwax High School, Aberdeen

DAVID A. CLEARY - Gonzaga University

Fluorescence and Phosphorescence Spectra of Some Lanthanide

Thiophosphates: ErPS_4 , NdPS_4 , GdPS_4 , and LuPS_4

Chris Jacobson - Joel E. Ferris High School, Spokane

**SALLY D. HACKER, Ph.. - Washington State University Foundation
(Washington State University - Vancouver)**

Does Timing of Removal of an Invasive Marine Grass Increase
Successful Control and Habitat Restoration?

Michael P. Fleming - Glencoe High School, Hillsboro, Oregon

ELIZABETH KUTTER - Evergreen State College

Bacteriophage-Based Control of Pathogens

David P. Bruncke - JM Weatherwax High School, Aberdeen

DONALD R. LIGHTFOOT, Ph.D. - Eastern Washington University

Genetic Diversity of Ponderosa Pine in the Pincroft Natural Area Preserve
Using Inter-Simple Sequence Repeats

W. Brent Osborn - North Central High School, Spokane

ELAINE A. OSTRANDER - Fred Hutchinson Cancer Research Center

Evolution of Human Chromosome 17 in the Domestic Dog

Danielle DuChesne - Shorecrest High School, Shoreline

KIM PATTEN, Ph.D. - Washington State University

(Washington State University - Long Beach Research and Extension Unit)

Reducing Tree Losses in Riparian Restoration Projects and Developing
Alternative Controls for Burrowing Shrimp

Shawn Stern - Ilwaco Jr./Sr. High School, Ilwaco