1994 BEST STUDENT PAPER AWARDS

AERONAUTICAL AND AEROSPACE SCIENCES
Michelle T. Martuccio (co-recipient)
George Washington University, Joint Institute for the Advancement of Flight
Science, NASA-Langley Research Center. A Wind Tunnel Investigation of the
Effects of Micro-Vortex Generators on the High-Lift Characteristics of a Business
Jet Wing.

Jennifer L. Burt (co-recipient)
Flight Deck Research Branch, NASA-Langley Research Center. An Evalua-
tion of the Perceived Urgency of Auditory Warning Signals.

AGRICULTURE, FORESTRY, AND AQUACULTURE
T. C. Muller
Dept. of Biology, Virginia Commonwealth University. Assessing Temporal and
Spatial Genetic Variation Within American Shad (Alosa sapidissima) Populations
of Chesapeake Bay Rivers.

ARCHAEOLOGY
Ronald W. Fuchs II
Dept. of Anthropology, College of William and Mary. Archaeological Investi-
gations at a Late Woodland/Early Colonial Site in Gloucester County, Virginia.

ASTRONOMY, MATHEMATICS, AND PHYSICS
J. T. Seo
Dept. of Physics, Hampton University. Discharge Circuit Improvement for
Hard-Core Flashlamp Blue-Laser System.

BIOLOGY
Hope S. Thompson (for oral presentation)
Dept. of Biology, Randolph-Macon College. Effect of Prenatal Exposure to
Levo-Norgestrel or Ethynyl Estradiol and Norethindrone on Testis Development
in CD-1 Mice.

Oliver Bauer (for poster presentation)
Dept. of Biology, Shenandoah University, Comparison of Wing Morphology of
Bats on Dominica.

BOTANY
Philip M. Sheridan
Dept. of Biology, Virginia Commonwealth University. Genetics of Aberrant
Sarracenia Leaf and Flower Color.
EDUCATION
Beatrice Taylor
Depts. of Education and Biology, Virginia Polytechnic Institute and State University. Perspectives on Collaboration in an STS Landfill Restoration Project: Scientist, Classroom Teacher, and Researcher.

ENVIRONMENTAL SCIENCE
Kelly M. Alexander
Dept. of Biology, Chemistry, and Environmental Science, Christopher Newport University. Methane Emissions Associated with Sagittaria graminea Michz., Arrowhead, under Enriched Atmospheric CO₂.

GEOGRAPHY
Amy B. Cohen and Dominic Pisciotta (co-recipients)
Dept. of Geology and Geography, James Madison University. Spatial Distribution of Hispanics in the City of Harrisonburg, Virginia.

GEOLOGY
Anita A. Williams

MATERIALS SCIENCE
Kevin C. Stewart
Dept. of Materials Science, University of Virginia. Modelling of Crevice Chemistry.

PSYCHOLOGY
Kathryn J. Karageorge
Dept. of Psychology, College of William and Mary. Sexual Assault and Its Impact on Relationship Patterns: A Developmental Approach.

STATISTICS
Milan Mangeshkar
HONORABLE MENTIONS

AERONAUTICAL AND AEROSPACE SCIENCES
Wayne D. Carlsen

Christine Schleicher
Dept. of Aerospace Engineering, Old Dominion University. Application of a Higher-Order Theory to Orthotropic and Laminated Beams.

ARCHAEOLOGY
Suanna C. Selby

ASTRONOMY, MATHEMATICS, AND PHYSICS
Richard G. Grant
Department of Physics, Old Dominion University. Identification of the Iron-Zinc Phases in Commercially Produced Galvanized Steel.

Tae H. Kimn
Department of Physics, Old Dominion University. Mossbauer and X-Ray Study of the Iron Nitride, Fe₄N.

BOTANY
Kathryn S. Tolliver
Dept. of Biology, Virginia Commonwealth University. Potential Allelopathic Effects of Myrica cerifera on Pinus taeda.

David Seaborn
Dept. of Biological Sciences, Old Dominion University. Annual Phytoplankton Dynamics in the Pagan River, Virginia.

EDUCATION
Kenneth Lawwill
Fairfax County Schools, Chantilly High School. Encouraging Question Asking and Writing in the Science Classroom.

ENVIRONMENTAL SCIENCE
Keitha M. Dattilo
Biology Department, Mary Washington College. Isolation of Kerosene-Degrading Bacteria from Kerosene-Contaminated Soil.
Donald Morgan
Biology Department, George Mason University. Effects of Watershed Urbanization on Stream Fish Communities in Prince William County, Virginia.

GEOGRAPHY
Matthew J. Humke
Dept. of Geology and Geography, James Madison University. Environmental Assessment of the Riparian Zone of the South Fork of the Shenandoah River, Va.

GEOLOGY
Roger Decker
Dept. of Geology and Geography, James Maddison University. Hydraulic Conductivity and Retention of Hydrocarbon Fuel in Soils.

Patricia I. Autrey
Dept. of Geology, College of William and Mary. Hydrogeochemistry of Travertine Deposition at Burwell's Bay in Isle of Wight County, Virginia.

MATERIALS SCIENCE
Martin H. Ettenberg
Dept. of Materials Science, University of Virginia. Characterization of Ohmic Contact Solders to High Performance Thermoelectric Materials for Cooling Applications.

PSYCHOLOGY
Lawrence J. Prinzel III
Dept. of Psychology, Old Dominion University. Intrahemispheric Interference of Emotional Stimuli as a Function of Hand Use, Gender, Ear of Input, and Task Complexity Across Motor and Cognitive Tasks.

Douglas M. Kaufman
Dept. of Psychology, Washington and Lee University. Implicit and Explicit Memory in Children.

Monica A. Rickard
Dept. of Psychology, Old Dominion University. Goal Setting and Self-Efficacy in Amateur Athletes.