

1995 BEST STUDENT PAPER AWARDS

AGRICULTURE, FORESTRY, AND AQUACULTURE

Kori S. Baker

Agricultural Research

Virginia State University

c/o Dr. S. Wildeus

P.O. Box 9383

Petersburg, Va 23806

Breed Differences in Breeding Soundness Examination Tests in Meat-type Male Goats

ARCHAEOLOGY

Courtney Anderson

Mary Washington College

1301 College Avenue

Fredericksburg, VA 22401

Prehistoric Archaeology at the Mulberry Island Site, Richmond County, Virginia

ASTRONOMY, MATHEMATICS, AND PHYSICS

Dustin McNulty

Physics Department

James Madison University

Harrisonburg, VA 22807

Operation and Design of the CLAS Forward Electromagnetic Calorimeter

BIOLOGY

Katherine W. Nowell

Dept. of Biology Sciences

Mary Washington College

c/o Dr. Rosemary Barra

Fredericksburg, VA 22401

The Effects of Chemotherapeutic Agents on ME-180 Cells and p53 Production

BIOMEDICAL AND GENERAL ENGINEERING

Lahn Fendelander

Biomedical Engineering Program
Virginia Commonwealth University
1030 W. Franklin Street

Apt. 21

Richmond, VA 23220

Coherence: A New Method of Analyzing Multichannel Electrograms for
Defibrillation Research

BOTANY

Stephanie Roback

Dept. of Biological Sciences

Old Dominion University

c/o Dr. H. G. Marshall

Norfolk, VA 23529-0266

Appraising the Species Composition of the Diatom Genus
Pseudonitzschia in the Southern Chesapeake Bay

CHEMISTRY

Rooma M. Mehta

Dept. of Chemistry

Virginia Commonwealth University

c/o Dr. R. G. Bass

Box 842006

Richmond, VA 23284-2006

Synthesis and Characterization of Polyimides Prepared via Diels-Alder
Reaction Between 3,3'-(Oxydi-p-phenylene)bis(2,4,5-
triphenylcyclopentadienone) and Various Bisacetylenes

COMPUTER SCIENCE

Ben Fornshell (co-recipient)

Dept. of Computer Science

Mary Washington College

6911 Quander Rd.

Alexandria, VA 22307

The Effect of Topology and Protocol Selection on Local Area Networks

Ping (Frank) Wang (co-recipient)

Dept. of Computer Science

Randolph-Macon College

c/o Dr. John Rabung

P. O. Box 5005, Ashland, VA 23005-5505

Displays vs Static Links: A Study of Static Scope Implementation in a Pascal
Compiler

EDUCATION

Kenneth S. Lawwill

Dept. of Curriculum and Instruction

Virginia Polytechnic Institute and State University

Chantilly High School

4201 Stringfellow Rd., Chantilly, VA 22021

Encouraging Secondary Science Teachers to Implement a Greater Variety of Writing by Their Students

ENVIRONMENTAL SCIENCE

None received

GEOGRAPHY

Jennifer Ware (co-recipient)

Dept. of Geology and Geography

James Madison University

Harrisonburg, VA 22807

Land Use/Land Cover Analysis for an Area Behind the Valley Mall, Harrisonburg, Virginia, Using Aerial Photography and Satellite Imagery From 1966-1992

Greg Dillon (co-recipient)

Dept. of Geology and Geography

James Madison University

Harrisonburg, VA 22807

Assessing White-tailed Deer (*Odocoileus virginianus*) Population in an Urban Park in Harrisonburg, Virginia

GEOLOGY

Kelly K. Greaser

Dept. of Geological Sciences

Old Dominion University

c/o Dr. Francis O. L. Dudas

Norfolk, VA 23529

Oxidation State of Spinel Xenocrysts from Mole Hill, Rockingham County, Virginia

MATERIALS SCIENCE

Michael T. Stawovy

Materials Science and Engineering Department

Virginia Polytechnic Institute and State University

c/o Alex O. Aning, Blacksburg, VA 24061

Processing and Properties of FeW Amorphous Particle Strengthened Metal Matrix Composites

MEDICAL SCIENCES

David W. Mullins

Dept. of Biology - Microbiology and Immunology Section

Virginia Polytechnic Institute and State University

c/o Dr. Klaus D. Elgert

2119 Dearing Hall

Blacksburg, VA 24061-0406

Taxol-mediated Changes in Fibrosarcoma-induced Macrophage
Function: Down Regulation of Immunosuppression and Enhanced
Antitumor Activities

NATURAL HISTORY AND BIODIVERSITY

Kevin L. S. Drury

Dept. of Fisheries and Wildlife Sciences

Virginia Polytechnic Institute and State University

Blacksburg, VA 24061-0321

Reliability and Efficiency of Morphological Indices of Salamander
Nutritional Condition

PSYCHOLOGY

Todd H. Stanton

Dept. of Psychology

Washington and Lee University

Lexington, VA 24450

Using Process Dissociation and Event-related Potentials for
Understanding Procedural Memory

STATISTICS

Jeffrey D. Vest

Dept. of Statistics

Virginia Polytechnic Institute and State University

c/o Dr. Clint W. Coakley

Hutcheson Hall

Blacksburg, VA 24061-0439

Robust Estimation of Scale in the Two-Sample Model

HONORABLE MENTIONS

AGRICULTURE, FORESTRY, AND AQUACULTURE

C. H. Aardema

Dept. of Dairy Science

Virginia Polytechnic Institute and State University

c/o Dr. F. C. Gwazdauskas

Blacksburg, VA 24061

Effects of Variation in Milking Method, Teat Measurements, and Day of Lactation on Sow Milk Composition and Yield

CHEMISTRY

Robert H. Williams

Dept. of Chemistry

James Madison University

c/o Dr. Frank A. Palocsay

Harrisonburg, VA 22807

A Computer Interface to Predict and Compare Infrared Spectra

Charles C. Chusuei

Chemistry Department

George Mason University

c/o Dr. John A. Schreifels

Fairfax, VA 22030

A Metal Deactivator Additive Adsorbed on 304 Stainless Steel

ENVIRONMENTAL SCIENCE

None received

GEOLOGY

Michael T. Coffey

Dept. of Geology and Geography

James Madison University

c/o Dr. W. Cullen Sherwood

Harrisonburg, VA 22807

Use of the Direct Shear Device as an Aid to the Study of Mohr's Circles

MATERIALS SCIENCE

Lysle Montes

Materials Science and Engineering Department

University of Virginia

c/o Dr. Glenn Stoner

Charlottesville, VA 22903-2442

Structure and Properties of Hydrotalcite Coatings on Aluminum

Ravi Vancheeswaran

Mechanical Engineering Department

University of Virginia

c/o Dr. Haydn Wadley

Charlottesville, VA 22903

Simulation and Path Planning for the Consolidation of MMC Composites

NATURAL HISTORY AND BIODIVERSITY

Jason E. Bond

Department of Biology

Virginia Polytechnic Institute and State University

Blacksburg, VA 24061-0406

Systematics of the Spider Genera Mallos and Mexitilia (Araneae:
Dictynidae)

Thomas P. Kuhar

Dept. of Entomology

Virginia Polytechnic Institute and State University

Blacksburg, VA 24061-0319

Field Studies on the Sex Ratio and Sexual Dimorphism of Western Corn
Rootworm

PSYCHOLOGY

Lisa Kaminski

Dept. of Psychology

Old Dominion University

c/o Dr. Perry Duncan

Norfolk, VA 23529

Pavlovian Conditioning of Caffeine-induced Hyperlocomotion in Rats

Kathleen Gibson

Dept. of Psychology

Old Dominion University

c/o Dr. Perry M. Duncan

Norfolk, VA 23529

The Influence of Personality on Clothing Selection

STATISTICS

Jennifer Davison Letsinger

Dept. of Statistics

Virginia Polytechnic Institute and State University

c/o Dr. Marvin Lentner

Hutcheson Hall, Blacksburg, VA 24061-0439

Optimal Designs and Response Surface Analysis in the Presence of
Bi-Randomization Error Structures