

**VIRGINIA JUNIOR ACADEMY OF SCIENCE
MAY 28, 2009
68th ANNUAL MEETING AWARDS
VIRGINIA COMMONWEALTH UNIVERSITY
RICHMOND, VA**

AGRICULTURE AND ANIMAL SCIENCE

- Honorable Mention: KATHERINE CHEN
Mills E. Godwin High School
- Honorable Mention: VICTORIA S. FUBARA
Deep Run High School
- Honorable Mention: VAISHNAVI KOSURI AND DIVYA MADHUSUDHAN
Thomas Jefferson High School for Science and Technology
- Third Place: JORDAN B. HURST
Chesapeake Bay Governor's School
- Second Place: MATTHEW T. KING
George H. Moody Middle School
- First Place: TIAN ZHOU
Blacksburg High School

ANIMAL BEHAVIOR (ETHOLOGY)

- Honorable Mention: RYAN P. CARROLL
Yorktown High School
- Honorable Mention: SEANA HEDAYATNIA
Mills E. Godwin High School
- Honorable Mention: ERICA L. STANLEY
Central Virginia Governor's School
- Third Place: ADITHYA SIMHA AND KEVIN H. SHU
Thomas Jefferson High School for Science and Technology

Second Place: CARINE L. SQUIBB
Southwest Virginia Governor's School

First Place: JEEIN SEO
Thomas Jefferson High School for Science and Technology

BOTANY A

Honorable Mention: SARAH N. BOEGNER
George H. Moody Middle School

Honorable Mention: JAKE H. HILL
Central Virginia Governor's School

Honorable Mention: CHRISTOPHER M. NOWAK
George H. Moody Middle School

Third Place: ANNA M. BROSNAHAN
Washington-Lee High School

Second Place: SUCHANA H. COSTA
Washington-Lee High School

First Place: MADHURA V. CHITNAVIS
Roanoke Valley Governor's School

CHEMISTRY A

Honorable Mention: SOFONIAS GETACHEW
Williamsburg Middle School

Honorable Mention: ANDREA E. GREEN
H. B. Woodlawn

Honorable Mention: JIMIN HE
Yorktown High School

Third Place: SAUMIL BANDYOPADHYAY
George H. Moody Middle School

Second Place: VIJAY GOVINDARAJAN
Mills E. Godwin High School

First Place: PRASANNA G. JOSHI
Mills E. Godwin High School

CHEMISTRY B

Honorable Mention: FARIS G. SANJAKDAR
Washington-Lee High School

Honorable Mention: PRIYA SARKAR
George H. Moody Middle School

Honorable Mention: SHANNA SU
Mills E. Godwin High School

Third Place: JORDYN A. WADE
George H. Moody Middle School

Second Place: AMANDA K. RODGERS
Southwest Virginia Governor's School

First Place: ANIRUDH SARASWATHULA
Thomas Jefferson High School for Science and Technology

COMPUTER SCIENCE

Honorable Mention: ANDREW C. CASEY
Central Virginia Governor's School

Honorable Mention: MICHAEL R. LEVET
Deep Run High School

Honorable Mention: ANDREW E. VITKUS
George H. Moody Middle School

Third Place: BENJAMIN M. ROBLE
Mathematics and Science High School at Clover Hill

Second Place: LAWRENCE TALEJ
Deep Run High School

First Place: BRIAN K. SEAL, JR.
Deep Run High School

CONSUMER SCIENCE A

Honorable Mention: DEVAN M. BITTINGER
Hanover High School

Honorable Mention: KIMBERLY D. CASTLEMAN AND
MACKENZIE G. NEWMAN
Deep Run High School

Honorable Mention: ARIELLE R. EFFRON
Mills E. Godwin High School

Third Place: JOSEPH M. DAMRON III
Mountain Vista Governor's School

Second Place: TARA R. DEAN
Southwest Virginia Governor's School

First Place: LINDSAY A. BYRUM
Chesapeake Bay Governor's School

CONSUMER SCIENCE B

Honorable Mention: KATHERINE B. MODLY
Mountain Vista Governor's School

Honorable Mention: ERIN R. VEASEY
Southwest Virginia Governor's School

Honorable Mention: JOSHUA J. WHITE
Shenandoah Valley Governor's School

Third Place: COURTNEY M. SIMS
Shenandoah Valley Governor's School

Second Place: PETER STEELE
Shenandoah Valley Governor's School

First Place: HANNAH M. MEEKS
Hanover High School

EARTH AND SPACE SCIENCE

Honorable Mention: NATHANIEL T. BURKHOLDER
Shenandoah Valley Governor's School

Honorable Mention: HANA-MAY EADEH
George H. Moody Middle School

Third Place: STUART D. GEIPEL
George H. Moody Middle School

Second Place: WILLIAM B. RIORDAN
Central Virginia Governor's School

First Place: BRANDEN T. KATONA
Mills E. Godwin High School

ENGINEERING A

Honorable Mention: KATHARINE A. GRAHAM
George H. Moody Middle School

Honorable Mention: MAX S. NEWMAN
Mills E. Godwin High School

Honorable Mention: MARY E. SEALS
Central Virginia Governor's School

Third Place: MICHELLE A. KENNEDY
Hanover High School

Second Place: CHRISTOPHER M. WERTMAN
Shenandoah Valley Governor's School

First Place: JOY E. LEE
Thomas Jefferson High School for Science and Technology

ENVIRONMENTAL SCIENCE A

Honorable Mention: REID A. BARDEN
George H. Moody Middle School

Honorable Mention: DICKSON R. BARRY
Patrick Henry High School

Honorable Mention: KATHERINE D. BAUMAN
H. B. Woodlawn

Third Place: KATHERINE J. ADAMS
Chesapeake Bay Governor's School

Second Place: KYLE F. ALLWINE
Chesapeake Bay Governor's School

First Place: MICHAEL A. BUGAS
Fort Defiance High School

ENVIRONMENTAL SCIENCE B

Honorable Mention: GRIFFIN Q. HUNDLEY
Hanover High School

Honorable Mention: GUFRAN H. JARRAR AND CARRIE D. CARDONA
Chesapeake Bay Governor's School

Honorable Mention: SARAH V. LIU
Roanoke Valley Governor's School

Third Place: RUTH W. HEDBERG
Chesapeake Bay Governor's School

Second Place: SAMANTHA L. FLOYD
Chesapeake Bay Governor's School

First Place: GREGORY D. DORSEY
Chesapeake Bay Governor's School

ENVIRONMENTAL SCIENCE C

Honorable Mention: ELIZABETH MCDONALD
Williamsburg Middle School

Honorable Mention: MARK D. MISCH AND JEFFREY C. DITMER, JR.
Chesapeake Bay Governor's School

Honorable Mention: BRIAN P. MURPHY
Chesapeake Bay Governor's School

Third Place: MITHCHELL J. OLIVER
Mountain Vista Governor's School

Second Place: HILLARY D. MAY AND CALEB S. SMITH
Chesapeake Bay Governor's School

First Place: SARAH G. MURPHY
George H. Moody Middle School

ENVIRONMENTAL SCIENCE D

Honorable Mention: NICHOLAS E. ROWE
Chesapeake Bay Governor's School

Honorable Mention: STEVEN K. THOMPSON
Chesapeake Bay Governor's School

Honorable Mention: MEGAN WALZ
Blacksburg High School

Third Place: ABIGAIL J. SIMON
Home Schooled

Second Place: SARA C. TAYLOR
George H. Moody Middle School

First Place: SETH J. THEUERKAUL
Chesapeake Bay Governor's School

GENETICS AND CELLULAR BIOLOGY

- Honorable Mention: SWETHA PASALA
Thomas Jefferson High School for Science and Technology
- Honorable Mention: CHELISSE D. PERRY
Chesapeake Bay Governor's School
- Honorable Mention: ANDREW M. SHORE
Mathematics and Science High School at Clover Hill
- Third Place: CONAN ZHAO
George H. Moody Middle School
- Second Place: ALLISON S. REID
Central Virginia Governor's School
- First Place: CAROLYN SONG
Mills E. Godwin High School

MATHEMATICS

- Honorable Mention: THOMAS J. DELGADO
Mathematics and Science High School at Clover Hill
- Third Place: ZACHARY TERNER
Mills E. Godwin High School
- Second Place: HUNTER W. LONG
Roanoke Valley Governor's School
- First Place: SOHINI SENGUPTA
Ocean Lakes High School

MEDICINE AND HEALTH A

- Honorable Mention: QUINN L. BROGAN
Mills E. Godwin High School
- Honorable Mention: COURTNEY O. EGAN
Hermitage High School

Honorable Mention: SANJAY T. KISHORE
Southwest Virginia Governor's School

Third Place: JACK A. BOOTH
George H. Moody Middle School

Second Place: CAITLIN E. DOHERTY
Mills E. Godwin High School

First Place: STEPHANIE A. MARQUEEN
Douglas Freeman High School

MEDICINE AND HEALTH B

Honorable Mention: KATHERINE A. RODRIGUEZ
Deep Run High School

Honorable Mention: KATELYN K. ROWLAND
Thomas Jefferson Middle School

Honorable Mention: LESLEY E. SUMMERVILLE
James River High School

Third Place: LEANDER C. UNVERDORBEN
George H. Moody Middle School

Second Place: ASHLEY R. TAYLOR
Southwest Virginia Governor's School

First Place: ANGELA C. MENNA
Mills E. Godwin High School

MICROBIOLOGY

Honorable Mention: SEBASTIAN T. COUPE
Thomas Jefferson Middle School

Honorable Mention: SAYANTANEE DAS
George H. Moody Middle School

Honorable Mention: ANNA E. KNIGHT AND CATHERINE F. DWORAK
Thomas Jefferson High School for Science and Technology

Third Place: SAMUEL M. RUBIN
Mills E. Godwin High School

Second Place: SAPIR CACHUM, KATHLEEN ATKATSH AND
MANNA FUJIU
Thomas Jefferson High School for Science and Technology

First Place: SANJAY M.KISHORE
Southwest Virginia Governor's School

PHYSICAL SCIENCE

Honorable Mention: NICHOLAS A. PARAISO
George H. Moody Middle School

Honorable Mention: SHRUTI R. RAO
George H. Moody Middle School

Honorable Mention: MADELEINE A. SENDEK
Swanson Middle School

Third Place: LEONARD DUBOVOY
George H. Moody Middle School

Second Place: GRANT S. BROUSSARD
George H. Moody Middle School

First Place: PERRIN L. FALKNER
Swanson Middle School

PHYSICS

Honorable Mention: LAKSHMI BODAPATI
George H. Moody Middle School

Honorable Mention: MADELINE L. BOTTICELLO
Yorktown High School

Honorable Mention: CLAYTON M. GEIPEL
Mills E. Godwin High School

Third Place: BRANDON M. BUNCHER
George H. Moody Middle School

Second Place: SAMUEL C. PASSAGLIA
Washington-Lee High School

First Place: MUKARRAM AHMAD
Mathematics and Science High School at Clover Hill

PSYCHOLOGY - GENERAL

Honorable Mention: SAMUEL A. AKERS
George H. Moody Middle School

Honorable Mention: ADITYA P. MOTHADAKA
Mills E. Godwin High School

Honorable Mention: MOLLY L. ROSS
Shenandoah Valley Governor's School

Third Place: HALEY T. SQUIER
Shenandoah Valley Governor's School

Second Place: ERIK R. SIMONSEN
Shenandoah Valley Governor's School

First Place: COURTNEY L. YANCEY
Shenandoah Valley Governor's School

PSYCHOLOGY - LEARNING & PERCEPTION A

Honorable Mention: ALEXANDER ALTHOFF AND CHELSEA A. MILLS
Deep Run High School

Honorable Mention: INDAY J. BARAHONA
Yorktown High School

Honorable Mention: BRANDY D. HENCE
Chesapeake Bay Governor's School

Third Place: SIBLEY A. BROWN
Southwest Virginia Governor's School

Second Place: JACKSON R. COLVER
Mills E. Godwin High School

First Place: KATHERINE L. AGNEW
Central Virginia Governor's School

PSYCHOLOGY - LEARNING & PERCEPTION B

Honorable Mention: ARAVIND MENON
Deep Run High School

Honorable Mention: ANA O'HARROW
Yorktown High School

Honorable Mention: SCOTTIE M. SMITH
Deep Run High School

Third Place: JULIA G. SHRECKHISE
Shenandoah Valley Governor's School

Second Place: CARLA M. SPENCE
Thomas Jefferson Middle School

First Place: SONIA PHENE
Washington-Lee High School

PSYCHOLOGY - SOCIAL

Honorable Mention: CHRISTOPHER D. KIME
Yorktown High School

Honorable Mention: SAMANTHA F. SPYTEK AND LARA L. SIERRA
Gunston Middle School

Honorable Mention: AMELIA J. TYLER
Southwest Virginia Governor's School

Third Place: PAUL W. DUCKWORTH
Mills E. Godwin High School

Second Place: WENHAO LU
Mills E. Godwin High School

First Place: SARA BOURDOUANE
Thomas Jefferson Middle School

STATISTICS

Honorable Mention: WILLIAM J. LUXHOJ AND JACOB L. CHAMBON
Deep Run High School

Third Place: TODD W. PHILLIPS
Mills E. Godwin High School

Second Place: ANDREW R. HOUSE
Deep Run High School

First Place: KATHERINE C. LARSON
Mills E. Godwin High School

ZOOLOGY

Honorable Mention: LAUREN E. BENNETT
George H. Moody Middle School

Honorable Mention: BRADY K. BROWN
George H. Moody Middle School

Honorable Mention: KATHRYN A. KINGSBURY AND ART T. KULATTI
Thomas Jefferson High School for Science and Technology

Third Place: EMILIA R. SENS
Washington-Lee High School

Second Place: SUSAN M. HASTINGS AND MEGHAN R. KELLY
Thomas Jefferson High School for Science and Technology

First Place:

ALEXANDER M. KIM
Thomas Jefferson High School for Science and Technology

SPECIAL AWARDS

Botany Section Award, given by the Botany Section of the VAS, to the best paper on a botanical subject. (\$100.00)

MADHURA V. CHITNAVIS
Roanoke Valley Governor's School

Speleological Society Award given to the best paper addressing karst or topics related to speleology given by the Richmond Area Speleological Society. (\$50.00)

HANA-MAY EADEH
George H. Moody Middle School

Mathematics Award for the paper that evidences the most significant contribution in the field of Mathematics. (\$200.00)

SOHINI SENGUPTA
Ocean Lakes High School

Statistics Award for the paper that evidences the most significant contribution in the field of Statistics. (\$200.00)

KATHERINE C. LARSON
Mills E. Godwin High School

Smith Shadomy Infectious Disease Award in honor and memory of Dr. Smith Shadomy given by the Virginia Chapter of the National Foundation of Infectious Diseases. (\$50.00)

GREGORY THOMPSON
Central Virginia Governor's School

KATHERINE E. BAUMANN
George H. Moody Middle School

Roscoe Hughes Award for the best paper in the field of Cellular Biology. (\$150.00)

CHELISSE PERRY
Chesapeake Bay Governor's School

Rodney C. Berry Chemistry Award for the paper that evidences the most significant contribution in the field of chemistry. (\$150.00)

PRASANNA G. JOSHI
Mills E. Godwin High School

The Dr. and Mrs. Preston H. Leake Award in Applied Chemistry will be given to the author of a research paper which best exemplifies how chemicals, chemical principles, or chemistry have been used, are used, or might be used to enhance or even to save life. (\$150, \$100)

Second Place EMILY SPILLER
George H. Moody Middle School

First Place AMANDA K. RODGERS
Southwest Virginia Governor's School

Catesby Jones - Russell J. Rowlett Award for the Best Research Paper of the Year. (\$100.00)

JOY LEE
Thomas Jefferson High School for Science and Technology

Virginia Sea Grant College Program Award is given by the Virginia Sea Grant College Program for outstanding marine or coastal research. (\$50.00)

SETH THEUERKAUF
Chesapeake Bay Governor's School

American Cancer Society Award - This award is to recognize outstanding science papers related to cancer research. A certificate to each and to 1st place - \$100, honorable mentions - \$50. These awards are funded by the American Cancer Society (Virginia Council).

Honorable Mention AMANDA K. RODGERS
Southwest Virginia Governor's School

Honorable Mention CONAN ZHAO
George H. Moody Middle School

First Place PAUAN G. GUDIMETTA
Deep Run High School

The Gamma Sigma Delta Award (Agriculture). Presented by the VPI & SU Chapter of the Honor Society of Agriculture. This award is presented in recognition of excellence in research dealing with application of new technologies and/or concepts in agriculture forestry, or veterinary medicine. (\$100)

TIAN ZHOU
Blacksburg High School

Dominion - W.W. Berry Award. This award is given by Dominion Virginia Power in honor of Mr. W. W. Berry who was a past Chairman of the Board of VA Power. This award of a \$500.00 Savings Bond will be presented to the best engineering paper. The winners must see the Director by the stage after the awards ceremony.

JOY E. LEE
Thomas Jefferson High School for Science and Technology

The Joyce K. Peterson Award is presented for the outstanding paper by a middle school student. It is presented in honor of Mrs. Joyce K. Peterson who has been an outstanding teacher in the Arlington County Schools. (\$50)

CONAN ZHAO
George H. Moody Middle School

Honorary Membership - AAAS given to two students.

PRAKRITI VERMA
Grafton High School

TARA ADISHESAN
Ramana Academy

Honorary Membership - VAS given to a student.

ELIZABETH GENTRY
Atlee High School

Bethel High School Scholarship - This \$1,000 Scholarship Award comes from the interest earned from a \$10,000 endowment contributed by the students of Bethel High School, Hampton, Va., over a two year period. This award is based on both the students presentation and paper.

KATHERINE AGNEW
Central Virginia Governor's School

Henry MacKenzie Environmental Scholarship - This \$5,000 scholarship will be awarded to the student whose paper evidences the most significant contribution in the field of Environmental Science dealing with the James River Basin and Chesapeake Bay. The Virginia Endowment and VJAS offer this scholarship in tribute to the outstanding and generous services of Judge Henry W. MacKenzie, Jr., one of the founding directors who has a great interest in the James River and the Chesapeake Bay.

SETH THEUERKAUF
Chesapeake Bay Governor's School

Frances and Sydney Lewis Environmental Scholarship: A \$14,000 scholarship (\$3,500 per year for four years) for the best effort by a student in grades 9 to 12 in the field of environmental science. This scholarship is in the name of Frances and Sydney Lewis and is given by the Virginia Environmental Endowment.

ALEXANDER KIM
Thomas Jefferson High School for Science and Technology

E.C.L. Miller Science Teacher of the Year Award is given to an outstanding science teacher. An all-expense-paid trip to the next VAST meeting held in November.

MARIVIC MITCHELL
George H. Moody Middle School

VJAS Distinguished Service Award, most prestigious award given by the VJAS, is presented to a person for exceptionally outstanding service to the VJAS.

PAM GENTRY

2009-2010 VJAS Officers

Historian - VANESSA GENTRY
ALAN BOOTH

Secretary - ANA O'HARROW

Vice President - WILL NOSTRA

President - SUCHANA COSTA

Thanks and see you next year at James Madison University.