

VIRGINIA JUNIOR ACADEMY OF SCIENCE AWARDS 1997 ANNUAL MEETING

AGRICULTURAL AND ANIMAL SCIENCE

Honorable Mention:	Laura J. Herring	Clover Hill High School
Honorable Mention:	Michelle E. Kunec	Bishop O'Connell High School
Honorable Mention:	Bonmyong Lee	Washington-Lee High School
Third Place:	Brent J. Surber	Southwest Virginia Governor's School
Second Place:	Sumeet Sarin	Blacksburg High School
First Place:	Travis W. Hundley	Carroll County High School

ANIMAL BEHAVIOR (ETHOLOGY)

Honorable Mention:	Roy B. Steinmann, Jr.	J.R. Tucker High School
Third Place:	Megan A. Jerrell	Chickahominy Middle School
Second Place:	Catherine I. Shaw	Governor's School for Gov't & Int'l Studies
First Place:	Vincent C. Gomes, IV	Gloucester High School

BOTANY 'A'

Honorable Mention:	Amanda B. Bremner	Chickahominy Middle School
Honorable Mention:	Brandt R. Carr	Tuckahoe Middle School
Honorable Mention:	John R. Cornthwait, Jr.	Cave Spring High School
Third Place:	Elizabeth A. Bederka	Gloucester High School
Second Place:	Jeremy R. Camden	Roanoke Valley Governor's School
First Place:	Aaron M. Bachmann	Clover Hill High School

BOTANY 'B'

Honorable Mention:	James G. Holder, II	Roanoke Valley Governor's School
Third Place:	Peter L. Grimaldi	Swanson Middle School
Second Place:	Michael J. Eblan	Bishop O'Connell High School
First Place:	Forrest L. Frazier	Central Virginia Governor's School

BOTANY 'C'

Honorable Mention:	Daniel A. Koski-Karell	Yorktown High School
Third Place:	Martha K. Lucas	Tuckahoe Middle School
Second Place:	Stephen J. Maney	Gloucester High School
First Place:	Meredith A. Meyer	Washington-Lee High School

VJAS AWARDS

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BOTANY 'D'

Honorable Mention:	Stepehn P. Ramaley	Gildersleeve Middle School
Third Place:	Kristen J. Solada	Gloucester High School
Second Place:	Carter A. Vaughan	Central Virginia Governor's School
First Place:	Amol K. Tripathi	Governor's School for Gov't & Int'l Studies

CHEMISTRY 'A'

Honorable Mention:	Salim H. Ahmed	Thomas Jefferson HS for Science and Technology
Honorable Mention:	Caroline L. Burnet	Warwick High School
Honorable Mention:	Joanne M. Cunningham	Atlee High School
Third Place:	William J. Edwards	Bishop O'Connell High School
Second Place:	Rebecca A. Brooks	Menchville High School
First Place:	Maureen Gramaglia	Thomas Jefferson High School for Science and Technology

CHEMISTRY 'B'

Honorable Mention:	Faisal S. Malik	Yorktown High School
Honorable Mention:	Mary E. McAden	Cave Spring High School
Honorable Mention:	Whitney T. McGhee	Atlee High School
Third Place:	Caroline C. Kuo	Yorktown High School
Second Place:	Chi-yu Liang	Thomas Jefferson High School for Science and Technology
First Place:	Curtis J. Layton	Cave Spring High School

CHEMISTRY 'C'

Honorable Mention:	Jennifer L. Payne	Mills E. Godwin High School
Honorable Mention:	Claire A. Salier-Hellendag	Menchville High School
Honorable Mention:	Patrick W. Rainey	Swanson Middle School
Third Place:	Mandy J. Warsaw	Cave Spring High School
Second Place:	Oliver M. Stroeh	Thomas Jefferson High School for Science and Technology
First Place:	Leana Jean Siochi	Gildersleeve Middle School

COMPUTER SCIENCE

Honorable Mention:	Nadia Djafarnia	Tuckahoe Middle School
Third Place:	David K. Click	Central Shenandoah Valley Governor's School
Second Place:	Liem T. Ha	Wakefield High School
First Place:	Charles C. Neeley	Central Virginia Governor's School

CONSUMER SCIENCE 'A'

Honorable Mention:	Richard S. Arner	Cave Spring High School
Honorable Mention:	Nathan J. Bliss	Williamsburg Middle School
Honorable Mention:	Kevin R. Cahill	Swanson Middle School
Third Place:	Richard M. Bagby	Tuckahoe Middle School
Second Place:	Matthew A. Canfield	Cave Spring High School
First Place:	Lisa M. Coward	Lloyd C. Bird High School

CONSUMER SCIENCE 'B'

Honorable Mention:	Brian S. Dean	Tuckahoe Middle School
Honorable Mention:	Atira B. Goodwin	Clover Hill High School
Honorable Mention:	Jared D. Heffron	Gloucester High School
Third Place:	Jerome T. Holman	James River High School
Second Place:	Caitlin R. F. Gray	Yorktown High School
First Place:	Brian C. Gross	Cave Spring High School

CONSUMER SCIENCE 'C'

Honorable Mention:	Anna E. McClure	Williamsburg Middle School
Honorable Mention:	Gregory C. Nightingale	Williamsburg Middle School
Honorable Mention:	Danielle E. Parra	Atlee High School
Third Place:	Nichole D. Nardon	James River High School
Second Place:	Lindsey J. Rawls	Gloucester High School
First Place:	Jennifer E. Miller	Gloucester High School

CONSUMER SCIENCE 'D'

Honorable Mention:	Jillian L. Silva	Governor's School for Gov't & Int'l Studies
Honorable Mention:	Erin E. Waller	James River High School
Honorable Mention:	Michele R. Williams	Dozier Middle School
Third Place:	Dexter R. Wood, III	Lloyd C. Bird High School
Second Place:	Zsafia Varga	Harry F. Byrd Middle School
First Place:	Gabrielle A. Teschner	Gloucester High School

EARTH AND SPACE SCIENCE

Honorable Mention:	Lindsey K. Check	Chickahominy Middle School
Honorable Mention:	Christina R. A. Majer	Magnet School for the Science and Health Professions
Honorable Mention:	Shane C. Smith	Roanoke Valley Governor's School
Third Place:	Michael D. Barnett	Lloyd C. Bird High School
Second Place:	Ellen M. Michalik	Central Virginia Governor's School
First Place:	Travis M. Gray	Gloucester High School

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ENGINEERING 'A'

Honorable Mention:	Charles M. Clay, II	Central Shenandoah Valley Governor's School
Honorable Mention:	Brandon K. Harris	Gloucester High School
Honorable Mention:	Rachel A. Holloway	Harry F. Byrd Middle School
Third Place:	Jonathan S. Cheek	Williamsburg Middle School
Second Place:	Nathalie C. Fassie	Northside High School
First Place:	Jake B. Harmon	Atlee High School

ENGINEERING 'B'

Honorable Mention:	Michael G. Kolejka	Roanoke Valley Governor's School
Honorable Mention:	Andrew L. Koo	Thomas Jefferson HS for Science and Technology
Third Place:	Erin M. Sparnon	Yorktown High School
Second Place:	John R. Somero	Gloucester High School
First Place:	Shane J. Moses	Southwest Virginia Governor's School

ENVIRONMENTAL SCIENCE 'A'

Honorable Mention:	Jean E. Addison	Manchester Middle School
Honorable Mention:	Megan M. Babcock	Gloucester High School
Honorable Mention:	James F. Cahoon, Jr.	Maury High School
Third Place:	Ellen M. Davis	Warwick High School
Second Place:	Elizabeth C. Carlson	Thomas Jefferson HS for Science and Technology
First Place:	Wenya L. Bi	New Horizons Governor's School

ENVIRONMENTAL SCIENCE 'B'

Honorable Mention:	Annie T. Eure	Roanoke Valley Governor's School
Honorable Mention:	Nora E. Gray	Williamsburg Middle School
Honorable Mention:	Joseph Krawczel	Roanoke Valley Governor's School
Third Place:	Emily J. Fraker	H. B. Woodlawn
Second Place:	Matthew W. King	Gloucester High School
First Place:	Alexander C. Herzick	Gloucester High School

ENVIRONMENTAL SCIENCE 'C'

Honorable Mention:	William M. Nicholson	Central Shenandoah Valley Governor's School
Honorable Mention:	Kathryn M. Paulson	Heritage High School
Honorable Mention:	Beth A. Reid	Clover Hill High School
Third Place:	Priscila S. Ribeiro	Central Virginia Governor's School
Second Place:	Stephen M. Ng	Yorktown High School
First Place:	Eric C. Moore	Gloucester High School

ENVIRONMENTAL SCIENCE 'D'

Honorable Mention:	Sarah E. Stoneham	Short Pump Middle School
Honorable Mention:	Laura R. Wherry	Atlee High School
Honorable Mention:	Christopher S. Wynne	Bishop O'Connell High School
Third Place:	Jennifer K. Sharp	Southwest Virginia Governor's School
Second Place:	Molly M. Siems	Yorktown High School
First Place:	Tyler L. St. Clair	Poquoson Middle School

GENETICS AND CELLULAR BIOLOGY

Honorable Mention:	Kristen S. Lindeman	E. C. Glass High School
Third Place:	Janice E. Pour	Atlee High School
Second Place:	Jessica D. Kessler	Mills E. Godwin High School
First Place:	Rachael A. Schaffner	Bishop O'Connell High School

MATHEMATICS AND STATISTICS

Honorable Mention:	Anthony G. Kirilusha	Woodberry Forest School
Honorable Mention:	William S. Knight	Woodberry Forest School
Honorable Mention:	Milan M. Patel	Woodberry Forest School
Third Place:	Veronica Sikka	Governor's School for Gov't & Int'l Studies
Second Place:	Jennifer K. Murrill	Atlee High School
First Place:	Konstantin P. Kakaes	Thomas Jefferson for Science and Technology

MEDICINE AND HEALTH 'A'

Honorable Mention:	Shareef B. Ahmed	Richmond Community High School
Honorable Mention:	William E. Brenzovich, Jr.	Atlee High School
Third Place:	Shaunak K. Deepak	Poquoson Middle School
Second Place:	Sarah P. Bryan	Peasley Middle School
First Place:	Christopher S. Cruse	Manchester Middle School

MEDICINE AND HEALTH 'B'

Honorable Mention:	Adam D. Harber	James River High School.
Honorable Mention:	Tiffany D. Kirkham	Atlee High School
Honorable Mention:	Catherine R. Lewis	Mills E. Godwin High School
Third Place:	Heather S. Johnson	Yorktown High School
Second Place:	Nisha Nagarkatti	Blacksburg High School
First Place:	Tom L. Harmon	Atlee High School

MEDICINE AND HEALTH 'C'

Honorable Mention:	Robert B. Swanson	Maury High School
Honorable Mention:	Laura A. Tessoroff	Roanoke Valley Governor's School
Honorable Mention:	Judith A. Topich	James River High School
Third Place:	Olanrewaju O. Omojokun	Lloyd C. Bird High School
Second Place:	Melissa B. Weimer	Atlee High School
First Place:	Sarah E. Shankman	Yorktown High School

MICROBIOLOGY 'A'

Honorable Mention:	Susan E. Cocker	Yorktown High School
Honorable Mention:	Ann J. Elacate	Roanoke Valley Governor's School
Honorable Mention:	Eileen B. Flowers	Washington-Lee High School
Third Place:	Sonja B. Horgen	Wakefield High School
Second Place:	Ellie R. Gibberman	Menchville High School
First Place:	Vinay Jain	Governor's School for Gov't & Int'l Studies

MICROBIOLOGY 'B'

Honorable Mention:	Alexander L. Miller	Peasley Middle School
Honorable Mention:	Elizabeth G. Oesterling	Gloucester High School
Honorable Mention:	Andrew S. Oldham	Central Virginia Governor's School
Third Place:	Rebecca A. Yurek	Wakefield High School
Second Place:	Paula R. Katz	Roanoke Valley Governor's School
First Place:	Erin M. Walsh	H. B. Woodlawn

MULTIPLE AUTHORS 'A'

Honorable Mention:	Lisa A. Bates, Lori E. Bates	Yorktown High School
Honorable Mention:	Baihan Gu	
	Amir M. Abu-jaber	Harry F. Byrd Middle School
Honorable Mention:	Claire A. Leduc	
	Hannan I. Ahmed	Wakefield High School

Third Place:	David B. Hauver Barry K. Bourne, II	Southwest Virginia Governor's School
Second Place:	Jennifer L. Cunningham Amara L. Julian	Atlee High School
First Place:	Lindsey D. Austin Adrianna N. Hancock	Atlee High School

MULTIPLE AUTHORS 'B'

Honorable Mention:	Jeffrey M. Prister Billy K. Le	Clover Hill High School
Honorable Mention:	Angela N. Sounders Camille D. Wangsgard	Fauquier High School
Honorable Mention:	Pamela L. Sharpe Elizabeth A. Wooddy	Atlee High School
Third Place:	Derek T. Springer Titus C. Beasley, Jr. Kirk A. Andrews	Roanoke Valley Governor's School
Second Place:	Sara K. Posey Sara R. Eckelberry	Maury High School
First Place:	Arash Mostaghimi Azeem H. Sherali	Blacksburg High School

PHYSICS 'A'

Honorable Mention:	Heather L. Kraus	Isle of Wight Academy
Honorable Mention:	Jason A. Ross	New Horizons Governor's School
Honorable Mention:	Carol E. White	Roanoke Valley Governor's School
Third Place:	Lauren M. Cochard	Thomas Jefferson Middle School
Second Place:	Czer A. Enriquez	Tallwood High School
First Place:	Aimee J. Li	Yorktown High School

PHYSICS 'B'

Honorable Mention:	Justin W. Cross	Bishop O'Connell High School
Honorable Mention:	Emily V. Paarman	Chickahominy Middle School
Third Place:	Jonathan J. Fallone	Williamsburg Middle School
Second Place:	Tracy M. Baggette	Chickahominy Middle School
First Place:	Sarah E. Bolger	Gloucester High School

PHYSICS 'C'

Honorable Mention:	Virginia T. Brown	Warwick High School
Honorable Mention:	Tim D. Fu	Williamsburg Middle School
Honorable Mention:	Daniel P. Harlan	Swanson Middle School
Honorable Mention:	Shusuke Inoue	Clover Hill High School
Third Place:	Thomas B. Hagan	Harry F. Byrd Middle School
Second Place:	Isaac T. Yonemoto	H. B. Woodlawn
First Place:	Tanim S. Islam	Governor's School for Gov't & Int'l Studies

PSYCHOLOGY - GENERAL

Honorable Mention:	Jeffrey D. Chadwick	Tuckahoe Middle School
Honorable Mention:	Angela F. Martin	Central Virginia Governor's School
Honorable Mention:	Julia A. Siegel	Tuckahoe Middle School
Third Place:	Emily C. Lillywhite	Governor's School for Gov't & Int'l Studies
Second Place:	Sarah S. Airey	Roanoke Valley Governor's School
First Place:	Stacy E. Graves	Roanoke Valley Governor's School

PSYCHOLOGY - LEARNING & PERCEPTION 'A'

Honorable Mention:	Rachel C. Clarke	Atlee High School
Honorable Mention:	Sara B. Roach	Tuckahoe Middle School
Honorable Mention:	Zachary A. Schendel	Clover Hill High School
Third Place:	Gena Kolin	Washington-Lee High School
Second Place:	Kristen M. Moolhuyzen	Atlee High School
First Place:	Sara N. Tsuchitani	Yorktown High School

PSYCHOLOGY - LEARNING & PERCEPTION 'B'

Honorable Mention:	Sarah J. Bradley	J. R. Tucker High School
Honorable Mention:	Sweta B. Patel	Lloyd C. Bird High School
Honorable Mention:	Emily C. Schelstrate	Swanson Middle School
Third Place:	Brianne L. Patchell	Central Virginia Governor's School
Second Place:	Christopher B. Highly	Governor's School for Gov't & Int'l Studies
First Place:	Ashesh N. Parikh	Central Virginia Governor's School

PSYCHOLOGY - SOCIAL

Honorable Mention:	Cory J. Jordan	Magnet School for the Science and Health Professions
Honorable Mention:	Sam C. Limmer	Yorktown High School
Third Place:	Matthew S. Emery	Clover Hill High School
Second Place:	Emily M. Westkaemper	James River High School
First Place:	Brian D. Walsh	Clover Hill High School

ZOOLOGY 'A'

Honorable Mention:	Katherine E. Berger	Gloucester High School
Honorable Mention:	Kathryn J. Bradley	Yorktown High School
Honorable Mention:	Jessica L. Burton	New Horizons Governor's School
Third Place:	Sarah M. Barden	Clover Hill High School
Second Place:	Joseph W. Los	Gloucester High School
First Place:	Robert J. Lockridge	Central Virginia Governor's School

ZOOLOGY 'B'

Honorable Mention:	Bethany B. Skelton	Swanson Middle School
Third Place:	Elaine M. Pour	Chickahominy Middle School
Second Place:	Alyssa E. Stewart	Gloucester High School
First Place:	Corinna J. Shapard	Washington-Lee High School

SPECIAL AWARDS

Major W. Catesby Jones Award is for the STS winner displaying the greatest science potential.

Third Place(\$25):	Zachary Schindel	Clover Hill High School
Second Place(\$50):	Konstantin Kakaes	Thomas Jefferson HS for Science and Technology
First Place(\$75):	Chi-Yu Liang	Thomas Jefferson HS for Science and Technology

Botany Section Award, given by the Botany Section of the VAS, to the best paper on a botanical subject.(\$75.00)

Amol K. Tripathi	Governor's School for Gov't & Int'l Studies
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VJAS Neuroscience Awards supported by the Auxiliary of the Virginia Neurological Society are given to three outstanding papers in the field of neuroscience.(\$50.00 each). Presented by Mrs. Peggy Harrellson, President of the Woman’s Auxiliary of the VA Neurological Society.

Teona Callaham	Central Virginia Governor’s School
Ashesh Parikh	Central Virginia Governor’s School
Brianne Patchell	Central Virginia Governor’s School
Catherine Lewis	Mills E. Godwin High School

Microbiology Award - Given to an outstanding paper in the field of Microbiology. This award is given by the Fralin Biotechnology Center (VA Tech) (\$250)

Vinay Jain	Governor’s School for Gov’t & Int’l Studies
Erin M. Walsh	H.B. Woodlawn

Mathematics Award for the paper that evidences the most significant contribution in the field of Mathematics. (\$100.00)

Konstantin P. Kakaes	Thomas Jefferson HS for Science and Technology
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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)

Sabrina R. Kramer	Southwest Virginia Governor’s School
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Roscoe Hughes Award for the best paper in the field of Genetics (\$100.00)

Rachael A. Schaffner	Bishop O’Connell High School
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Rodney C. Berry Chemistry Award for the paper that evidences the most significant contribution in the field of chemistry.(\$100.00)

Maureen Gramaglia	Thomas Jefferson HS for Science and Technology
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The Dr. and Mrs. Preston H. Leake Award in Applied Chemistry (\$90.00 in 1995 and 1996 and then will increase to \$200.00 in 1997) 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.

Catherine R. Underwood	Fieldale-Collinsville High School
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Russell J. Rowlett Award for the Best Research Paper of the Year.(\$100.00)

Tanim S. Islam	Governor's School for Gov't & Int'l Studies
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The Virginia Psychological Foundation Meritorious Research Awards recognize outstanding presentations of research in the various fields of psychology. Each award includes a prize of \$100.00.

Stacy E. Graves	Roanoke Valley Governor's School
Sara N. Tsuchitani	Yorktown High School
Ashesh N. Parikh	Central Virginia Governor's School
Brian D. Walsh	Clover Hill High School

Virginia Sea Grant College Program Award is given by the Virginia Sea Grant College Program for outstanding marine or coastal research. (\$100.00)

Corinna J. Shapard	Washington-Lee High School
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American Cancer Society Award - This award is to recognize outstanding science papers related to cancer research. A certificate to each and to 1st place - \$500, 2nd place \$300, 3rd place \$125, and honorable mention \$75. There will be a ribbon with a pin for each winner. These awards are provided by the American Cancer Society (Virginia Council).

Honorable Mention (\$75):

Amol K. Tripathi	Governor's School for Gov't & Int'l Studies
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Third Place (\$125):	Sherwood Green, Jr.	Gloucester High School
Second Place (\$300):	Ellie Gibberman	Menchville High School
First Place (\$500):	Jessica D. Kessler	Mills E. Godwin High School

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

Travis W. Hundley Carroll County High School

W. W. Berry Award. This award is given by VA 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.

Jake B. Harmon Atlee High School

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.

Bethany Skelton Swanson Middle School

Trip to AJAS - AAAS Meeting for two students and two alternates for presenting outstanding papers. The 1997 meeting will be held in February in Philadelphia

Winner:	Rachael Schaffner	Bishop O'Connell High School
Winner:	Arash Mostaghimi	
	Azeem H. Serali	Blacksburg High School
Alternate:	Jake Harmon	Atlee High School
Alternate:	Travis Hundley	Carroll County High School

Honorary Membership - AAAS given to two students.

Adam Bronstein	Yorktown High School
Meredith Bailey	Douglas Freeman High School

Honorary Membership - VAS given to a student.

Jacob Foster Woodberry Forest School

Bethel High School Award--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. Accompanying this scholarship is a rotating plaque to be displayed in the student's school for the next year. This award is based on both the students presentation and paper.

Curtis J. Layton

Cave Spring High School

Frances and Sydney Lewis Environmental Scholarship: A \$14,000 scholarship (\$3,250 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.

Amol K. Tripathi

Governor's School for Gov't &
Int'l Studies

E.C.L. Miller Science Teacher of the Year Award is given to an outstanding science teacher. An all-expense-paid trip to next year's AAAS which will be in Philadelphia.

Gayle Ross

Cave Spring High School.