



Virginia Section
American Chemical Society
Report for the 2016 Chemistry Olympiad



Thirteen (13) schools participated with over 250 students nominated to take either the first year or the second year exam. From the 13 schools, 5 schools were put into the small school category with less than 600 student enrollment which included 2 governor's schools while the remaining large schools with enrollments over 600 competed in both the first and second year competitions. The results for each test are given below:

Exam statistics (not separated by category)	First Year (60 questions)	Second Year (60 questions)
Average	28.9 (48.1%)	24.2 (40.3%)
Standard deviation (raw score out of #)	6	6
Median	29	23
Max	46	54
Min	11	6
Number of Schools participating	8	12
Total Head count students	150	112

At each school, the student with the highest score within each class received a National Olympiad pin. The following students were the highest score from each participating school. Many schools have more than one teacher participating, the highest student score for each teacher is listed. Teachers from each school also received a pin.

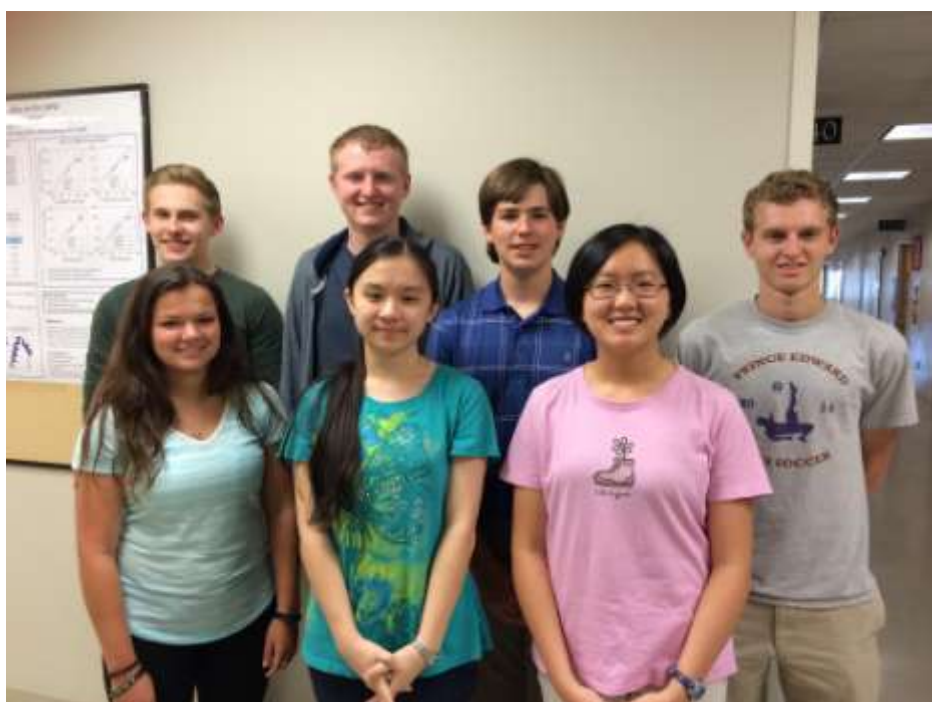
School	First Year	Second Year
Albemarle High School	Melinda P. Hicks (Oliver); Hailey Lorraine Greenstone and Rahim M. Zaman (Peters); Natalie Li (Farabaugh) Erin A. O'Hara (Counterman)	Yu (Emily) Han (Beardsley) Tyler Austin Petrell (Farabaugh)
Harrisonburg High School		Seth Bontrager (Smith)
James River High School	Isabelle G. Anderson (Back); Luke Thomas Varley-Turyman, and Bryce Camden Hall (Edwards)	Eric R. Blosser (Brunyansky)
James W. Robinson Secondary School		Alexander C. Lin (Stromwell)
Jamestown High School		Lehman Montgomery III (Cosby)
Patrick Henry High School	Sarah E. Thornbloom (Buckalew) Evan L. Phaup (Embrey)	Emily Victoria Chase Cannon and Sarah G. Prunty (Embrey)
Prince Edward County High School		Henry Lutz (Lutz)
Prince George High School		Bennett Buetow (Moore)

School	First Year	Second Year
St. Stephen's & St. Agnes' School	John M. Dewhurst (Oakes) and Christopher B. Rainey (Fusina)	James P. Wilusz (Oakes)
The Covenant School	Hanzhi Yang (Jenkins)	
The Governor's School of Southside Virginia at Keysville	Bobbi Joe E. Corwile (Hamilton)	Alena Latysheva and Helen Lin (Poling); Demory M. Williamson (Hamilton)
The Governor's School of Southside Virginia at Alberta	Brendan C. Moseley (Williams)	Mary Preston Reed (Williams)
The Steward School	Christopher Kenneth Frydenborg and Jessica Anne Jordan (Kovach)	Morgan Elizabeth Van Develaar (Kovach)

Over twenty students were invited to fill 11 slots for the National Olympiad exam given on April 23, 2016 at James Madison University in Harrisonburg, Virginia. Linette Watkins and Thomas DeVore sponsored the National Olympiad exam. No more than two students can participate from each school and each student must be a U.S. Citizen or hold a green card to be eligible for the IChO study camp. Of the following students who were nominated, seven students participated in the National Exam.

Yu (Emily) Han*, Emily Zhihua Lin*, Tyler Austin Petrell, Jefferson Bryton Sesler and Ishpreet Singh	Albemarle High School
Eric R. Blosser, Allison Andrews*, Paige M. Kobza and Clara Lloyd Falls	James River High School
Henry M. Lutz*, Colton J. Sheehan*, Kait E. Hosmer and Ratib M. Stwodah	Prince Edward High School
Bennett C. Buetow* and Samuel A. Mellichampe*	Prince George High School
James P. Wilusz and Sterling Gilliam III	St. Stephen's & St Agnes' School

* Students who participated in the National Olympiad Examination.



The students with the three highest scores from all participating schools, separated by category and by test will receive a gift certificate, first place \$50, second place \$25 and third place \$10. Those students who took the National Chemistry Olympiad will also receive a \$50 certificate.

First Year Chemistry Olympiad Local Examination		
Place	Small School and Governor's School Category	Large School and Governor's School Category
First (\$50)	Hanzhi Yang – The Covenant School	Natalie Li – Albemarle High School
Second (\$25)	John M. Dewhurst – St. Stephen's & St. Agnes' School	Elias J. Schweller – Albemarle High School
Third (\$10)	Brendan C. Moseley – The Governor's School of Southside Virginia at Alberta Christopher Kenneth Frydenborg and Jessica Anne Jordan – The Steward School	Aiden S. Hesselroth, Max J. Sun and Derek K. Tao – Albemarle High School
Second Year Chemistry Olympiad Local Examination		
Place	Small School and Governor's School Category	Large School and Governor's Schools Category
First (\$50)	James P. Wilusz – St. Stephen's & St. Agnes' School	Henry Lutz* – Prince Edward County High School
Second (\$25)	Sterling Gilliam III – St. Stephen's & St. Agnes' School	Yu (Emily) Han* – Albemarle High School
Third (\$10)	Demory M. Williamson, Alena Latysheva and Helen Lin - The Governor's School of Southside Virginia at Keysville	Emily Z. Lin* – Albemarle High School

The Team Award is given to the school with the highest combined total for five students separated by category and year. These schools will receive a plaque.

First year Team Award	
Category	School
Small School & Small Governor's School	St. Stephen's & St. Agnes' School
Large School & Large Governor's School	Albemarle High School
Second Year	
Category	School
Small School & Small Governor's School	The Governor's School of Southside Virginia at Keysville
Large School & Large Governor's School	Prince Edward County High School

The School Award is given to the school with the highest overall average, separated by test but not category. The school must have at least 7 participants, the highest and lowest scores will be discarded and the average score determined from the remaining scores.

School Award	School
First Year Exam	James River High School
Second Year Exam	Prince Edward County High School

2016 Chemistry Olympiad Study Camp Students Named

The U.S. National Chemistry Olympiad program is proud to announce the 20 finalists who will attend the Chemistry Olympiad Study Camp, May 31-June 15, 2016, at the University of Mary Washington in Fredericksburg, VA. The students will compete for a spot on the team representing the United States at the 48th International Chemistry Olympiad in Tbilisi, Georgia, July 23-August 1, 2016.

The 20 finalists – thirteen boys and seven girls, representing fifteen ACS Local Sections and ten states – are:

- Miles Dai*, Carmel High School, IN, Indiana Section
- Brian Daniels, Beavercreek High School, OH, Dayton Section
- Lily Ireton, Brighton High School, MI, Detroit Section
- Alex Liu, The Village School, TX, Greater Houston Section
- Steven Liu, Monta Vista High School, CA, Santa Clara Valley Section
- Benjamin Nguyen, Valencia High School, CA, Orange County Section
- Zilu Pan, Canyon Crest Academy, CA, San Diego Section
- Eric Qian, Stevenson High School, IL, Chicago Section
- Jeffrey Shi, Marcellus High School, NY, Central New York Section
- Yusha Sun, A&M Consolidated High School, TX, Texas A&M Section
- Kevin Tang*, Solon High School, OH, Cleveland Section
- Joyce Tian, Thomas Jefferson High School for Science and Technology, VA, Chemical Society of Washington
- Anjali Walia, Irvington High School, CA, California Section
- Anushka Walia*, Irvington High School, CA, California Section
- Harrison Wang, Hinsdale Central High School, IL, Chicago Section
- Shannon Weng, West Windsor Plainsboro High School South, NJ, Princeton Section
- Junyu Yang**, Troy High School, CA, Orange County Section
- Brendan Yap, Carmel High School, IN, Indiana Section
- Allen Zhang, Carmel High School, IN, Indiana Section
- Lillian Zhu, Buchholz High School, FL, Florida Section

* *Students who participated in 2015 USNCO Study Camp*

** *Students who participated in 2014 USNCO Study Camp*

At the Study Camp, students will be mentored by faculty of the Department of Chemistry of the UMW and the following mentors:

- Dr. Kelli Slunt, University of Mary Washington, VA, Head Mentor
- Dr. Patrick Chan, Benjamin N. Cardozo High School, NY, High School Mentor
- Dr. Christine Saber, Gannon University, PA, College Mentor
- Dr. Jacob Sanders, Harvard University, MA, Peer Mentor
- Mr. Sidharth Chand, Harvard University, MA, Peer Mentor

The Virginia Section's Chemistry Olympiad website: <http://virginia.sites.acs.org/chemistryolympiad.htm>
The cost of this activity to the Virginia Section was approximately \$2000.00

I want to thank Joe Pompano for creating the first year exam and Linette Watkins and Thomas DeVore for proctoring the national examination at James Madison University.

Respectively submitted on May 14, 2016

A handwritten signature in black ink, appearing to read 'A. Sullivan'.

Chair, Virginia Section Olympiad Committee,
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