



Virginia Section
American Chemical Society
Report for the 2012 Chemistry Olympiad Committee

I want to thank all of the teachers, the proctors and the students who participated in the 2012 Local Chemistry Olympiad which has had another success this year. Eighteen (18) schools asked to participate with approximately 900 students nominated to take either the first year or the second year exam. From the 18 schools, 2 schools withdrew, 5 schools were put into the small school category with less than 600 student enrollment which included 1 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) 1 question removed	Second Year (60 questions)
Average	30.7 (51.2%)	24.6 (41 %)
Standard deviation (raw score out of #)	8	7
Median	31	24
Max	50	43
Min	9	1
Number of Schools participating	12	12
Total Head count students	351	180

At each school, the student with the highest score within each class received a National Olympiad or Element 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	Laura L. Ungar and Sarah A. Alshawi	Lui Tong
Freedom High School	Christopher Guirguis and Luciano Biondi	Shriya Awasthi*
Harrisonburg High School	Jonathan Ross	Andrea Wood
James River High School	Meredith Jackson, Alexis L. Rogien, Theresa A. Gozzo, and Gregory Winder	
Lafayette High School		Alexander Priest
Kenston Forest School	Clay F. Huff	
Mills E. Godwin High School		Connor O. Brogan*
Monacan High School	Daniel Buckley	Kira L. Glynn
Patrick Henry High School	Amy Dunham, Ethan Oldershaw and Laura Samuels	Rachel Snyder
Prince George High School	Eric D. Maynes	Rachel E. Youmans*
Saint Gertrude High School	Christina Franke	
St. Stephen's & St. Agnes School	Parker R. Lowe and Isabel Dewhurst	Syrena M. Bracey*
The Steward School	Jung H. So	Daniel A. Caldwell
The Governor's School of Southside Virginia	Charlotte Walters	
Waynesboro High School		Tanner Rase*
Woodbridge Senior High School		Andrew Hoskins* and Chelsea Pollak*

*Participated in the 2012 National Chemistry Olympiad Examination

Over eighteen students were invited to fill 12 slots for the National Olympiad exam given on April 21st at J. Sargeant Reynolds Community College in Richmond Virginia. 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, eleven students participated in the National Exam.

Tong Liu*, Yannon Wu, Parker A. Hall, Emily C. Leytham and Hugh J. Sandridge*	Albemarle High School
Shriya Awasthi* and Lloyd Maza	Freedom High School
Alexander Priest	Lafayette High School
Connor O. Brogan*, Jaganna Kadiyala*, Daniel T. Ruwe, Brandon Buncher, and Edward Prescott	Milles E. Godwin High School
Rachel E. Youmans* and Dalton R. Gibbs*	Prince George High School
Syrena M. Bracey*	St. Stephen's & St Agnes' School
Tanner Rase*	Waynesboro High School
Andrew Hoskins* and Chelsea Pollak*	Woodbridge Senior High School

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)	Parker R. Lowe – St. Stephen's & St. Agnes' School	Jonathan Ross – Harrisonburg High School
Second (\$25)	Alison Lindsay – St. Stephen's & St. Agnes' School	Amy Dunham – Patrick Henry High School
Third (\$10)	Isabel Dewhurst – St. Stephen's & St. Agnes' School and Clay F. Huff – Kenston Forest School	Laura L. Ungar – Albemarle High School; Rafael Snell Feikema – Harrisonburg High School; and Meredith Jackson – James River 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)	Syrena M. Bracey* – St. Stephen's & St. Agnes' School	Rachel E. Youmans* – Prince George High School
Second (\$25)	Myrna M. Sidarous and Bridget Thompson – St. Stephen's & St. Agnes' School	Liu Tong* – Albemarle High School
Third (\$10)		Tanner Rase* – Waynesboro High School

The team award has traditionally been given to the school with the three highest scores. Often the highest scores are accompanied by the very lowest scores in the same classroom, but the highest over all averaged score tells us something different about the school and the teachers. Therefore, a new category, **The School Award**, will be 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	St. Stephen's & St. Agnes' School
Second Year Exam	Woodbridge Senior High School

Team Awards are given to the school having the highest combined total for three students separated by category and year. These schools will be invited to attend the December Meeting of the Virginia Section and will receive a plaque to show they won the team award.

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	St. Stephen's & St. Agnes' School
Large School & Large Governor's School	Harrisonburg High School

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

Respectively submitted on May 18, 2012

Ann Sullivan

Chair, Virginia Section Olympiad Committee, asullivan@reynolds.edu