



Virginia Section American Chemical Society

Report for the 2015 Chemistry Olympiad

Fourteen (14) schools asked to participate with over 300 students were nominated to take either the first year or the second year exam. From the 14 schools, 6 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)	Second Year (60 questions)
Average	27.6 (45.9%)	25.7 (42.8%)
Standard deviation (raw score out of #)	7	6
Median	27	25
Max	48	51
Min	11	13
Number of Schools participating	11	13
Total Head count students	169	132

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
Academy of Science Loudoun County		Kim Grant (Tomlinson)
Albemarle High School	Chloe Naman Erdley (Oliver); Lucas Gluba (Peters); Ishpreet Singh (Farabaugh)	Will Knospe (Farabaugh)
Clover Hill High School	Dillon Forte (Ramsdell); Rahim Hassan (Tuskey) and Emma Mayes (Lloyd)	Mansoor Syed (Klein)
Collegiate School	Mohith Dhillon (Fourness) and Ashley Eastep (Hottmann)	John Schmohl and William Parker Johnson (Fourness)
Harrisonburg High School		Karan Chalishajar (Smith)
James River High School	William Wynne (Back); and Keegan Strasser (Edwards)	Jordan Moghanaki (Brunyansky)
Patrick Henry High School	Kieffer Gilman-Strickland (Buckalew) Sarah Prunty and Collin Sylvia (Embrey)	Chris Blackburn and Cassi Robertson (Embrey)
Prince Edward County High School	Henry Lutz (Lutz)	Jasmin Simpkins (Lutz)
Prince George High School	Bennett Buetow (Moore)	Justin Tyson (Moore)
St. Stephen's & St. Agnes School	Nicole Bolton (Fusina); Sterling Gilliam (Oakes); and James Wilusz (Chan)	Eric Karsten (Oakes)
The Covenant School	Xinyi Carina Cai and Shanhui Zhu (Jenkins)	Zixuan "Catherine" Qin (Jenkins)
The Governor's School of Southside Virginia at Alberta	Madison Gilmore (Williams)	
The Steward School	Morgan Van Davelaar (Kovach)	Yatina Yang and Tracy Xu (Kovach)
Western Albemarle High School		Lillian Xu (Stutzman)

Over twenty students were invited to fill 11 slots for the National Olympiad exam given on April 19, 2015 at James Madison University in Harrisonburg, Virginia. Linette Watkins and Thomas DeVore sponsored the National Olympiad exam this year. 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, twelve students participated in the National Exam.

Grant Kim* and Gadi Licht*	Academy of Science Loudoun County High School
Will Knospe* and Isabella Yellman as Alternate	Albemarle High School
Mansoor Syed and Sarah Steele*	Clover Hill High School
John Schmohl [†] , William Parker Johnson* and alternate Jack Cole	Collegiate School
Karan Chalishajar*	Harrisonburg High School
Justin Tyson*	Prince George High School
Eric Karsten* and Samantha Archer* with alternate Ian Thompson	St. Stephen's & St Agnes' School
Yatina Yang and Tracy Xu	The Steward School
Lillian Xu*	Western Albemarle High School

* Students who participated in the National Olympiad Examination.

[†] Student was unable to participate due to sudden illness

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.

Place	First Year Chemistry Olympiad Local Examination	
	Small School and Governor's School Category	Large School and Governor's School Category
First (\$50)	Madison Gilmore – The Governor's School of Southside Virginia at Alberta	Henry Lutz – Prince Edward County High School
Second (\$25)	Mohith Dhillon – Collgiate School	Ishpreet Singh – Albemarle High School
Third (\$10)	Sam Roberts – Collgiate School	Christian Kinzer – Prince Edward High School
Place	Second Year Chemistry Olympiad Local Examination	
	Small School and Governor's School Category	Large School and Governor's Schools Category
First (\$50)	Eric Karsten* – St. Stephen's & St. Agnes' School	Lillian Xu* – Western Albemarle High School
Second (\$25)	William Parker Johnson* and John Schmohl* - Collegiate School	Mansoor Syed –Clover Hill High School and Kim Grant* - Academy of Science Loudoun County
Third (\$10)	None awarded	

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	Prince George High School
Second Year Exam	Collegiate School

The Team Award is given to the school with the five highest scores. Team Awards are given to the school having the highest combined total for three 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	Collegiate School
Large School & Large Governor's School	Prince Edward County 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 \$3000.00

I want to thank Joe Pompano for creating the first year exam and Kevin Moore for helping to communicate with the Chemistry teachers in the Virginia Local Section. Of course, I also want to thank Linette Watkins and Thomas DeVore for proctoring the national examination at James Madison University.

Respectively submitted on May 15, 2015

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