



Virginia Section American Chemical Society

Report for the 2014 Chemistry Olympiad

Seventeen (17) schools asked to participate with over 600 students were nominated to take either the first year or the second year exam. From the 17 schools, 1 school withdrew, 3 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	29.7 (49.5%)	30.1 (50.1%)
Standard deviation (raw score out of #)	8	7
Median	30	30
Max	50	57
Min	13	14
Number of Schools participating	11	11
Total Head count students	297	139

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		Keithen Orson (Tomlinson)
Albemarle High School	Nathaniel Saxe (Oliver); Maggy Comberg (Peters); Sesler Braxton(Gearhart)	Quinn Legallo-Malone (Gearhart)
Clover Hill High School	Robert Gunter, Jr. (Ramsdell); and Gabrielle Jones (Lloyd)	Mansoor Syed (Klein)
Harrisonburg High School	Daniel Roth(Smith)	Julie Raab (Smith)
James River High School	Katie Swenson and Jenna Wilkey (Brunyansky); Kaylyn Wertz and Nick Burns (Back); and Maybelline Calles (Edwards)	Matthew Guyer (Brunyansky)
Monacan High School	Bowen Schechter and Abigail Staub (Anzelone) and Taylor Rice (Rice)	
Patrick Henry High School	Emily Cannon and Cassandra Robertson (Buckalew) and Evan Typanski (Embrey)	Amy Dunham (Embrey)
Prince George High School	Nicholas Tritschler (Moore); Whitney Sherrick (Brooks); and Tyneshia Griffen (Winterson)	Trey West (Moore)
St. Stephen's & St. Agnes School	Eric Karsten (Fusina); Helen Cunningham (Oakes); and Caroline Curran (Chan)	Rice H. Tyler (Oakes)
The Covenant School	Yuxuan Dai (Jenkins)	
The Governor's School of Southside Virginia at Alberta	Joel Wilson (Williams)	
The Steward School	Daniel Eakin (Kovach)	Daniel Kovach (Kovach)
Waynesboro High School		Riley Stevens (Konizer)
Western Albemarle High School		Lillian Xu (Stutzman)

Over twenty students were invited to fill 12 slots for the National Olympiad exam given on April 26, 2014 at 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, twelve students participated in the National Exam.

Quinn Legallo-Malone* and Sarah Alshawi with Alternate Jacob Beiter and Andreas Ravichandran	Albemarle High School
Mansoor Syed* and Evan Washington* with alternate Theodore Lutge and Bryce Badura	Clover Hill High School
Julie Raab and alternate Michael Walton*	Harrisonburg High School
Matthew Guyer* and Jonathan Hostetler* with alternates John Solari, Emily Branch and Paul Armstrong	James River High School
Amy Dunham*	Patrick Henry High School
Trey West and Gwen Dunn	Prince George High School
Tyler H. Rice* and alternates Wallace Burnette and Khalil Hoque	St. Stephen's & St Agnes' School
Daniel Kovach* and Adam Mickle* with alternates Kristen Cashwell and Joshua Zhou	The Steward School
Riley Stevens*	Waynesboro High School
Lillian Xu*	Western Albemarle High 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.

Place	First Year Chemistry Olympiad Local Examination	
	Small School and Governor's School Category	Large School and Governor's School Category
First (\$50)	Eric Karsten and Helen Cunningham – St. Stephen's & St. Agnes' School and Yuxuan Dai – The Covenant School (Tie)	Braxton Sesler – Albemarle High School
Second (\$25)	Joel Wilson – The Governor's School of Southside Virginia at Alberta	Nicholas Tritschler – Prince George High School
Third (\$10)		Daniel Roth – Harrisonburg 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)	Daniel Kovach* – The Steward School	Lillian Xu* – Western Albemarle High School
Second (\$25)	Keithen Orson – Academy of Science Loudoun County Schools	Quinn Legallo-Malone* – Albemarle High School
Third (\$10)	Rice H. Tyler* – St. Stephen's & St. Agnes' School	Matthew Guyer* – James River 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	The Covenant School
Second Year Exam	Albemarle High 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	The Covenant School
Large School & Large Governor's School	Albemarle High School

Second Year Category	School
Small School & Small Governor's School	The Steward School
Large School & Large Governor's School	Albemarle 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

Respectively submitted on May 5, 2014

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