

Pittsburgh Section of the American Chemical Society

and the

Society for Analytical Chemists of Pittsburgh



2013 Annual Awards Dinner



Power Center Ballroom
Duquesne University

Monday, May 20, 2013

Officers

Pittsburgh Section of the American Chemical Society



Chair..... Jay Auses
Chair-elect..... Artrease Spann
Secretary..... Evonne Baldauff
Treasurer..... Amy Rupert
Secondary School Chemistry Contest Committee..... Paul Johnson
National Chemistry Olympiad..... Michelle Coffman

Society for Analytical Chemists of Pittsburgh



Acting Chair..... John A. Varine
Chair-elect..... Heather Juzwa
Secretary..... Melinda R. Stephens
Treasurer..... Elias S. Absey
Immediate Former Chair..... Fu-Tyan Lin
Awards Dinner Committee
Co-Chairs..... Julie & Robert Theys
Chair-elect..... Rita Windisch

Special Thanks to the following for their assistance in making 2013 Awards Dinner a successful evening:

Roy Backer
Virginia Naylor
Richard Obrycki

Melissa Visnikar
Stephanie Wetzel

Administrative Assistant..... Valarie Daugherty

Program



Photos will be taken of the Award Recipients after they have received their award as they come off of the podium. Pictures will be available to download on the SACP website. An email with the link and password will be sent to the recipients when photos are available.



All non-college student award winners will receive a complimentary one-year subscription to Chem Matters courtesy of the SACP and ACS. The applications are available at the Registration desk.

Invocation..... Jay Auses

Introduction:

Society for Analytical Chemist of Pittsburgh..... John Varine

Pittsburgh Section of the American Chemical Society Chair.....

..... Jay Auses

Presentations of Awards:

ACS AWARDS:

50-Year and 60 Year ACS Membership Awards

ACS Award of Appreciation

PJAS Student Awards

PJAS Elementary Chemistry Award

Pittsburgh Section Chapters of ACS Student Affiliates

Pittsburgh Regional School Science and Engineering Fair

U.S. National Chemistry Olympiad

Chemistry Contest

Gay Harlow ACS College Chemistry Scholarship

Local Section Outreach Volunteer of the Year

WCC Award for Encouraging Women into the Chemical Sciences

WCC Award for Excellence in the Chemical Sciences

SACP AWARDS:

Science Outreach..... Dean Tzeng

Scholarship and Grants..... Singh Manocha

Chair's Award..... John Varine

50 Year Membership Award..... John Varine

Science Outreach

PJAS Teacher Awards

PJAS Student Awards

Pittsburgh Regional School Science and Engineering Fair

SACP High School and Middle School Science Essay Contest

West Liberty University Regional Science Fair

Scholarship and Grants

College Chemistry Awards

Starter Grant

Undergraduate Analytical Research Program (UARP) Grant

College Chemistry Scholarships

Closing Remarks and SACP Election Results

Pittsburgh Section of the American Chemical Society



AWARDS

50-Year and 60-Year Membership Awards

Each year the American Chemical Society honors those individuals who have achieved 50 and 60 years of continuous membership. Each 50-year and 60-year member receives a certificate and badge for admission to any National ACS Meeting.

The following 15 Members of the Pittsburgh Section celebrate 50 years of membership in the American Chemical Society during 2013:

Dr. Bennett Boffardi	Dr. Hubert MacDonald
Dr. Ralph Carabetta	Mr. Robert Malinic
Dr. Carolyn Connelly	Dr. Ricahrd Ode
Dr. Thomas Crumm	Dr. Harold Swift
Mr. John Frink	Dr. Donald Willson
Dr. Gerst Gibbon	Mr. Donald Wind
Dr. Richard Kolaczowski	Dr. Rita Windisch
Mr. William Kratz	

The following 7 Members of the Pittsburgh Section celebrate 60 years of membership in the American Chemical Society during 2013:

Dr. Kenneth Dishart	Mr. Samuel Vance
Dr. Flynt Kennedy	Mr. Frank Vancheri
Mr. Robert Maxwell	Dr. Donald Wyman
Dr. Omar Steward	

The newly named Fifty-Year and Sixty-Year Members will be honored at the Pittsburgh Chemists Club meeting on Tuesday, May 28, 2013.

ACS Award of Appreciation

ACS Committee on International Activities presented an Award of Appreciation to Richard S. Danchik, Ph.D. for outstanding teamwork and contribution to International Scientific Collaboration and Exchange at the Spring 2013 ACS National Meeting in New Orleans.

ACS PJAS Student Awards

The Pennsylvania Junior Academy of Science (PJAS) 79th Annual Region 7 competition was held on Saturday, February 9, 2013 at Baldwin High School. A panel of ACS professionals judged the high school chemistry and biochemistry event. Each winner received the Dr. James Manner plaque from the Pittsburgh Section of the ACS titled "Outstanding Achievement in Chemistry and Biochemistry" and a check for \$100.

Student	Teacher
Emily Pelesky.....	Elizabeth Fadgen
	<i>Keystone Oaks High School</i>
Jocey Ostrowski.....	Marion Carson
	<i>Riverview Jr.-Sr. High School</i>
Zane Stiles.....	Mark Krolec
	<i>Central Catholic High School</i>
Arthini Pulenthiran.....	Richard Sunny
	<i>Franklin Regional Sr. High School</i>
Megan Wasson.....	Mrs. Benedik
	<i>Oakland Catholic</i>

PJAS Elementary Science Awards

Student	Teacher
Ayan Sinha.....	
	<i>Dorseyville Middle School</i>
Clara Osburg.....	Bryan Seybert
	<i>Aquinas Academy</i>
Vandama George.....	Dr. Kissinger
	<i>Pittsburgh Colfax K-8</i>
Maria Arlia.....	Charlotte Leibach
	<i>St. Teresa of Avila</i>
Ayden Owens.....	
	<i>St. Sebastian</i>
Erin Halligan.....	Linda Cessar
	<i>Providence Heights Alpha School</i>
Jack Farrell.....	Cheryl Kestner
	<i>Mary Queen of Apostles</i>
Jahn timer Kurukulasuriya.....	Carole Wojciedrewski
	<i>Carlow Campus School</i>
Caroline Maltese.....	Rita Turchetta
	<i>St. Mary of Assumption</i>
Andrew Walker.....	Charlotte Leibach
	<i>St. Teresa of Avila</i>

Awards to Pittsburgh Section Chapters of the Student Affiliates of the ACS

Outstanding Award

Duquesne University	Saint Francis University
University of Pittsburgh	Waynesburg University

Commendable Award

Carlow University	Saint Vincent College
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Honorable Mention

Indiana University of Pennsylvania

Green Chemistry

Carlow University	University of Pittsburgh
Saint Francis University	

Pittsburgh Regional School Science and Engineering Fair

At the 74th Pittsburgh Regional Science and Engineering Fair held on Friday, April 5, 2013 at Heinz Field, the Pittsburgh Section of the American Chemical Society presented two awards in the field of Chemistry.

Senior Awards

Student	Teacher
Jen Cashman	Keith Compeggie
Peters Township High School "Analysis of Caffeine in Coffee"	
Jonathan Mulick	Margaret Evans
Bishop Canevin High School "Nanotubes in Dye-Sensitized Solar Cells"	

Intermediate Award

Andrea Arturo	Carole Wojciechowski
The Campus School of Carlow University "Do Acidic Foods Cause Aluminum to Leach to Them"	

ACS Pittsburgh Section Nominees to The United States National Chemistry Olympiad

The Pittsburgh Section of the American Chemical Society has sponsored a program to select nominees to the United States Olympiad for the last thirty years. Each participating high school could nominate two students who then wrote the Pittsburgh Section's Annual Chemistry Contest exam for second-year students of chemistry. The test results were then used to select students who took the National ACS Olympiad Exam at Duquesne University on April 13, 2013. From the National Exam, twenty students are invited to a Study Camp in June at the U.S. Air Force Academy in Colorado. This year, Derek Wang of North Allegheny High School will be attending the Study Camp. The top four students at the study camp will travel to Moscow, Russia in July to compete in the International Chemistry Olympiad (IChO).

In the past, the Pittsburgh Section of the ACS has had many students attend the Study Camp as well as participate in the final International Chemistry Olympiad. Zhe Lu of Gateway High School in 2000, Jongjin Kim of North Allegheny High School in 2004, and Konstantin Borisov of North Allegheny High School in 2011 who was part of the USA Olympiad team that went to Ankara, Turkey and won a gold medal. For 2013 the Pittsburgh Section selected nominees who wrote the National Exam. The following nominees and their teachers are now being recognized for participating in the National Exam program at this SACP/ACS Awards dinner ceremony.

STUDENT	TEACHER
Joseph T. Gamber	Joanne Hervol
<i>Hempfield Area High School</i>	
Julia Granito	Martina Pavelko
<i>The Ellis School</i>	
James Joseph Havko	Christina Frank
<i>Montour High School</i>	
Daniel A. Henderson	Helen Loughner
<i>Penn-Trafford High School</i>	
Tyler S. Holben	Timothy Chelednik
<i>Brockway Area Jr/Sr High School</i>	
Tyler Stephen Jenkins	Frederick Ebert
<i>North Hills Senior High School</i>	
Gregory John Lowry	Christina Frank
<i>Montour High School</i>	
Jordan J. Olivio	Timothy Chelednik
<i>Brockway Area Jr/Sr High School</i>	
Kush K. Patel	Joanne Hervol
<i>Hempfield Area High School</i>	
Francesca J. Ponziani	Helen Loughner
<i>Penn-Trafford High School</i>	
Rohan C. Shah	Timothy Lattanzio
<i>Gateway High School</i>	
Carol Y. Wang	Matthew Davis
<i>North Allegheny Senior High School</i>	
Derek S. Wang	Matthew Davis
<i>North Allegheny Senior High School</i>	

2013 Chemistry Contest

Each year since 1945, the Pittsburgh Section of the American Chemical Society has sponsored a contest for secondary schools to recognize outstanding achievement by the students and their teachers as well as encouraging interest in chemistry among school students. The contest recognizes three categories: first-year students in large schools, first-year students in small schools, and second-year students. The contest is also used to qualify students interested in participating in the International Chemistry Olympics and to identify students for scholarships. This year 152 students from 25 schools competed for prizes and scholarships. First place in each category is awarded \$250, second place \$150, and third place \$100.

Pittsburgh Section, American Chemical Society 2013 Secondary School Chemistry Contest Winners

PRIZE	STUDENT	SCHOOL	TEACHER
<u>Category S - First Year Chemistry, Large Schools</u>			
First	Erik Sargent	Mount Lebanon High School	Susan Meer
Second	Ian Harris	Mount Lebanon High School	Susan Meer
Third	Emma Buerger	Mount Lebanon High School	Susan Meer
Third	Nancy Lu	Mount Lebanon High School	Mark Kernion
Third	Alexandria Taylor	Montour High School	Tina Frank
<u>Category S - First Year Chemistry, Small Schools</u>			
First	Roy Navid	Shady Side Academy	Stephanie Montemurro
Second	Dylan Grosz	Sewickley Academy	Susan Zawacky
Third	Janelle Sands	Sewickley academy	Susan Zawacky
Third	Tanvi Rana	Sewickley Academy	Susan Zawacky
Third	Zijing Li	The Ellis School	Martina Pavelko
<u>Category D - Second Year Chemistry</u>			
First	Derek Wang	North Allegheny High School	Matthew Davis
Second	Charles Yuan	Mount Lebanon High School	Mark Kernion
Third	Rohan Shah	Gateway High School	Tim Lattanzio

Gay Harlowe ACS College Chemistry Scholarship

This one time award consists of a renewable two-year scholarship of \$5,000 (\$2,500 per year for 2 years). The award is granted on the basis of performance on the ACS Secondary School Chemistry Contest and intent to pursue studies in Chemistry. This award is made possible through a generous donation by Gay Harlowe, a graduate of Beaver High School, who herself had received an ACS Scholarship in 1958.

Student	Teacher
Benjamin Gibbs	Matthew Davis
<i>North Allegheny Senior High School</i>	

Local Section Outreach Volunteer of the Year

In an effort to recognize the immeasurable outreach efforts made by local section volunteers, the Committee of Community Activities (CCA) of the American Chemical Society has established this recognition program. This award serves as recognition of an individual who has demonstrated extraordinary outreach volunteer service to the local section.

2012-2013 Recipient: James A. Manner, Ph.D.

WCC Award for Encouraging Women into the Chemical Sciences

This award, from the Women Chemists Committee of the ACS Pittsburgh Section, recognizes significant accomplishments by individuals, male or female, who have stimulated or fostered the interest of women in chemistry, promoting their professional developments as chemists or chemical engineers.

2012-2013 Recipient: Beth L. Kiroi

WCC Award for Excellence in the Chemical Sciences

This award, from the Women Chemists Committee of the ACS Pittsburgh Section, recognizes the achievements of female chemists and chemical engineers in the greater Pittsburgh area who have a record of accomplishment in their field.

2012-2013 Recipient: Rita M. Windisch, Ph.D.

Society for Analytical Chemists of Pittsburgh



AWARDS



SCIENCE OUTREACH

Pennsylvania Junior Academy of Science

TEACHER AWARD

The SACP sponsors two Teacher Awards annually to an outstanding junior (grade 7-8) and senior (grade 9-12) high school teacher in the Pittsburgh area. Criteria used by the selection committee of the SACP are based on the number of first and second prize winning students sponsored by the teacher over the previous three Region 7 Pennsylvania Junior Academy of Sciences (PJAS) Meetings. Emphasis is placed on teachers who sponsor chemistry and chemistry related projects. The awards consist of a \$500 award and a plaque. This year's awards will be presented to the following teachers:

Grades 7-8 Carole Wojciechowski.....The Campus School of Carlow University
Grades 9-12 Loraine Benedik.....Oakland Catholic High School

STUDENT AWARDS

The SACP sponsors six annual awards to students presenting excellent chemistry or chemistry-related projects at the Region 7 meeting of the PJAS. An award is presented to the student in each of grades 7 through 12 receiving the highest score for their project. The Awards consist of a \$300 grant to defray the cost of attending the statewide PJAS meeting.

STUDENT	TEACHER
Emma Burnett (7 th Grade)..... <i>The Ellis School</i>	Kim Mechling
Anthony Pampena (8 th Grade)..... <i>St. Thomas More School</i>	Cathy Borecky
Arthini Pulenthiran (9 th Grade)..... <i>Franklin Regional High School</i>	Richard Sunny
Victor Mao (10 th Grade)..... <i>North Allegheny High School</i>	Bruce Allen
Benjamin Stern (11 th Grade)..... <i>Pittsburgh Alderdice High School</i>	Heather Foster
Adam Dando (12 th Grade)..... <i>Franklin Regional High School</i>	Richard Sunny

Pittsburgh Regional School Science and Engineering Fair (Carnegie Science Fair at Heinz Field)

This year marks the 74th anniversary of the Science Fair. The SACP as a professional society is a sponsor of the Fair and grants six special cash awards. The selection of winners is based on originality, creativity, and organization as applied to the composition and structure of matter. Special emphasis is placed on general science at the junior high level and analytical chemistry at the senior high level.

Senior Division

Student	Teacher
Gaurav Bhushan..... <i>Upper St. Clair High School</i> "The Saturation of Cooking Oil v. Hydrophobic Nature and Water's Surface"	Colin Syme
Jonathan Mulick..... <i>Bishop Canevin High School</i> "Nanotubes in Dye Sensitized Solar Cells"	Peggy Evans

Intermediate/Middle Division

Student	Teacher
Samer Annamraju..... <i>Shadyside Academy Middle School</i> "Acid Rain's Effects on Houses"	Matthew Brunner
Sydney Hagmann..... <i>Sacred Heart Elementary School</i> "Taste the Rainbow"	Windelin Rickard

Junior Division

Student	Teacher
Noah Black..... <i>Sacred Heart Elementary School</i> "Particle Pollution Patrol"	Windelin Rickard
Adelle Fernando..... <i>Ingomar Middle School</i> "Using Robots to Send Alerts on Sudden Cardiac Failures"	Sarah LeDonne

SACP High School and Middle School Science Essay Contest

Each year the SACP sponsors an essay competition in which students in the tri-state area are asked to write an essay of no more than 325 words on a specific topic in science. This year's topics were: "**Select a recyclable material. Evaluate the material in terms of risks and benefits. Cite at least 5 scholarly references in MLA format.**" (High School) and "**What is one of your favorite science activities in terms of enjoyment and what you learned? Explain why.**" (Middle School). The High School and Middle School Essays were each judged by a committee of ten SACP members on the basis of content, creativity, composition, and adherence to the rules of the contest. Only two entries were permitted from each school. Thirteen essays in each category were selected for monetary awards (three top awards and ten honorable mentions). The first, second and third place winners are:

High School First Place Award Winner **Teacher**
Rishi Mirchandani Heather Skillen
Fox Chapel Area High School

High School Second Place Award Winner **Teacher**
Jessica Peng Jana Joseph
Moon Area High School

High School Third Place Award Winner **Teacher**
Kylea Mongold Rebecca Miller
James Buchanan High School

Middle School First Place Award Winner **Teacher**
Julia Maraca Susan Clark
Marshall Middle School

Middle School Second Place Award Winner **Teacher**
Olivia Heasley Mary Wright
Villa Maria Elementary School

Middle School Third Place Award Winner **Teacher**
Rohan Chalasani Peter Pinko
Dorseyville Middle School

West Liberty University Regional Science Fair

The West Liberty University Regional Science Fair has provided mathematics and science students in grades 6 through 12 an opportunity to present the results of their scientific efforts for 55 years. The fair includes students from public and private schools in Hancock, Brooke, Ohio, Marshall, and Wetzel counties in West Virginia and Jefferson and Belmont counties in Ohio. This Fair, like the Carnegie Science Fair, sends grand prize winners to the International Fair.

Junior Division Winner **Teacher**
Lexie Kosanovic Ms. Kimberly Burge

St. Michael Parish School

"Nuts! A Study of High Caloric Output Foods"
"Which Salt Melts Ice Fastest"



SCHOLARSHIPS AND GRANTS

College Chemistry Awards

The SACP has honored outstanding students in Chemistry in the tri-state region since 1961 with its College Awards program. Twenty-eight students and colleges will be recognized this year. Each recipient will be presented with a check for \$500 and a certificate. The college library fund will receive a check for \$300 and a commemorative plate with the student's name. The Chemistry Department will receive an engraved name plate to add to the plaque recognizing prior SACP award winners. We are proud of the successful careers of those who have received this award in the past and wish our award recipients good luck in their future endeavors.

School	Award Recipient
University of Akron.....	Elizabeth M. Crookston
Allegheny College.....	Jeremy D. Mason
California University of PA.....	Ashlyn Koval
Carlow University.....	Taylor Sirko
Carnegie-Mellon University.....	Amer Al-khouja
Clarion University of PA.....	Melanie Marlett
Duquesne University.....	Justin Wendzicki
Edinboro University of PA.....	Tricia M. Hoffman
Gannon University.....	Erica Jordan Rider
Geneva College.....	Cally Cooper
Gettysburg College.....	Gabrielle Pros
Grove City College.....	James Michael Alburger
Indiana University of PA.....	Rebecca Beadling
Pennsylvania State University.....	Andrew D. Hanlon
University of Pittsburgh.....	Jonathan C. Weisberg
Saint Francis University.....	Trina Perrone
Saint Vincent College.....	Elizabeth Wieber
Seton Hill University.....	BreAnne DeMarco
Shippensburg University of PA.....	Jacob Lutter
Slippery Rock University of PA.....	David J. Rummell
Thiel College.....	Ryan S. Pepper
Washington & Jefferson College.....	Carrie Milliken
Waynesburg University.....	Adam Roberge
Westminster College.....	Katherine I. Farley
West Virginia University.....	Thomas Patrick Neis
West Virginia Wesleyan College.....	Kindra Whitlatch
Wheeling Jesuit University.....	Rebecca A. Haley
Youngstown State University.....	Eric Kennehan

Starter Grant

This year marks the presentation of the 35th Annual Analytical Chemistry Starter Grant Award sponsored by the SACP. The purpose for this \$40,000 grant is to encourage high-quality innovative research and to promote the training and development of graduate students in the field of analytical chemistry. Eligible applicants are assistant professors who have demonstrated a financial need, proposed research of considerable scientific merit with the likelihood of making a significant positive impact on both graduate students and the field of analytical chemistry, and accepted college or university appointments after December 31, 2010.

Award Recipient	School
Stephen J. Valentine.....	West Virginia University

“Developing Hybrid IMS/OMS-MS Instrumentation for Characterization of Structural Transformation of Gas-Phase Biomolecular Conformations”

Undergraduate Analytical Research Program (UARP) Grant Twelfth Annual Award

The Society for Analytical Chemists of Pittsburgh (SACP) has established an annual grant of up to \$10,000 (1) to promote high-quality, innovative, undergraduate research in the field of Analytical Chemistry and (2) to train and develop the research abilities of undergraduate students in the field of analytical chemistry. Chemistry faculty at U.S. colleges and universities not having a graduate program in the chemical sciences were eligible to apply.

Award Recipient	School
Barbara Belmont, Ph.D.....	California State University, Dominguez Hills

“Undergraduate Access to Analytical Chemistry Research”

SACP College Chemistry Scholarships

These awards consist of renewable, four year scholarships, one \$20,000 scholarship (\$5,000 per year for 4 years) and two \$12,000 scholarships (\$3,000 per year for 4 years). The awards are granted after a thorough evaluation of the students' high school academic records, written essay, and performance on the SAT and the Annual ACS Secondary School Chemistry Contest. It is the SACP's intent to promote the interest of the students toward a career in Chemistry, or a related field.

Student (\$20,000 Scholarship) **Teacher**
Carol Wang Matthew Davis
North Allegheny Senior High School

Student (\$12,000 Scholarship) **Teacher**
Lily Zhang Matthew Davis
North Allegheny Senior High School

Student (\$12,000 Scholarship) **Teacher**
Erik Liu Matthew Davis
North Allegheny Senior High School

SACP 50 Years Member

Bruce D. Martin

SACP Chair's Award for 2013

The SACP Chair's Award is made for outstanding and continued contributions toward the goals and mission of the society. Each recipient receives a recognition plaque. In addition, the SACP will make a \$1500 donation in honor of the recipient who supports the Society's mission. The first Chair's Award was presented in 2000.

Closing Remarks and SACP Election Results



Menu

Cream of Broccoli Soup

Tossed Salad

Parmesan Crusted Chicken Breast

Twice Baked Potato

Vegetable Medley

Fudge Brownie Ice Cream Sundae

Coffee Tea Food Tea

