

# **Susquehanna Valley Section American Chemical Society**

## **Annual Education Awards Banquet**



**Pine Barn Inn  
Danville, Pennsylvania**

May 3, 2017

5:30 p.m.

## PROGRAM

- I. Welcome and Introductions** ..... *Dr. Bill Dougherty*
- II. 50/60-Year ACS members** ..... *Dr. Bill Dougherty*  
DR. WAYNE FELTY 50 year member  
DR. PAUL HARADEM 50 year member  
MR. JAMES POECHMANN 50 year member  
DR. RAYMOND BORKOWSKI 60 year member  
MR. DELBERT CRAGLE 60 year member  
DR. OWEN FAUT 60 year member  
MS. JANET KOHLER 60 year member
- III. Joseph Priestley Service Award** ..... *Dr. Bill Dougherty*  
DR. GENEIVE HENRY Susquehanna University
- IV. Ron Blatchley High School Chemistry Teacher of the Year Award**.....*Mr. Ronald Blatchley*  
MS. MICHELLE TONKIN Honesdale High School
- V. National Chemistry Week Award** ..... *Mr. Patrick Martino*  
ALEXIS FREY Salladasburg Elementary School  
KARINA ARMETTA Honesdale High School
- VI. David H. Frederick Memorial Awards in High School Chemistry** ..... *Dr. Charles Mahler*

### EXAM A RUNNERS-UP

PATRICK MCCOOL	Old Forge High School
ABIGAIL WATSON	Teacher – Mrs. Adrianna Rupprecht Jersey Shore Area High School
EMMA NAGLE	Teacher – Mr. Alex Hunter Jersey Shore Area High School
SEAN BUSH	Teacher – Mr. William Ferguson Williamsport Area High School
DAMIEN REESE	Teacher – Mr. Andrew Paulhamus Williamsport Area High School
DOMINIC HORN	Teacher – Mr. Andrew Paulhamus Williamsport Area High School
CHRISTOPHER BOWER	Teacher – Mr. Chase Smith South Williamsport Area Jr/Sr High School
RHIANNON NEWCOMER	Teacher – Mr. Matthew Eisley South Williamsport Area Jr/Sr High School
NATALIE ZEGLEN	Teacher – Mr. Matthew Eisley Honesdale High School
JOSHUA KLINGER	Teacher – Ms. Michelle Tonkin Selinsgrove High School
EVAN LONG	Teacher – Ms. Tracy Hepner Bloomsburg Area High School
FREDRICK MEJIA	Teacher – Mr. Todd Davis MMI Preparatory School Teacher – Mr. Todd Ronco

### EXAM A WINNERS

NICHOLAS JACOBSON	Lewisburg Area High School
EVAN STUTZMAN	Teacher – Ms. Angela Gockley Hughesville High School
JACK LEIGHTCAP	Teacher – Mr. John Tamblin Abington Heights High School
BRADY WHILDIN	Teacher – Ms. Carolyn Siwak Marian Catholic High School
ISABELLA SALCI	Teacher – Mr. Robert Valente Hanover Area Jr/Sr High School Teacher – Dr. Jocelyn Holodick-Reed

### EXAM B RUNNERS-UP

CHRISTOPHER TIMBLIN	Shikellamy High School
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JUSTIN KELLER	Teacher – Ms. Yvonne Monahan Sunbury Christian Academy
MEGAN DILLON	Teacher – Ms. Heather Keller Scranton Preparatory School
ROBERT BUTWIN	Teacher – Mrs. Jane Nagurney Wyoming Area High School
ABIGAIL RAUP	Teacher – Mr. Gordon Williams Danville Senior High School
	Teacher – Ms. Deborah Slattery

**EXAM B WINNERS**

ZANE PATTERSON	Mifflinburg Area High School
CALLISTA DYER	Teacher – Mr. Brian Landis Milton Area High School
TYLER LEESER	Teacher – Ms. Faye Hinson-Santos Milton Area High School
	Teacher – Ms. Faye Hinson-Santos

**VII. Chemistry Olympiad Competitors ..... *Dr. Deanne Garver***

JONATHAN ROSS	Abington Heights High School
SPENCER GILBERT	Teacher – Ms. Carolyn Siwak Abington Heights High School
ABIGAIL PAUL	Teacher – Ms. Carolyn Siwak MMI Preparatory School
DOMENICK VENDER	Teacher – Mr. Todd Runco Honesdale High School
ANDREW MURPHY	Teacher – Ms. Michelle Tonkin Honesdale High School
BENJAMIN LIN	Teacher – Ms. Michelle Tonkin Lewisburg High School
	Teacher – Ms. Angela Gockley

**VIII. College Award Winners..... *Dr. Ernie Trujillo***

TYLER BEHRENT	Bloomsburg University
OLIVIA FRY	
ROSS PIRNIE	Bucknell University
RYAN ACOCELLA	King’s College
SERENA SMOKER	Lycoming College
ALEXANDRA WAGNER	Misericordia University
COREY GALLIS	University of Scranton
MEGAN WRIGHT	Susquehanna University
JARRET COLVIN	Wilkes University
DAVID HONTZ	

## IX. "Joseph Priestley, Chemistry and Controversy"

Dr. Dee Casteel, *Bucknell University*

Joseph Priestley is best remembered for his pioneering work in chemistry and in particular for the discovery of oxygen. Priestley's intellectual interests were wide-ranging, however, and he wrote and discussed topics far outside of science; he was a prolific theologian, an innovative educator, and a political philosopher as well as a chemist. Priestley shares credit for the discovery of oxygen with the Antoine Lavoisier from France and Carl Wilhelm Scheele from Sweden, who all carried out and reported their experiments at nearly the same time.

Priestley was self-taught as a scientist. From his early reading in natural philosophy, as science was then called, Priestley adopted the now superseded theory of phlogiston as the framework for understanding his discoveries and observations. While many of his contemporaries were acknowledging the flaws with phlogiston and developing better ways to understand heat and combustion, Priestley was never able to accept this new thinking.

Priestley was embroiled in religious controversy as well in England and he was a vocal supporter of both the American and French Revolutions. His defense of the French Revolution in particular elicited outrage from the press and the public. In 1791, rioters in Birmingham destroyed Priestley's house, laboratory, and library.

The loss of his lab and library were difficult blows and ultimately drove Priestley to immigrate to the US with his wife Mary in 1793. They settled in Northumberland PA where their large manor house still stands.

In his last 10 years, Priestley continued his work on gases or "airs", published more scientific papers, and wrote religious tracts.

Dee Ann Casteel is Associate Professor of Chemistry at Bucknell University where she has been since 1994. She earned her Bachelor of Music degree from Coe College in Cedar Rapids, Iowa, her home state. From there, she obtained her Ph.D. at the University of Illinois, Champaign-Urbana. Following a postdoctoral position at Brown University, she taught for several years at the University of Iowa, College of Pharmacy before moving to Bucknell. Her specialty areas are in organic synthesis and medicinal chemistry with a particular interest in antimalarial compounds. She is the current President of the Friends of the Joseph Priestley House. As elected Councilor for this local section, she represents the section at national meetings. Other interests include participating in various musical groups as well as cooking.

### 2017 ACS SUSQUEHANNA VALLEY SECTION OFFICERS

CHAIR	WILLIAM DOUGHERTY, Susquehanna University
PAST CHAIR	ANNE SZKLARSKI, King's College
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The American Chemical Society (ACS) is a nonprofit scientific and educational association of professional chemists and chemical engineers. Although the Society is primarily an American organization, virtually every nation is represented among its over 160,000 members.

Some of the many programs sponsored by the ACS are meetings, publications, education, awards, and public service activities, including National Chemistry Week. Each year, 1,500 ACS meetings are held each year at the local, regional, national, and divisional levels. Over twenty ACS journals are the leading resources in the chemical field. Educational activities include services to high school and college chemistry students and continuing education programs for its members. The ACS presents numerous awards for outstanding achievement in various fields of chemistry through national, regional, divisional, and local channels. Fellowships and research grants for basic research are administered by the society.

The Susquehanna Valley Section of the ACS includes members from eight counties in central to northeastern Pennsylvania.