

# **Susquehanna Valley Section American Chemical Society**

## **Annual Education Awards Banquet**



**Pine Barn Inn  
Danville, Pennsylvania**

May 2, 2018

5:30 p.m.

## PROGRAM

- I. Welcome and Introductions** ..... *Dr. Nicola Edwards*
- II. 50/60-Year ACS members** ..... *Dr. Nicola Edwards*  
DR. LAWRENCE MACK 50 year member  
DR. MAURICE HART 60 year member  
DR. BEN WILLEFORD, JR 76 year member
- III. Joseph Priestley Service Award** ..... *Dr. Nicola Edwards*  
DR. CHARLES MAHLER Lycoming College
- IV. Ron Blatchley High School Chemistry Teacher of the Year Award** ..... *Mr. Ronald Blatchley*  
MS. MARIA MASANKAY Western Wayne School
- V. National Chemistry Week Award** ..... *Mr. Patrick Martino*  
EZRA TETREULT Western Wayne High School
- VI. David H. Frederick Memorial Awards in High School Chemistry** ..... *Dr. Charles Mahler*

## EXAM A RUNNERS-UP

SETH KLINE	Mifflinburg Area High School Teacher – Mr. Brian Landis
NICK BAHNER	Sunbury Christian Academy Teacher – Ms. Heather Keller
SAVANNAH CONRAD	Line Mountain High School Teacher – Ms. Shelley Herb
LEAH HEPNER	Selinsgrove Area High School Teacher – Ms. Tracy Hepner
GABRIELLE BELLOMO	Jersey Shore Senior High School Teacher – Mr. Alex Hunter
ERIN REILLY	Williamsport Area Jr/Sr High School Teacher – Mr. Chase Smith
MAYA MOORE	Jersey Shore Area Senior High School Teacher – Mr. William Ferguson
MATTHEW ROSENGRANT	Western Wayne High School Teacher – Ms. Maria Masankay
HANNAH HOLBERT	Honesdale High School Teacher – Ms. Michelle Tonkin
RICHARD FRIED	Abington Heights High School Teacher – Dr. Eric Stroyan
ZACH BOYER	Marian Catholic High School Teacher – Mr. Robert Valente

## EXAM A WINNERS

SAMUEL DARER	Lewisburg Area High School Teacher – Ms. Angela Gockley
DEVIN BROWN	South Williamsport Jr/Sr. High School Teacher – Mr. Matthew Easley
DANIEL ZYCH	Scranton Preparatory School Teacher Ms. Donna Barrett

KATERINA WILLIAMS

Abington Heights High School

JOSEPH ROWLEY

Teacher – Ms. Carolyn Siwak

JAMIE NGUYEN

Hanover Area Jr/Sr High School

Teacher – Dr. Jocelyn Holodick-Reed

Bloomsburg High School

Teacher – Mr. Todd Davis

### EXAM B RUNNER-UP

JAMES BOONE

Williamsport Area High School

Teacher – Ms. Jennifer Flint

### EXAM B WINNERS

BRODY HELLER

Hughesville High School

ALEXANDER AMBRUSO

Teacher – Dr. John Tamblin

Wyoming Area Secondary Center

Teacher – Mr. Gordon Williams

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

THEODORE LAMBERT

Abington Heights High School

JACK LEIGHTCAP

Teacher – Ms. Carolyn Siwak

Abington Heights High School

NATALIE ZEGLEN

Teacher – Ms. Carolyn Siwak

DOMINIC MAGLIONE

Honesdale High School

Teacher – Ms. Michelle Tonkin

Honesdale High School

Teacher – Ms. Michelle Tonkin

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

TODD POE

Bloomsburg University

LAUREN ECKERMANN

Bucknell University

CHARLES RAFALCO

King’s College

ELIZABETH RITTER

Lycoming College

RACHEL MCCORMICK

Misericordia University

MIKAELA SURACE

University of Scranton

JENNA YARGER

Susquehanna University

SARAH NICHOLS

Wilkes University

## IX. "Water, Water Everywhere? New Materials Chemistry for Old Problems"

Dr. Brian Smith, *Bucknell University*

Universal access to clean water is a fundamental human need and unmet challenge complicated by population growth, industrialization, and climate change. Difficulties range from the classic problem of making salt water potable, to remediating human-derived pollutants including pesticides, detergents, and industrial organic solvents. Of increasing importance are emerging contaminants, such as pharmaceuticals, personal care products, and their metabolites, which pose potential health and environmental risks. Addressing these issues is a balance between water quality, delivery, and cost, which play a central role in the global Food, Energy, Water security nexus. We will discuss this worldwide challenge and highlight some recent materials chemistry research in developing next-generation adsorbents and filters for water purification.

Brian Smith is an Assistant Professor of Chemistry at Bucknell University, joining in 2016. His lab studies novel nanostructured materials and surfaces, for applications in pharmaceutical polymorphism, catalysis, and water treatment. Brian earned his B.S. in Chemistry and Classics from Georgetown University and his Ph.D. in Chemistry from Stanford, where he explored surface functionalization of porous silicas for heterogeneous catalysis. After graduate school, he was a postdoctoral scholar with William Dichtel at Cornell University, studying 2D covalent organic frameworks and polymeric materials for water purification.

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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.