

Susquehanna Valley Section American Chemical Society

Annual Education Awards Banquet



**Kehr Union Building, Room 408
Bloomsburg University
Bloomsburg, Pennsylvania**

4 May 2011

6:00 p.m.

PROGRAM

- I. Welcome and Introductions***Mr. Ronald Blatchley*
- II. 60-Year ACS Members***Mr. Ronald Blatchley*
MR. JOHN A. BRISLIN
MR. OTTO PFEFFERKORN
- III. Joseph Priestley Service Award***Mr. Ronald Blatchley*
DR. MICHAEL EUGENE PUGH Bloomsburg University
- IV. High School Teacher Award***Mr. Ronald Blatchley*
MS. LAURA PETRO MMI Preparatory School
- V. David H. Frederick Memorial Awards in High School Chemistry***Dr. Philip Osburn*

EXAM A WINNERS

CAITLIN EDINGER	Mifflinburg Area High School Teacher – Mr. Landis
ALEK KELLER	South Williamsport Jr./Sr. High School Teacher – Mr. Eisle
NORMAN FREDERICK	Scranton Preparatory School Teacher – Ms. Nagurney
BRENDAN BUCKBEE	Abington Heights High School Teacher – Ms. Siwak
JOHN RASH	Hanover Area Junior Senior High School Teacher – Ms. Holodick-Reed
NABA MUKHTAR	Danville High School Teacher – Ms. Merriett

EXAM A RUNNERS-UP

MICHAEL EDE	Selinsgrove Area High School Teacher – Ms. Hepner
BRADLEE MIX	South Williamsport Jr./Sr. High School Teacher – Mr. Eisle
SARAH STUCCIO	Scranton Preparatory School

NICOLE KOZAR
MATTHEW YURISH

Teacher – Ms. Nagurney
Abington Heights High School
Teacher – Ms. Siwak
MMI Preparatory School
Teacher – Ms. Petro

EXAM B WINNER

SCOTT GAUER

Danville Area High School
Teacher – Ms. Slattery

EXAM B RUNNERS-UP

MICAH GARD
ERIC WERBIN

Danville Area High School
Teacher – Ms. Slattery
Wyoming Area High School
Teacher – Ms. Palmer

VI. College Award Winners*Dr. Terese Wignot*

KENNETH MYERS
THOMAS H. MANN
LAURA SPOSATO
KYLE RUHL
CHRISTIN MONROE
BENJAMIN REDAN
NICOLE SCHNECK
MICHAEL PAULEY

Bloomsburg University
Bucknell University
King’s College
Lycoming College
Misericordia University
University of Scranton
Susquehanna University
Wilkes University

VII. "Analyzing the Air We Breathe"

*Dr. Julie A. Palkendo
Kutztown University*

The air that we breathe is an extraordinarily complex mixture which constantly varies as a function of time, temperature, and location. A significant component of this mixture is particulate matter, also referred to as aerosols. Atmospheric aerosols have adverse impacts on visibility, human health, and global climate. Particle size, number concentrations, and mass concentrations are important properties that are used to evaluate these impacts. This talk will describe the history behind air pollution, how atmospheric particles are monitored and analyzed, the chemical composition of particles, known particulate sources, and human health effects. Data will also be presented from a recent indoor air monitoring study conducted by an undergraduate research student at Kutztown University.

Dr. Julie A. Palkendo is an Assistant Professor of Environmental Chemistry at Kutztown University of Pennsylvania. She obtained her B.A. in Chemistry from The College of Wooster in Wooster, OH and her Ph.D. from the University of Delaware under the advisement of Dr. Murray Johnston with emphasis in the fields of mass spectrometry and aerosol science. She is involved with the Pennsylvania Institute of Children's Environmental Health (PICEH) organization that helps to maintain the Kutztown Air Monitoring Station that is located on campus.

2011 ACS SUSQUEHANNA VALLEY SECTION OFFICERS

CHAIR	RONALD BLATCHLEY, Ret. high school teacher
PAST CHAIR	ROB HUMPHREYS, Ret. from Natl. Starch & Chem. Co./ICI
SECRETARY	ROBERT RITTER, Cherokee Pharmaceuticals, LLC
TREASURER	CHRISTOPHER HALLEN, Bloomsburg University
COUNCILOR	DEE ANN CASTEEL, Bucknell University
ALT. COUNCILOR	ISAAC VONRUE, King's College

The American Chemical Society 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.

The programs of the Society include meetings, publications, education, awards, and public service activities, including National Chemistry Week. 1500 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 Society 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.