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.
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. Eisley
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. Eisley
SARAH STUCCIO  Scranton Preparatory School
Teacher – Ms. Nagurney

NICOLE KOZAR
Abington Heights High School
Teacher – Ms. Siwak

MATTHEW YURISH
MMI Preparatory School
Teacher – Ms. Petro

EXAM B WINNER

SCOTT GAUER
Danville Area High School
Teacher – Ms. Slattery

EXAM B RUNNERS-UP

MICAH GARD
Danville Area High School
Teacher – Ms. Slattery

ERIC WERBIN
Wyoming Area High School
Teacher — Ms. Palmer

VI. College Award Winners …………………Dr. Terese Wignot

KENNETH MYERS
Bloomsburg University

THOMAS H. MANN
Bucknell University

LAURA SPOSATO
King’s College

KYLE RUHL
Lycoming College

CHRISTIN MONROE
Misericordia University

BENJAMIN REDAN
University of Scranton

NICOLE SCHNECK
Susquehanna University

MICHAEL PAULEY
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

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PAST CHAIR     ROB HUMPHREYS, Ret. from Natl. Starch & Chem. Co./ICI
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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.