

Susquehanna Valley Section American Chemical Society

Annual Education Awards Banquet



**Kehr Union Building,
Ballrooms 1 & 2
Bloomsburg University
Bloomsburg, Pennsylvania**

9 May 2012

5:30 p.m.

PROGRAM

- I. Welcome and Introductions***Dr. Don Mencer*
- II. 50-Year ACS Members***Dr. Don Mencer*
MS. ANNA MARIE P. GRANDIZIO
DR. HOWARD A. SWAIN
- III. Joseph Priestley Service Award***Dr. Don Mencer*
DR. RAYMOND BORKOWSKI King's College, Retired
- IV. High School Teacher Award***Mr. Ronald Blatchley*
MR. JOHN FREDERICKS Dallas High School
- V. David H. Frederick Memorial Awards in High School Chemistry** *Dr. David Rovnyak*

EXAM A WINNERS

AARON BAKER	Williamsport Area High School Teacher – Ms. Dale Seeley
TRISTAN BEITER	Danville High School Teacher – Ms. Erica Merriett
ALEX CHAN	Hanover Area Junior/Senior High School Teacher – Ms. Jocelyn Holodick-Reed
SARAH COONEY	Mifflinburg Area High School Teacher – Mr. Brian Landis
NEIL MACDONALD	Scranton Preparatory School Teacher – Ms. Jane Nagurney
MATTHEW POSKA	Western Wayne High School Teacher – Ms. Maria Masankay

EXAM A RUNNERS-UP

BENJAMIN CAVISTON	St. John Neumann Regional Academy Teacher – Ms. Sara Baszczewski
ANNE CHERUNDOLO	Old Forge High School Teacher – Ms. Adrianna Rupprecht

EXAM A RUNNERS-UP (continued)

NICOLE CUMBO	Wyoming Area Secondary Center Teacher – Mr. Gordon Williams
RACHEL FRITZ	Honesdale High School

RYAN KARNISH	Teacher – Ms. Michelle Tonkin Marian Catholic High School
WILLIAM SWISHER	Teacher – Mr. Robert Valente Abington Heights High School Teacher – Ms. Bellette Greene

EXAM B WINNERS

BENJAMIN FAIT	Danville Area High School Teacher – Ms. Deborah Slattery
MATTHEW YURISH	MMI Preparatory School Teacher – Ms. Laura Petro

EXAM B RUNNERS-UP

ANDREW JOSIAH LOVE	Milton Area High School Teacher – Ms. Faye Hinson
ANDREW PHILLIPS	Selinsgrove Area High School Teacher – Ms. Tracy Hepner
JAY HILLER	Hughesville High School Teacher – Mr. John Tamblin
MEGAN FLEMING	Dallas High School Teacher – Mr. John Fredericks
ALLY MUTH	Holy Redeemer High School Teacher – Ms. Mary Humiston
WILLIAM AUMAN	Warrior Run High School Teacher – Mr. James Ulrich

VI. College Award Winners*Dr. Terese Wignot*

KELSEY DAUM	Misericordia University
TYLER HIPPELI	Wilkes University
PHILIP MALLEY	University of Scranton
KYLIE MANNING	Susquehanna University
ADAM MILLER	Bloomsburg University
MARCIA RICHARD	Bucknell University
DAVID SAMPSELL	Lycoming College

VII. "The Secret Life of Brewer's Yeast: The Interface of Biochemistry, Fermentation Engineering and Favor"

Mr. Jaime Jurado, *Susquehanna Brewing Company*

Much of the world's social history has been framed around that famous, ancient convivial 'beverage of moderation': beer. To explore the relationship between beer quality and fermentation, we use underpinning biochemistry and fundamentals from fermentation engineering to make our beers consistently and to obtain flavors which the Master Brewer desires. After a review of the biochemistry of yeast fermentation, and sharing of some implications of fermentation engineering, several examples of commonly identified beer flavors and their modification are discussed.

Mr. Jaime Jurado is Operations Partner & Master Brewer at the new \$8.5 Million Susquehanna Brewing Company constructed between Wilkes-Barre and Scranton. Jaime has an undergraduate degree in chemical engineering, a Master's in electrical engineering, and undertook further postgraduate study and research in medical engineering during three years at Oxford University. Jurado has worked at breweries in the USA as well as in England, Ireland and India. He served as Chair of the Editorial Board of the journal MBAA Technical Quarterly for four years and later served as President of the Master Brewers Association of the Americas. He was educated in brewing as a *Praktikant* in the Bavarian breweries of Patrizier-Brau AG in 1983, and has been employed in brewing ever since.

2012 ACS SUSQUEHANNA VALLEY SECTION OFFICERS

CHAIR	DON MENCER, Wilkes University
PAST CHAIR	RONALD BLATCHLEY, Ret. high school teacher
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.