



American Chemical Society Susquehanna Valley Section

MAY 2012 NEWSLETTER

The four hundred and third meeting of the American Chemical Society Susquehanna Valley Section will be our Annual Awards Banquet and will be held on Wednesday, May 9, 2012. With the presentation of various local section awards, the Annual Awards Banquet recognizes both aspiring and accomplished chemistry professionals in the area who have helped to promote chemistry, the chemical professions, and the section. This year's meeting will begin at 5:30 PM in the Kehr Union Building (Ballrooms 1 & 2) on the Bloomsburg University campus. The speaker will be Jaime Jurado from the Susquehanna Brewing Company.

"The Secret Life Of Brewer's Yeast: The Interface Of Biochemistry, Fermentation Engineering And Flavor"

Jaime Jurado
Operations Partner & Master Brewer
Susquehanna Brewing Company
Pittston, PA

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.

Jaime Jurado is Operations Partner & Master Brewer at the new \$8 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. Jamie 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 is married to an Annapolis graduate from the first class of women at the Academy, and they have two children in universities, a third to start in the Autumn, and a fourth who is a high school freshman. Besides the MBAA, Jaime is an active senior member of the AIChE, Past Chair of the San Antonio ACS section, and Program Chair of two ACS regional conferences. 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. He is a regular presenter of seminars at AIChE and IChemE groups, including annual seminars at Cambridge and Oxford Universities, UC Berkeley and Stanford, University of Colorado, Columbia University and others. In 2011 he was invited to present by Engineers Australia and the University of Melbourne.

Dinner: Dinner will be buffet-style with a selection of entrees, side dishes, salad and dessert. Dinner will begin at 6:00 PM and the cost will be \$20, but is free for honored students (high school and college) and the high school teachers. Please RSVP Mr. John Shirley by email (jshirley@bloomu.edu) or phone (570) 389-5159 by 4:00 PM on Friday, May 4, 2011.

DIRECTIONS:

East of Bloomsburg: Use I-80 west to Exit 236A south.

West of Bloomsburg: Use I-80 east to Exit 236 south.

South of Bloomsburg:

From Central Pennsylvania: Take Routes 11 and 15 north to the Town of Bloomsburg. Heading north on Main Street, you'll see Carver Hall directly ahead, and you'll arrive on the western end of the campus

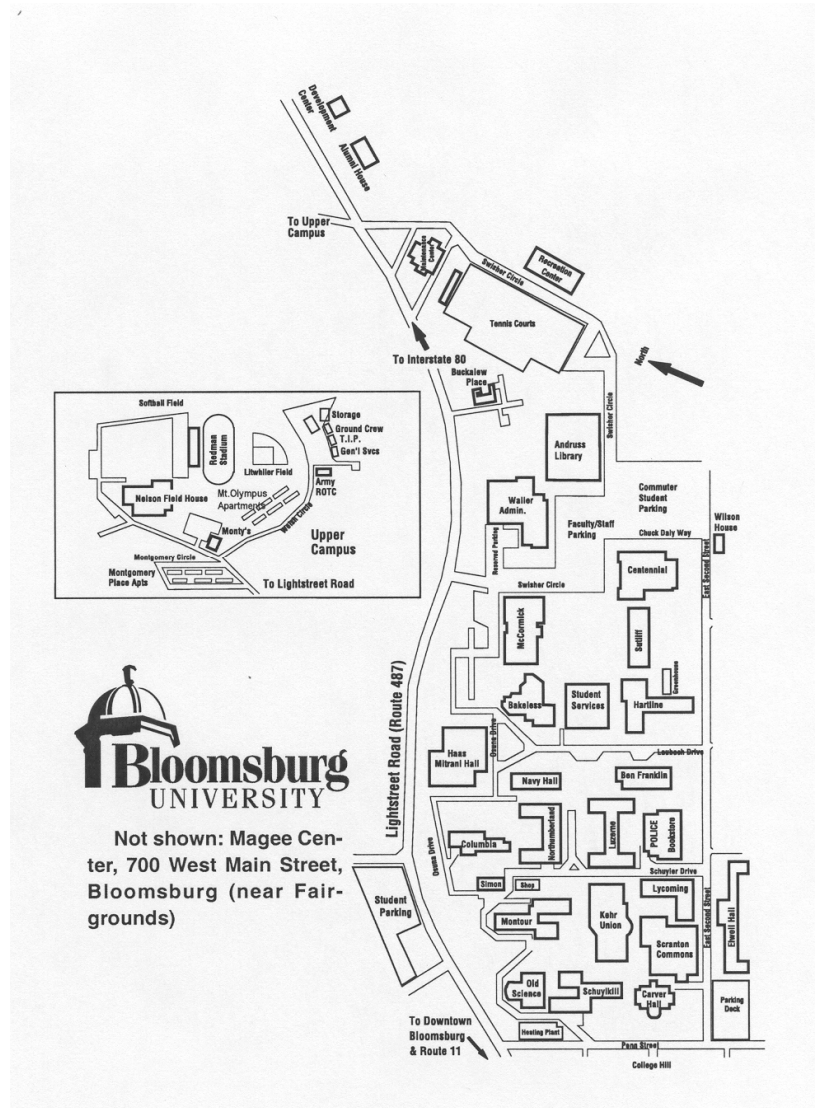
From southeast Pennsylvania: Take Northeast Extension of the Pennsylvania Turnpike (I-476) to I-80 west (Pocono Exit) to Exit 236A south.

From the Scranton/Wilkes-Barre area: take I-81 south to I-80 west to Exit 236A south.

From the Williamsport area: take I-180 south to I-80 east to Exit 236.

From Exit 236 on I-80, take Route 487 south and follow signs to campus, approximately one mile. You'll arrive on the eastern end of campus. The first sign on the left will be at Buckingham Maintenance Center; the second sign on the left will lead up a steep entry and onto campus facing Centennial Hall. Attendees can park anywhere on campus after 5:00, except in the metered parking on Second St. (meters are active until 2 AM). It is suggested that attendees may find it convenient to park in the parking garage on the corner of Penn St. and Second St.

If you park in the parking garage you will be looking at Carver Hall (large gold dome). Kehr Union is situated behind Carver and the Scranton Commons.



Section Web Page: <http://departments.kings.edu/SusquehannaValleyACS>
