



Section Web Address: <http://membership.acs.org/iowa/>

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Wednesday September 23, 2009 Meeting

Location: Wartburg College, Waverly, Iowa. Castle room (2nd floor) in Saeeman Student Center. Best parking between 7th & 8th Streets and just north of 2nd Ave. and marked E on shaded area on downloadable map. ***see directions on back***

Social Hour: **5:30 punch reception** Meeting: **7:00**

Dinner starts at 6:00 Menu: Seasonal mixed greens, tortilla strips and homemade Mexicali Ranch dressing. Grilled tequila lime chicken, marinated boneless chicken breast finished with a spicy cream sauce, sweet corn casserole and steamed long green beans. Black and White Chocolate Macaroon Tart will make you sorry this meal had to end.

Meal Cost: \$15/ adult member, \$5/ student. Makes checks payable to ACS Iowa Chapter.

Reservation Deadline: Sept 18, 2009. Contact Wanda Reiter Kintz, section President, by email or by phone for any questions. Please include your name and phone number for return confirmation if leaving message on answering machine.



Lecturer: Dr. Warren Bush

Title: How to Find a Job

Abstract: "What is the job market for chemists like today?" "How do I find a job?" "Where can I find a job?" "What are the important things to consider in looking for a job?" These questions are very real to first-time job seekers whose experience in the world outside the university is just beginning. And these questions are also a very real part of the life of some one who is looking for a new position after some time on the job, perhaps because of a layoff or impending layoff, or perhaps because of family requirements to relocate, or some other reason. In this talk Dr. Bush describes ways to manage the many, often conflicting, aspects of the job market for chemists and chemical engineers, and the most effective ways to find useful information about the job market and about job openings. And, equally importantly, what to consider in the way of one's personal and professional lifestyle values when seeking a job.

The current job market for chemical scientists and engineers is undergoing rapid change, just as the overall economic picture in the United States and the world is undergoing profound change. Come and learn about the current trends in the chemical industry, and how those changes affect the job market for chemists, and how you can use that knowledge to improve your own job situation.

Biographical Sketches:

Dr. Bush retired in 1992 from Shell Development Company, Houston, Texas, where he was a Research Advisor at the Westhollow Research Center. He continues his professional career as an independent consultant in the chemistry of sulfur removal and recovery, petroleum refining processes, and air and water conservation. He earned his B.S.E. with honors in chemical engineering at Princeton University and his Ph.D. in organic chemistry at California Institute of Technology.. His professional career with Shell Development Company included research and development in the areas of carbanion chemistry, hydrotreating, hydrocracking, and catalytic reforming; sulfur recovery; air and water conservation; and energy utilization. For several years prior to his retirement he was involved in development of processes for elimination of waste in petroleum refining processes and for ensuring compliance with the requirements of the Clean Air Act Amendments of 1990. For twenty-one years prior to his retirement Dr. Bush was the leader of a

research team engaged in developing improved methods of sour gas treating and sulfur recovery. He is internationally recognized as a consultant and a technology leader in the field of sulfur removal and recovery. He holds seven U.S. patents and is the author or co-author of more than four hundred publications. While employed with Shell Development Company, Dr. Bush served for eight years as an advisor to the University of Texas Separations Research Program in the areas of acid gas treating and stack gas desulfurization. Dr. Bush is a 54-year member of the American Chemical Society; he has served as Chair of the Greater Houston Section, Chair and Secretary of the ACS Division of Petroleum Chemistry, and as Councilor from the Division of Petroleum Chemistry and from the Greater Houston Section. He is currently Chair of the Dallas-Fort Worth Section.

Local Section News – Notes from the April 2009 meeting

After a wonderful meal provided by Cornell College, Dr. Wanda Reiter-Kintz presided at the April 2009 meeting. There were approximately 40 in attendance and the next meeting was set for Sept. 23, 2009. Wanda then introduced guest speaker Dr. Atilla Pavlath, former National ACS President.

Dr. Pavlath's presentation focused on alternative energy sources using moderation and common sense. As population increases, energy demand increases, raising concerns for supply and for environment. Supply of energy can increase by conserving, exploring, and searching for non-fossil energy resources. Of the many alternative energy sources such as wind, hydroelectric, geothermal, solar, biomass, and nuclear, he suggested that our energy supply not be derived from only one source, as this will cause too many unforeseen problems. For example, too many wind turbines in one small area will disrupt wildlife patterns; too much geothermal in a small area has been known to increase earthquake intensity; too much hydroelectric (which increases water temperature) may damage organisms that require a cooler water environment; the best and most expensive solar equipment is only 20% efficient thus requiring vast amounts of surface area i.e. the whole states of New Mexico and Arizona would have to be completely covered; hydrogen requires the same amount of energy to produce that amount of energy; and organisms die at 12% EtOH concentration thus requiring much energy after that for production; Nuclear energy is negatively viewed in this country albeit successful in other countries.

To sum up, alternative energy sources must be explored, tested, perfected, and implemented with moderation and common sense. Thank you Dr. Pavlath for an enlightening and helpful presentation!

Expanded Newsletter: Our newsletter is not mailed every month. Please access updated information at our website: <http://membership.acs.org/i/iowa/>.

2009 Regional Meeting: The 2009 Midwest Regional Meeting of the ACS, to be hosted by the Iowa Section will be held at the Sheraton in Iowa City, October 20-23, 2009, coinciding with National Chemistry Week – “Chemistry: It’s Elemental”.

Volunteers and Chemistry Clubs are needed in lots of capacities – from helping to organize exhibitions, technical programs and special events, to assisting with operations during the meeting. If you or your chemistry club would like help, contact Greg Friestad, General Chair (319-335-1364, gregoryfriestad@uiowa.edu), or Mark Arnold, Program Chair (mark-arnold@uiowa.edu).

Approaching Local Section Meetings and Speakers

Date	Subject	Speaker	Location, Tentative
Nov 16,2009	Famous Mad Hatters	O'Brien	North Liberty, Pizza Ranch
2010	TBA	TBA	TBA

Directions to our meeting location

Wartburg College is in Waverly, IA. FROM SOUTH: Take 218 north to Waverly, turn west on Hwy 3, turn north on 8th NW street which turns into Wartburg Blvd then 2.5 blocks to parking lot. **FROM NORTH:** Take 218 south to Waverly, turn east on Hwy 3, turn north on 8th NW street which turns into Wartburg Blvd then 2.5 blocks to parking lot. Visit “<http://www.wartburg.edu/visitors/travel.html>” for directions and map of the college. **GPS coordinates: N 42.72815, W 92.47939.**

We look forward to seeing you at Wartburg College!