



THE FILTER PRESS

Newsletter of the Georgia Section of the American Chemical Society

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Chocolate – Food of the Gods

Dr Howard Peters

Chocolate has been part of the world culture for thousands of years. This talk will present:

- (1) the high points of the history of chocolate from the Mayan and Aztec cultures to the present;
- (2) some chemistry and biochemistry of theobroma cocoa (the food of the gods);
- (3) some health results that indicate this exotic vegetable (obviously since wine is a fruit) is actually good for you;
- (4) some circulating urban legends (little known facts and trivia) about chocolate;
- (5) discussions about the recent book "The Emperors of Chocolate"; and
- (6) samples sufficient to make some attendees sick. Some of us are not ashamed to admit to being card-carrying chocoholics and on a 12-step plan.

Howard Peters is a 1962 chemistry graduate of Geneva College in Beaver Falls, PA (and hometown of Joe Nameth). He earned a Ph.D. in organic chemistry at Stanford University in 1967 under Dr. Harry S. Mosher. After several years in chemical research with Dow Chemical Company in Midland, MI and then SRI International in Menlo Park, he completed his legal studies at night at Santa Clara University in 1978. He was a patent attorney with Syntex Corporation in Palo Alto and then a partner in his own patent

law firm, Peter Verny LLP, and Palo Alto, from which he retired in August 2007. He is a former Santa Clara Valley Local Section Chair (1986 and 1996). He has received the Santa Clara Valley Section's Ottenberg and Radding Awards, and Roger Middlekauff Service Award of the Division of Chemistry.

Howard, now a 30 year member of the ACS Council, was elected by petition as ACS Director-at-Large from 2005-7 and was the unsuccessful candidate for ACS President in 2007. He received the ACS Division of Professional Relations Henry A. Hill Award in 2007 in recognition of his efforts to advance chemistry as a profession.

He is the author of the ACS reference book Understanding Chemical Patents, 2nd edition (1991) and is currently working on the update.

As mentioned above Dr. Peters will bring samples of chocolate for attendees. In addition every attendee will receive a free raffle ticket and anyone who stays to the bitter end will have a chance to win a 10 pound bar of Guittard bittersweet chocolate.

Reservation deadline is 8:00 PM, Monday, January 28th—see page three for all details. →→⇒

Look inside for all the details about the Chemistry of Chocolate meeting (just in time for Valentine's day) on page 3 and a greeting from the new Chair of the local section, Terry Say on page 2.

Also on page 3 is the registration information for the inaugural chemistry Academic/Industry Forum.



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Greetings from the Georgia Local Section 2008 Chair

Welcome to 2008. I am honored to be the Chair of the Georgia Local Section of the American Chemical Society for 2008. We had a tremendous year of activities in 2007, thanks to the leadership of Holly Davis. In 2008, in addition to maintaining the momentum in the Chemistry Olympiad, National Chemistry Week (NCW), Herty Medal Undergraduate Research Symposium (HMURS), and Science Café, we are planning on strengthening the activities of the Women Chemists Committee (WCC), the Younger Chemists Committee (YCC) and the Committee of the Office of Legislative and Governmental Affairs (COLGA). We will again be offering Local Section Mini-grants to help in the education and promotion of Chemistry through-out the Georgia Section.

We will be participating in the Georgia Science and Engineering Fair, holding our first **Academia/Industry Forum** (to promote more interaction between academic and industrial members, **see page 3** for registration information about this innovative event) and developing a county by county database of High School Chemistry Teachers and local Chemical Companies, to create opportunities for High School Students to appreciate the “real world” contributions of Chemistry.

Following on your responses to the survey carried out a couple of years back, we will also be exploring how our Section can help in satisfying the Continuing Education needs of its members.

I would just like to remind all Local Section Members that the members of your local section Executive Committee are all volunteers, who put in a lot of time for your benefit. We have over 1900 members in the Georgia Section. The average attendance at our 2007 monthly evening meetings was 31. Can the “Silent Majority” step up please!

—Terry Say

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February Meeting: Monday, February 4, 2008
Chocolate – Food of the Gods
Dr Howard Peters

Time: 6:30 - 7:00 PM Arrive

7:00 - 8:00 PM Dinner

8:00 - 9:00 PM Meeting & Presentation

Location: Colonnade Restaurant

1879 Cheshire Bridge Rd NE, Atlanta, GA 30324

Dinner Menu—

Spinach salad, charbroiled chicken, green bean casserole, mashed potatoes, chocolate pie, ice tea, coffee. Vegetarian option also available.

Cost for meal option: \$25 per person; \$15 for teachers, students and retirees. **This meal is FREE for graduating college seniors (May or August 2008) who are chemistry majors.**

Payment should be made to the "Georgia Section ACS" and will be collected at the door. If you make a reservation and then don't attend, you will be charged for the meal, as we have to guarantee the number of meals.

RSVP to Deborah Sauder, dsauder@ggc.usg.edu (preferred) or 678-407-5844 by noon on Monday, January 28, 2008. Please note whether you would like the charbroiled chicken **OR** the vegetarian option when making your reservation.

Directions to the Colonnade Restaurant:
1879 Cheshire Bridge Road NE, Atlanta, GA 30324
 From the North:

Take I85 south to exit #88, Cheshire Bridge/Lenox Rd. Turn left on Cheshire Bridge Road and continue 1.2 miles: The Colonnade will be on your left.

From the South:

Take I85 north to exit #86 Buford Highway. Go 0.6 miles and take 1st ramp toward Monroe Drive/Piedmont Rd. Go 0.1 mile and turn left on Monroe Dr. Drive up the hill and at the traffic light cross Piedmont Rd—you are now on Cheshire Bridge Road and the Colonnade Restaurant will be 0.3 mile on the right.

Free Parking on Site.

The First Academia/Industry Forum
Friday February 22nd 2008
Kennesaw State University

The collaboration between academia and industry is one of the most successful sources for innovation. As an academic or an industrial company you may face the following problems that you cannot solve "in-house":

- Having a good idea that is looking for a home.
- The transitioning of a good idea into a feasible product or process.
- Taking a new product or process to the marketplace.
- Developing a viable production process for a new product.
- Solving a particular chemical product or processing problem.
- Developing a particular analytical technique.
- Necessity for detailed basic research on a particular product or process.

To facilitate and foster collaboration at the Academia/Industry interface the Georgia Section of the ACS and Kennesaw State University are sponsoring a one day forum to bring the appropriate personnel together. The Forum will be held on Friday February 22nd, from 9am to 5pm, in the Clendenin building, part of the College of Science and Mathematics of Kennesaw State University.

There will be presentations from five academic (Emory, Georgia Tech, Georgia State and the University of Georgia) and five industrial (BioLab, CryoLife, Georgia Pacific Chemicals, Kemira and nGimat) institutions. The presentations will be 20 minutes long, with 10 minutes for discussion.

There will also be representatives from the Enterprise Innovation Institute at Georgia Tech (General Manager, Dr. Lee Herron) and the Georgia Research Alliance (Director of Communications, Dr. Kathie Robichaud). Both these organizations have considerable expertise in working at the Academia-Industry interface.

Lunch will be served and there will be ample opportunity for networking. There will be no charge for attending this Forum, but numbers will be limited to 50. Registrations will be accepted on a first come-first served basis.

Please reply to Dr. Mark Mitchell at KSU, mbmitchell@kennesaw.edu or (770)423-6159, or to Terry Say at GA Section ACS, terrysav@aol.com or (404)625-2136 by January 31st, 2008.

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