



**National ACS Tour Presentation
on**

**Chocolate:
Food of the Gods**

by Dr. Howard Peters

Sponsored by
North Carolina Section of the American Chemical Society

Wednesday, February 18, 2009
at the

**HAMNER CONFERENCE CENTER
Congressional Room**

NC Biotechnology Center
Research Triangle Park

Presentation begins at 7pm
Followed by Chocolate Dessert and Coffee

There is NO charge!

PLEASE RSVP

By emailing the number attending to hines@rti.org
so we can assure adequate seats and dessert
(RSVP deadline Monday, Feb. 16, for final head count)

You do NOT have to be an ACS member to attend!

For questions, please contact John Hines (919) 541-6647; hines@rti.org
or see the NC ACS Web Site at <http://membership.acs.org/N/NCarolina>

Abstract, Directions, and Biographies follow.

Abstract:
“Chocolate – Food of the Gods”

Chocolate has been a part of New World culture for thousands of years. This talk includes:
1. Some high points of the history of chocolate and its production from the Mayan, Olmec and Aztec cultures up to the present; 2. Aspects of the processing of the cocoa bean & pod, fermenting, drying, roasting, conching, tempering, blending and finishing; 3. Some chemistry, biochemistry, and biology of chocolate and the active ingredient theobroma cocoa (literally from the Greek - Food of the Gods); 4. Some health aspects (flavanoids, polyphenols & other anti-oxidants) that this exotic food is good for you; 5. A discussion about aspects of the "dark side" of chocolate; and 6. A few circulating legends (& trivial connections) about chocolate. For attendees who stay to the "bitter" end, there will be a free drawing for a 10 pound bar of Guittard "bittersweet" chocolate. You must be present to win. For more information, see <http://www.howard-peters.com> (home page and some old slides in PPT on the second page under the Presentations bar) and <http://scvacs.org/newsletter/news0806hi.pdf> p.2-3)

MAP and Directions

North Carolina Biotechnology Center
15 T.W. Alexander Drive
Research Triangle Park, NC 27709

Directions from I-40

Take I-40 to the Research Triangle Park (RTP).

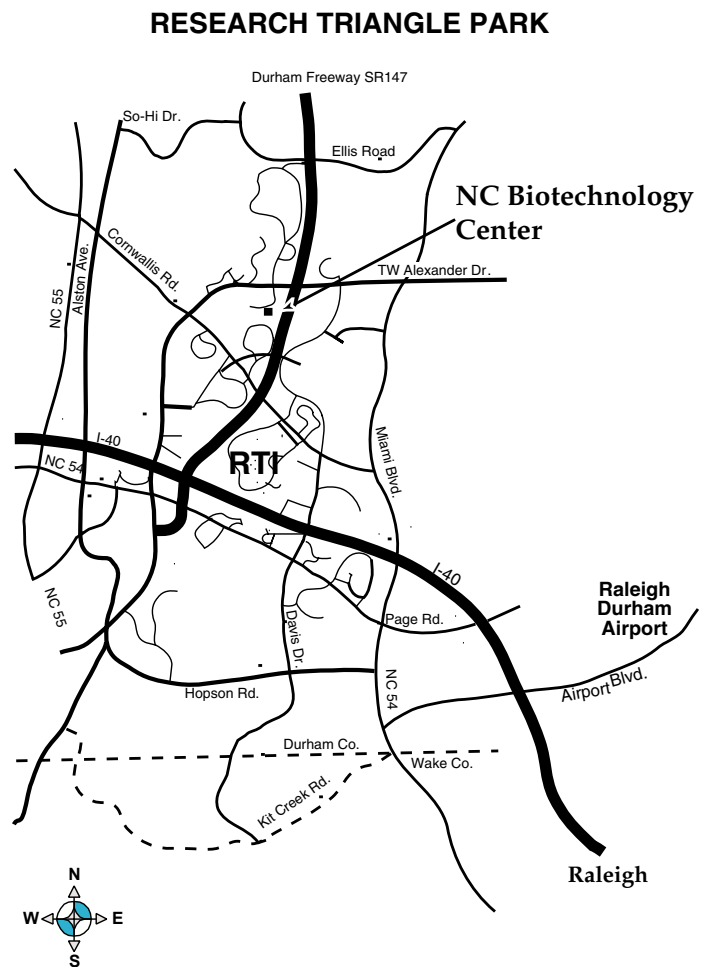
Where I-40 splits in RTP, take Exit 279-B, bearing right onto the Durham Freeway North (147).

Take the Alexander Drive exit (Exit 7) and turn left onto Alexander.

Go through one immediate traffic light, then turn left at the next light into the driveway opposite GlaxoSmithKline.

Go up the hill and bear right, into the Biotechnology Center's driveway.

Follow sign for visitors parking.



Biographies:

Howard Peters - is a 1962 graduate of Geneva College , Beaver Falls PA (& hometown of Joe Namath). He earned a Ph.D. in organic chemistry at Stanford University in 1967 under the late Dr. Harry S. Mosher. After 12 years in industry first with The Dow Chemical Co. in Midland MI and then SRI International in Menlo Park, CA in high explosives research, he received his Juris Doctor in law from Santa Clara U. in 1978. He was first a chemical patent attorney with SYNTEX (The Pill and ALEVE) and then was in private patent law practice for 12 years with Phillips Moore Lempio & Finley LLP of San Francisco and Palo Alto. He was a cofounder of the boutique patent law firm, now Peters Verny LLP of Palo Alto, in 1996 and retired from active practice in 2007. He is a 46 year member of the ACS and has 30 years of service on the ACS Council (of 500). He was a co-founder of the ACS Division of Chemistry and the Law in 1983 (now celebrating its 25 th anniversary). He received the 2007 ACS Henry Hill Award for advancing chemistry as a profession. From 2005-7, Howard served as a member of the ACS Board of Directors and was the unsuccessful candidate for ACS President-elect in 2007. In April 2008, he received the annual Geneva College Life G Award to recognize community service and public outreach. He is the author of the ACS reference book, *Understanding Chemical Patents*, 2nd, 1991 and is currently working of the next update.

Sally Peters - is a graduate in chemistry of Geneva College (1964). She did work in tobacco mosaic virus research at Stanford under Dr. Hubert Loring (the chemist who first crystallized the polio virus) and then worked briefly in the Swain Chemistry Library at S tanford. In 1983 she earned a Masters degree in Library Science at San Jose State U. She has been a chemical information specialist at PARC, INC (formerly XEROX PARC) in Palo Alto CA for 25 years. She served as the 2001 Chair of the ACS Santa Clara Valley Local Section and has served as a member of the ACS Council for 15 years. Sally received the Geneva College Outstanding Alumni Service Award (1997) and the ACS - SCV Section's Ottenberg Award in 2001. She has organized the high school level ACS -United Nations Chemistry Olympiad competition in the Silicon Valley since 2001.

A TREAT FOR CHOCOLATE LOVERS



The business card for Mr. and Mrs. Chocolate (aka Howard, PhD '67, and Sally Peters), says, "Have Chocolate—Will Travel." Still, it was a treat to be invited aboard the Cunard Line's Queen Mary 2 as last-minute replacements for the guest speakers. The Peterses, who have chemistry backgrounds, gave a presentation on chocolate (with a raffle for 10 pounds of Guittard bittersweet for those who "stayed to the bitter end"). Howard Peters, a longtime Palo Alto patent attorney, also spoke about immigrants and patents and about Joseph Priestley, "the British father of American chemistry." It was, he says, "tough duty—but, then, someone has to do it."