



THE FILTER PRESS

Newsletter of the Georgia Section of the American Chemical Society

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January 2006

Science Policy: Advising the Federal Government on Terrorism Dr. Douglas J. Raber, GreenPoint Science Thursday, January 26, 2006

The threat that our nation faces from terrorism began well prior to the horrific acts of September 11, 2001, as illustrated by the bombing of the New York World Trade Center in 1993 and the destruction of the Federal Building in Oklahoma City in 1995. National efforts to reduce the threat began soon after those attacks, and significant progress has been made in reducing the threat. Answers to the problem are difficult, however, and they require a combination of technical and societal responses. However, one thing is clear--chemistry will lie at the heart of whatever solutions are to be found. Specific proposals have been made to reduce terrorist threats as a result of several careful scientific studies. But the threat remains, and only a few of the recommendations have been implemented. This talk will assess the background of the studies (how they came about, what they recommended, and why) and the extent to which their recommendations have or have not been implemented. The assessment will include the several areas in which chemistry can play a major role in preventing or mitigating terrorist acts: explosives, biological agents, chemical agents, and radiological devices.

Douglas J. Raber is a science policy consultant with

GreenPoint Science, which he formed in 2004. Previously, he served for thirteen years as Director and then Senior Scholar of the Board on Chemical Sciences and Technology at the National Academy of Sciences and its operating arm, the National Research Council (NRC). Before joining the NRC in 1989, he was a member of the faculty of the University of South Florida from 1970 to 1990, publishing some 70 research articles. Raber is active in ACS governance, serving recently on the C&EN Advisory Board, the Committee on Chemistry and Public Affairs, and the Committee on Science (which he previously chaired). He recently completed several terms as the Secretary of the U.S. National Committee for IUPAC and currently serves as Chair of the Chemical Technology Operating Council of the AIChE. Raber's responsibilities at the NRC centered on organizing and directing science and science policy studies, particularly in the areas of federal policy and its interrelationships with the chemical sciences. These efforts resulted in more than fifty reports and monographs that provide technical policy guidance on topics that encompass R&D opportunities, laboratory safety and management, nuclear waste disposal, and the threat of terrorism.

Georgia Section 2006 Election Results

Georgia Section ACS is pleased to announce the results of the elections completed earlier this month. **Holly Davis** of **Coca-Cola** was elected as Chair-Elect for the 2006 calendar year. She will serve as Chair in 2007. **Jennifer Powers** of **Kennesaw State University** was elected as Treasurer for a 2006-2007 term. **Lissa Dulany** of **MADesign, Inc.** and **Rigoberto Hernandez** of **Georgia Tech** will serve as Councilors for the 2006-2008 terms. In an unusual election result, **Angus Wilkinson** of **Georgia Tech** tied Rigoberto Hernandez in the election. Dr. Wilkinson has graciously conceded the election to Dr. Hernandez, and will serve as Alternate Councilor. Also serving as Alternate Councilor for 2006-2008 will be **David Lynn** of **Emory University**. **Austin Lin** of **Duracell** was elected as Member-at-Large of the Executive Committee for a 2006-2007 term. The revisions of the By-Laws were approved.

The Executive Committee expresses its appreciation to all the candidates. Thanks also to Councilor Don Hicks, who helped with the preparation of the By-Laws for approval and helped count the votes.



Georgia Section Officers and Board

CHAIR:

David Sherrill
Georgia Tech
(404)894-4037
sherrill@chemistry.gatech.edu

CHAIR-ELECT:

Holly Davis
The Coca-Cola Company
(404)676-2980
hldavis@na.ko.com

PAST-CHAIR:

Lillian Butterworth
lillian_c_johnston@fc.dekalb.k12.ga.us

SECRETARY:

Joe Stoner
Habitat for Humanity, DeKalb County
(404)876-8751
joe.stoner@juno.com

TREASURER:

Dr. Jennifer L. Powers, Treasurer
Department of Chemistry & Biochemistry
Kennesaw State University
(770) 423-6256
jpowers@kennesaw.edu

MEMBERS-AT-LARGE:

Shahab Shamsi; *Georgia State University*
Austin Lin; *Duracell*

COUNCILORS:

Lihong D'Angelo
The Coca-Cola Company
Lissa Dulany
MADesign, Inc.
Rigoberto Hernandez
Georgia Institute of Technology
Don Hicks
Georgia State University

ALTERNATE COUNCILORS:

David Gottfried
Georgia Institute of Technology
David Lynn
Emory University
Joyce Scanlon

Dr. Angus Wilkinson, Alternate Councilor
School of Chemistry & Biochemistry

High School chemistry teachers: Spring 2006 National ACS meeting in Atlanta

from Stacey Lowery Bretz, co-chair for the Division of Chemical Education program

Each ACS national meeting offers a program of activities for high school chemistry teachers, organized by the Division of Chemical Education. Two local teachers (Diane Lunaberg and Suzanne Keel of South Cobb High School in Austell, GA) have volunteered to arrange the program AND to fundraise to cover the costs of the program (~ \$2-3K for printing, materials/supplies for the activities/demos/labs, refreshments, door prizes and the ever popular high school-college interface luncheon). There is a complete program of activities focused on high school education.

Teachers will be able to register for the low price of \$69 which not only provides registration for the high school program, but also gives them access to the rest of the meeting, including the exposition. The Georgia ACS local section will fund up to 10 scholarships for teachers to attend this event. A short summary of the program follows:

Edible chemistry: teaching chemistry with food.
JCE Classroom Activities: How to use them and how to publish one.
James Bryant Conant Award Winner address & luncheon
AP Chemistry redesign of curriculum and exam.
CHED and the high school chemistry teacher.
Preparing for first-year college chemistry
JCE: A high school teachers' best friend.
Introducing an ACS advanced high school exam that does not require calculators.

See **you** in Atlanta, March 25-30, 2006. For more information, contact:

Stacey Lowery Bretz, Professor of Chemistry
Miami University, Department of Chemistry & Biochemistry
369 Hughes Hall, Oxford, OH 45056
513-529-3731 voice 513-529-5715 fax
bretzsl@muohio.edu <http://www.users.muohio.edu/bretzsl>

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January Meeting: Thursday, January 26**Science Policy: Advising the Federal Government
on Terrorism****Dr. Douglas J. Raber, GreenPoint Science**

Time: 6:30 - 7:00 PM Arrive
 7:00 - 8:00 PM Dinner
 8:00 - 9:00 PM Meeting and Presentation

Location: **Mary Mac's Tea Room**
 224 Ponce de Leon Avenue, NE
 Atlanta, GA 30308

Dinner: Classic Southern Food. "Ponce de Leon Special" includes choice of two entrees, three sides, one dessert, coffee and tea. (http://www.marymacs.com/pdf/Ponce_de_Leon_Menu.pdf) Menu choices may be made at the meeting from the list provided --- no need to send them with the RSVP.

Directions: On Ponce de Leon Ave., NE, three blocks east of the Fox Theatre. (<http://www.marymacs.com/map.htm>)

Cost: \$20 per person; \$15 for high-school teachers or full-time students with ID. Payment should be made to the "Georgia Section ACS" and will be collected at the door.

RSVP: Holly Davis, 404-676-2980 or hldavis@na.ko.com (preferred). Deadline for reservations or cancellations is 5:00 PM on Monday, January 23, 2006.

Member Survey A Big Success!

Rigoberto Hernandez and Don Hicks, ISACCommittee

When closed on December 15 last year, the 2005 Georgia Section Member Survey had more respondents than voters in the last election. Thus, it appears to be a big success! The officers sincerely appreciate the outstanding effort by all who shared their opinions.

Preliminary results indicate that almost one-fourth of the participants volunteered to serve our Section, and there was a good mix of responses from various demographic groups. The overall pool included about 20% younger chemists, 46% mid-career chemists, and 34% late career chemists. Also, 58% of responders had an industry- government lab-university research institute connection, 36% were in the students-faculty-teachers sample group, and 6% were unclassified.

Although 50% had attended a Section special event such as regional ACS meeting or mini-symposium at some time, only 45% had attended a regular Section meeting in the last three years.

Analysis of the survey responses continues and will appear in a future report.

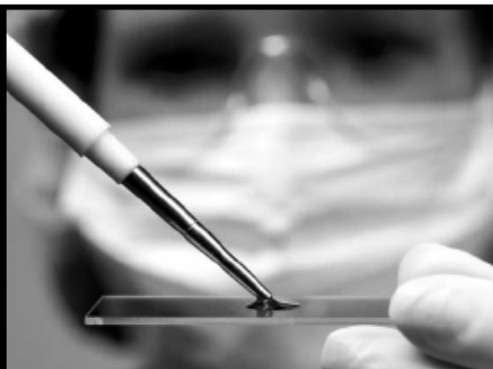
NOMINATIONS for the Georgia Section Herty Award are being accepted now—electronically! go to <http://chemistry.gsu.edu/ACS/herty/> for additional information. Deadline: February 28, 2006. Councilor Rig Hernandez is heading up the Herty nominations committee. The executive committee expresses its sincerest gratitude to Councilor LiHong D'Angelo for years of service chairing the Herty Award committee.

Coming soon—the National ACS meeting is being held in Atlanta this March 25-30, 2006.

Opportunities for local ACS section members to serve as the welcome committee to our many visitors for this week. More information in the February Filter Press—contact Councilor Don Hicks at dhicks34@bellsouth.net to volunteer.

A charity golf tournament is being planned for Wednesday, March 29 at 1:30 PM at the Bobby Jones Golf Course, to benefit young women chemist graduate and undergraduate students. In its third year, this event raises money that provides travel support to a national meeting where these promising candidates make a presentation of their work. Look to the February Filter Press for additional details, or contact Lissa Dulany, at lissa2005@mindspring.com for a registration form. We've determined that it's a perfect way to conclude a week of seminars and presentations, and benefit a good cause. Fore!

THE RIGHT TOOLS IN THE RIGHT HANDS



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Renee Cummings, Market Manager
Phone: (404) 459-2253
Fax: (404) 459-2257
Email: rcummings@kforce.com
www.kforce.com/scientific



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