



New Haven Section

VOLUME 23, NUMBER 1, February, 2006

March 14, 2006 – NEW HAVEN SECTION MEETING

Dr. Douglas J. Raber, Green Point Science

will present

**"Bombs and Anthrax: Advising the Federal
Government on Terrorism"**

April 5, 2006 – NEW HAVEN SECTION MEETING

**Dr. Ralph N. Blomster, University of Maryland at
Baltimore**

will present

"Folk Medicine -- Herbalism"

March Meeting Details

April Meeting Details

Biographies of Candidates for Section Offices

Ballot for 2006 Officers

Message from the Chair

March Meeting
Tuesday March 14, 2006
Yankee Silversmith Inn

Dr. Douglas J. Raber

will present

***Bombs and Anthrax: Advising the Federal Government
on Terrorism***

Yankee Silversmith Inn
1033 N. Colony Road (Rte 5)
Wallingford, CT 06492
(203) 269-5444

Social Hour: 5:30 p.m.
Dinner: 6:30 p.m.
Lecture: 7:30 p.m.

Website: www.yankeesilversmith.com



Abstract: 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.

Brief Biographical Sketch: 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 1990, 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 member and immediate past 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

Yankee Silversmith Inn – Tuesday March 14, 2006

Entrée choices: **Baked Chicken Breast** stuffed with 7 grains and vegetables, topped with orange cranberry glaze
Baked Stuffed Filet of Sole with seafood stuffing and Newburg sauce
Roasted Sliced Sirloin of Beef with natural pan gravy and mushrooms

Price: ACS Members/Guests \$25
Teachers/Retirees/Students/unemployed \$20
Price includes tax and tip. Cash bar.

All entrees are served with appetizer of chilled fresh cut fruit with lemon sherbet, salad, chef's choice of vegetable and potato or rice pilaf, Silversmith bakery basket, popovers, and deep dish apple crisp a la mode.

Please make your reservation by contacting **Dennis Jakiela** by **Friday March 10** at (203) 710-1406 or e-mail to: dennis.jakiela@hotmail.com. Please leave your name, telephone number, entre choice and number of reservations desired. Cancellations must be made Sunday March 12, or you may be charged for dinner.

You may also attend the lecture without the dinner. Please notify Dennis Jakiela so he can keep

Directions to Yankee Silversmith Inn

Traveling North or South on I-95 (from New York or Rhode Island): I-95 (North or South) to I-91 North (Hartford), go to Exit 15 (Durham/Yalesville). Left off exit onto Rt. 68W. Proceed 2.2 miles (6 lights) to Rt. 68 overpass. (Rt. 5 is directly under overpass) Turn right on Off Ramp. At the end of the Ramp turn right onto Rt. 5. The Yankee Silversmith is ½ mile on the left side.

Traveling South on I-91: Exit 15, take right off exit onto 68W. Proceed 2 miles (5 lights) to Rt. 68 overpass. (Rt. 5 is directly under overpass) Turn right on Off ramp. At the end of the ramp turn right onto Rt. 5. The Yankee Silversmith is ½ mile on the left side.

Traveling North on the Merritt or Wilbur Cross Parkway (Rt. 15): Exit 66, turn right at the end of the ramp. The Yankee Silversmith is a fraction of a mile on the left.

Traveling South on the Merritt or Wilbur Cross Parkway (Rt. 15): Exit 66, the Yankee Silversmith is at the end of the ramp straight ahead.

April Meeting
Wednesday April 5, 2006
The Graduate Club

Dr. Ralph N. Blomster

will present

Folk Medicine -- Herbalism

The Graduate Club
155 Elm Street
New Haven, CT 06511

Social Hour: 5:30 p.m.
Dinner: 6:30 p.m.
Lecture: 7:30 p.m.

Website: www.graduateclub.com/files/map_downtown.pdf



Abstract: Folk medicines have been demonstrated to exert a powerful governing force on many cultures of the world today. In these days of scientific knowledge and reasoned logic, belief in folk medicine (herbalism) is still strong, and many people have great faith in herbal products. The use of herbal products is increasing among the general population for a wide variety of ailments and fills a niche in the field of alternative medicine. This is occurring because many of the population have suffered a loss of faith in contemporary medicine and have found that the use of herbalism, oriental medicine, and a variety of therapeutic procedures can

provide a mechanism of health care that better suits their needs than does that of the HMOs and managed care systems. Just what constitutes herbalism or folk medicine? Is it safe? Why does it exist? Humans love to experiment with self-medication, and people have used a wide variety of substances, some extremely noxious, until findings a variety of plants and other natural substances that alleviated their miseries or raised their spirits. Many of the products currently in vogue go back to Grandma's medicine chest. How good are these products? These home remedies were passed from generation to generation and evolved as specifics for defined diseases. Can we lower health costs with these cures? How useful are many of these products? Are they safe? How good are such products as boneset, mullein, tansy, echinacea, kava-kava, St. John's wort, valerian, jewelweed, ginkgo, and garlic? I will review and discuss many of the herbal products being suggested today and try to explain their rational use and decide if they are toxic.

Brief Biographical Sketch: BS 1953 Massachusetts College of Pharmacy MS 1958 University of Pittsburgh PhD 1963 University of Connecticut POSITIONS HELD: Instructor in Biological Sciences, University of Pittsburgh 1958-1959 Fellow, American Foundation for Pharmaceutical Education 1959-1961 Lederle Research Fellow 1961-1962 Assistant Professor of Pharmacognosy, University of Pittsburgh 1963-1966 Associate Professor of Pharmacognosy, University of Pittsburgh 1966-1968 Professor

and Chairman, Department of Pharmacognosy, University of Maryland at Baltimore 1968-1979 Professor and Chairman, Department of Medicinal Chemistry/Pharmacognosy, University of Maryland at Baltimore 1979-1989 Professor, Department of Biomedical Chemistry, University of Maryland at Baltimore 1989-1996 Professor Emeritus, Department of Pharmaceutical Sciences, University of Maryland at Baltimore 1996- Invited Speaker, American Chemical Society, Speakers Bureau 1972- Teaching Interests: Undergraduate: Pharmacognosy; Microbiology; Antibiotics; Natural Products Chemistry Herbalism and Alternative Medicine Graduate: Biosynthesis; Phytochemistry - Isolation of biologically active substances from plants; Chromatographic Methods; Isolation procedures; Phytochemical Screening; Chemotaxonomy. Research Interests: Phytochemistry Medicinal Folklore Evaluation Phytochemical Screening Collection and Extraction of Native Plants for Biological Testing Indexing, Storage and Retrieval of Phytochemical Literature Drug Plant Exploration in Primitive Geographic Areas Plant Tissue Culture and Biotransformations

The Graduate Club – Wednesday April 5, 2006

Entrée choices: **Pork Tenderloin**
Stuffed Filet of Sole

Price: ACS Members/Guests	\$25
Teachers/Retirees/Students/unemployed	\$20
Price includes tax and tip. Cash bar.	

All entrees include tossed salad, popovers, seasonal vegetable, dessert and coffee/tea/decaf.

Please make your reservation by contacting **Dennis Jakiela** by **Tuesday April 4** at (203) 710-1406 or e-mail to: dennis.jakiela@hotmail.com. Please leave your name, telephone number, entre choice and number of reservations desired. Cancellations must be made Sunday March 12, or you may be charged for dinner.

You may also attend the lecture without the dinner. Please notify Dennis Jakiela so he can keep the

Directions to The Graduate Club (see map on website)

FROM 91 NORTH, Hartford area: Take 91 South. Once in New Haven, take exit 3 (Trumbull St.). See footnote below.

FROM 95 NORTH, New London area: Take 95 South (West). Follow signs to 91 North, (Hartford/Springfield). On 91 North take exit 3 (Trumbull St.). See footnote below.

FROM SOUTH, Stamford area: Take 95 North (East). Follow signs to 91 North, Hartford/Springfield. On 91 North take exit 3 (Trumbull St.). See footnote below.

FOOTNOTE: At the end of Exit 3 off I-91, counting the light at the end of the ramp as #1 - Proceed straight through the light on Trumbull St. for a total of 4 traffic lights. At your 4th traffic light turn left onto College/ Prospect St. Go 2 lights and take a left onto Elm St. The Graduate Club is 150 ft. down Elm St on the left or use **Yale lot #51** behind The Club **after 4:00pm**. (See directions below).

After 4 pm parking: The entrance to **Yale Lot #51** is on Temple St. At the end of Exit 3, off I-91 go 3 traffic lights counting the one at the end of the Exit as #1. Take a left at the 3rd light onto Temple St. Go two blocks (passing Grove and Wall Streets). The entrance is the first driveway on the right past Wall St. Gates are lifted and open each evening @ 4:00pm during the week for parking.

Message from the Chairman -- I'd like to comment on several important issues concerning Section operation that have been addressed since the last bulletin was published back in November 2005. First, by a unanimous vote at a recent meeting of the Executive Committee, it was decided that to preserve continuity and succession of leadership, Dr. David Smudin would remain as Chairman for 2006, and Dr. Dennis Jakiela would continue as Program Chairman for this period. Second, partially due to the call for membership involvement, which appeared in the last bulletin, and partially due to some arm-twisting, we were able to put together a slate of candidates to run for election to positions currently vacant on the Executive Committee. These individuals, and the positions they are seeking, are listed on the ballot included as part of this publication. It is obvious from a glance at the ballot that, once again, insufficient member interest in involvement has resulted in only one name appearing on the ballot for each position listed. Despite the fact that the ballot does not provide the general membership with more than one choice of candidate for each office listed, it is the hope of the Executive Committee that as many members as possible will vote as a show of support for these candidates.

Finally, after much discussion, the Executive Committee believes that the Section will be able to provide the leadership necessary to continue most of its current programs and activities at least through 2009. These activities include the periodic dinner meetings at various venues in New Haven County, featuring speakers on a variety of topics of interest to the general membership.

Once again we ask for members to become involved with the activities of the Section, and we solicit inquiries and comments from the membership concerning these activities. We can be reached at the e-mail addresses listed below, and welcome the opportunity to meet you at upcoming meetings of the general membership.

Dr. David J. Smudin – 2006 Chairman dsmudin@aol.com

Dr. Dennis Jakiela – 2006 Program Chairman dennis.jakiela@hotmail.com

Election of New Officers for 2006 - Nominees

It is again time to choose officers for 2006. The positions open are Secretary, Councilor and Alternate Councilor. A short biography of each nominee for office is presented below.

Walter Krol – Secretary - Dr. Krol is an Assistant Agricultural Scientist at The Connecticut Agricultural Experiment Station where he works in the Department of Analytical Chemistry analyzing pesticide residues in produce. Prior to that he was employed at American Cyanamid as a radiochemist. He received his BS in chemistry from The University of Connecticut, Storrs, CT and an MS and PhD from The Johns Hopkins University, Baltimore, MD. He also did postdoctoral work at The Memorial Sloan-Kettering Cancer Center, NY, NY. Dr. Krol's current responsibilities also include participation in the Food Emergency Response Network (FERN) and in the Interstate Chemical Terrorism Network (ICTN). Both of these are Federal programs.

William Harned – Councilor - Dr. Harned received his BS in Chemistry from the University of Wisconsin, Madison and his MS and PhD from the University of

Illinois, Champaign. He did postdoctoral work at the Pesticide and Toxicology Laboratory at the University of California, Berkeley. He is retired from Chemtura Corporation (formerly Uniroyal Chemical). He has served as Councilor in the New Haven Section for 25 years. And is currently editor of the newsletter.

Ali Banijamali – Alternate Councilor - Dr. Banijamali is a Research Fellow in Crop Protection R&D at Chemtura Corporation, Middlebury, CT. He earned a BS in Chemistry from the University of Sciences in Iran, an MS in Medicinal Chemistry from Northeastern University and a PhD in Medicinal Chemistry from Massachusetts College of Pharmacy and Allied Health Services. He completed two years of Postdoctoral study in Medicinal Chemistry at Professor Alexandros Makriyannis' research laboratory at the School of Pharmacy, University of Connecticut. As a member of ACS since 1981, he has served as 2002 Program Chair, 2003 Chair and as Councilor of the New Haven Section. He is also an Adjunct Associate Professor at the School of Pharmacy, University of Connecticut.

Ballots are available only in newsletters mailed directly to section members.

New Haven Section Bulletin
William H Harned, Editor
535 Greens Loop
Cheshire, CT 06410

