



New Haven Section

VOLUME 23, NUMBER 2, April, 2006

May 10, 2006 – NEW HAVEN SECTION MEETING

Dr. Robert P. Bates, University of Florida

will present

"The Chemistry and Alchemy of Brewing"

June 3, 2006 – NEW HAVEN SECTION MEETING

(Student Awards Meeting)

William Brown, Director,

The Eli Whitney Museum

will present

"Playing with Fire"

May Meeting Details

June Meeting Details

Message from the Chair

Nominations for Chamberland Award

May Meeting
Wednesday May 10, 2006

SBC Restaurant & Brewery - Southport

Dr. Robert P. Bates, University of Florida, Gainesville
Food Science and Human Nutrition Dept.

will present

The Chemistry and Alchemy of Brewing

SBC Brewing Company - Southport
2600 Post Road
Southport, CT 06490
(203) 256-2337

Social Hour: 5:30 p.m.
Dinner: 6:30 p.m.
Lecture: 8:00 p.m.

Website: www.southportbrewing.com



Abstract: Beer making, one of the oldest examples of biotechnology, is a fascinating study of chemistry, biochemistry, and engineering. It combines well recognized and controllable reactions and operations with complex, poorly understood phenomena, including the psychosensory response. Surprisingly, some of the most sophisticated science and technology are employed in the efficient production of mass advertised, mediocre beers. In contrast, traditional "alchemy-driven" methods can produce exceptional yet under-recognized beers. Fortunately, there is an achievable balance between these extremes. This presentation will cover the brewing process from raw material selection and preparation through

fermentation to consumption. Emphasis will be on major pathways employed by brewers to produce a wide range of beers. These are exciting times for brewers and beer connoisseurs in the U.S. Future industry developments of relevance to consumers will be mentioned. With dedication and practice, the average chemist can brew above-average beers; so can the experienced kitchen alchemist.

Brief Biographical Sketch: Robert P. Bates received his B.S. degree in Food Technology from MIT. After several years in the food industry, he obtained an M.S. degree in Food Science from the University of Hawaii and a Ph.D. in Food Science from MIT. After a year at the Institute of Nutrition of Central America and Panama in Guatemala, he joined the University of Florida where he has been for 3+ decades. He is presently professor emeritus of Food Science in the Food Science and Human Nutrition Department. Bates' areas of interest are food processing and utilization, small-scale process and equipment development, fermentation technology and byproduct recovery, food product development, and international technical assistance. His major responsibilities involve teaching graduate and undergraduate

food processing, fermentation, and product development courses; and conducting research/extension activities in home, community, and small-scale industrial food processing operations. He has completed short and long-term international assignments in many countries in the Caribbean, Central and South America, and Asia. He fields frequent inquiries on food science and technology and related subjects from national, international, and industrial sources. Bates has developed and presented many short courses in the U.S. and overseas and has been an ACS tour speaker on various food science and technology topics for over 25 years.

SBC Restaurant & Brewery - Southport – Wednesday May 10, 2006

Entrée choices: **Pan Seared Salmon** - Filet of Atlantic Salmon, pan seared with a cashew crust, served over baby spinach with a Saba dressing

Penne Abbate - Pan roasted chicken, shrimp and sweet fennel sausage, sautéed with scallions and sweet peppers in a garlic cream sauce tossed with penne pasta

Panko Pork Loin – Boneless pork loin seared with a panko breadcrumb crust, topped with an onion marmalade pan sauce

Price: Reduced price – everyone – includes tax and tip \$15
Cash bar.

All entrees are served with mixed crispy green salad with fresh herb gorgonzola vinaigrette, SBC chocolate cake or dish of ice cream, and coffee or tea.

Please make your reservation by contacting **Dennis Jakiela by Monday May 8** at (203) 710-1406 or e-mail to: dennis.jakiela@hotmail.com. Please leave your name, telephone number, entrée choice and number of reservations desired. Cancellations must be made 24 hours prior to the meeting, 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 count of number of attendees, and arrive at the restaurant by 7:30 pm for the presentation.

Directions to SBC Restaurant & Brewery

From I-95 Northbound: Take exit 19, go straight until you come to Route 1 (Post Road). Turn right on the Post Road. The restaurant is on the left.

From I-95 Southbound: Take exit 20, make a left off the ramp, a left at the next stop sign, then a left at the next stop sign, then a left at the next stop sign into the parking lot.

National Chemistry Week 2006 - "Your Home—It's All Built on Chemistry"

October seems far away, but it and National Chemistry Week (NCW) will be here before we know it. Each year the American Chemical Society's NCW campaign reaches millions of people with positive messages about the contributions of chemistry to their daily lives. It is the one time during the year that chemists unite with the common goal of spreading the word that chemistry is good for our economy, our health, and our well-being. The celebration dates for 2006 are **October 22 - 28** with the theme, **"Your Home-It's All Built on Chemistry"**. Planning starts long before NCW arrives, and the New Haven Section coordinator is Caroline Maselli. Contact the NCW Coordinator at caroline.maselli@chemtura.com.

June Meeting
Saturday June 3, 2006
The Eli Whitney Museum

Mr. William Brown
will present

Playing with Fire

The Eli Whitney Museum
915 Whitney Avenue
Hamden, CT 06517

Website: www.eliwhitney.org
(203) 777-1833



Abstract: The A.C. Gilbert Company in New Haven produced Chemistry Sets from 1918 until 1968. They were second in popularity only to the Gilbert Erector Set. A lively tour of a fifty year old chemistry set finds basic experiments and a rich history of change in chemistry, society and childhood. Demonstrations that you can and cannot try at home will be included in the presentation: Alka Seltzer Rockets, and casting "Tin" soldiers in Gilbert Molds.

Brief Biographical Sketch: Wm. Brown is the

Director of the Eli Whitney Museum. He trained as a clinical social worker at Columbia University. He focuses on the role of experiment in learning. He is the curator of the Museum's A.C. Gilbert Project, and studies the social and intellectual contributions of the A. C. Gilbert Company.

The Eli Whitney Museum – Saturday June 3, 2006

Buffet Lunch: \$30, children \$10. Museum admission is free

Grilled flank steak salad with scallion, lime and ginger on baby greens with sesame dressing; Grilled mango barbeque salmon with tropical salsa; Buttermilk fried chicken; Grilled vegetables; Red bliss potato salad; Cornbread and biscuits; Fresh strawberry shortcake; Summer lemonade; Iced tea

Please make your reservation by contacting **Dennis Jakiela** by **Friday May 26** at (203) 710-1406 or e-mail to: dennis.jakiela@hotmail.com. Please leave your name, telephone number and number of reservations desired. Cancellations must be made 24 hours prior to the meeting or you may be charged for dinner.

You may also attend the lecture without the buffet. Please notify Dennis so he can keep the count of number of attendees, and arrive at the museum by 1:30 pm for the presentation.

Schedule: 11:00 am Social hour, tour museum and/or explore the hiking trails.
12:00 pm Buffet Lunch
1:00 pm Awards Ceremony
1:30 pm William Brown's Presentation and Demonstration
2:30 pm Guests are welcome to tour the museum and /or explore the hiking trails.

Directions to The Eli Whitney Museum

FROM I-91 NORTH or SOUTH: Take Exit 6, Willow Street. At end of ramp, take a right onto Willow. Go straight on Willow until road ends. Turn right on Whitney for 9/10ths of a mile. Museum is on the right side of the street before the waterfall. Barn is directly across the street on your left.

FROM I-95 NORTH or SOUTH: Take I-91 North to Exit 6, Willow Street. At end of ramp, take a right onto Willow. Go straight on Willow until the road ends. Turn right on Whitney for 9/10ths of a mile. Museum is on the right side of the street before the waterfall. Barn is directly across the street on your left.

FROM Merritt Parkway Merritt Parkway (Rt. 15) NORTH: Take Exit 61, Whitney Avenue, in Hamden. At end of ramp, turn left (south) onto Whitney. Follow Whitney 3 miles until you come to the light at the intersection at Armory Street. (Armory Street will jut out to your right and reservoir is on your left) Proceed straight through the traffic light. Museum is on your left just beyond the light, Barn is on your right across from the Museum.

FROM Merritt Parkway Merritt Parkway (Rt. 15) SOUTH: Take Exit 61, Whitney Avenue, in Hamden. At the end of the ramp, turn right (south) onto Whitney Avenue. Follow Whitney Avenue 3 miles until you come to the light at the intersection of armory street. (Armory Street will jut out to your right and the reservoir is on your left) Proceed straight through the traffic light. The Museum is on your left just beyond the light, the Barn is on your right across from the Museum.

FROM the New Haven Green: Travel north for 2 miles on Church Street. Church becomes Whitney at Grove Street. Museum is on the right side just before the light at Armory.

Reservations: Because seating is limited for this event, and a large turn-out is expected, you must sign up by May 26 to ensure a spot.

J~CHEM

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Dennis Jakiela, Ph.D.

P.O. Box 5242, Milford, CT 06460
203-710-1406, Dennis.jakiela@hotmail.com

Message from the Chairman

Congratulations to the following Section Officers who were recently elected via the ballot which appeared in the last Bulletin.

Dr. Walter Krol, of the CT Agricultural Experiment Station, was elected to serve as Secretary through 12/31/07. This is Walter's first term as an officer of the Section and we hope it will be an enjoyable and interesting experience.

Dr. William Harned, retired, has been re-elected to the position of Councilor that he has held for many years. Bill's level of involvement with Section activities is extraordinary, as he also serves as Editor of the Bulletin and Web Site Administrator. To lose Bill from the Executive Board would be like losing three people very experienced with the efficient operation of major Section activities. Bill's term of office as Councilor expires 12/31/08.

Dr. Ali Banijamali, Chemtura, was elected to serve as Alternate Councilor through 12/31/08. Ali has actively been involved with the operation of the Section for several years, having been elected to serve as Chairman in 2003, and appointed to serve as Chairman during the 1st half of 2005 following the departure of the elected Chair due to a change of employment. Ali has also served the Section as Alternate Councilor.

Despite the fact that due to lack of membership involvement the candidates for the last election ran unopposed, it is interesting to note that out of a Section membership of over 1000 members, only 15 votes were cast. Our thanks go out to all members who took the time to vote and show support for the candidates on the ballot.

If you were unable to attend the last two meetings of the general membership, you missed two informative talks on very interesting subjects by excellent speakers, fine dining, and social interaction with a group of individuals who share a common interest – Chemistry. Two more meetings remain before we break for summer vacation.

For the May meeting, which has "brewing" as its theme, Section officers have agreed to increase the meal subsidy, which means a lower meal cost for attendees. It is our intention to more heavily subsidize meal costs for most meetings for a while as an experiment to determine if the price of meals is a factor in low meeting attendance. In dealing with many restaurants having facilities to host our meetings, low meeting attendance has resulted in the Section having to pay a room rental charge. By boosting attendance, we hope to avoid having to pay room rental fees, which could be used for further increases to the meal subsidy.

At the June meeting, to be held at the Eli Whitney Museum, we will be honoring students who participated in the National Chemistry Week competition conducted by the Section. Because of sufficient help we were once again able to expose a group of elementary, middle, and high school students to interesting concepts in chemistry in a competitive manner. However, because of a lack of help, among other factors, we were unable to conduct the Chemistry Olympiad for high school students or honor an outstanding high school chemistry teacher this year. We hope to continue these programs in the future.

Please note that the first autumn meeting is tentatively scheduled for sometime in September, so expect to receive your next Bulletin in late August or early September. Current information regarding Section activities, a list of Section officers and committee chairs, along with other pertinent information can be found on the Section

Website at membership.acs.org/N/NewHaven. If you would like to become involved with activities and programs of the Section, please contact any of the officers listed on the website.

The officers of the New Haven Section wish you an enjoyable summer 2006.

David J. Smudin Ph.D., Chair, dsmudin@aol.com

Call for Nominations for the New Haven Section Maurice R. Chamberland Award

The New Haven Section of the American Chemical Society is seeking nominations of candidates for the Maurice R. Chamberland Award to be presented in 2006. The award was established to recognize scientific achievements of Section members currently or previously employed in chemical industry. To be eligible for the award the candidate shall have demonstrated notable innovation, discovery, or other outstanding contributions to chemistry, particularly as manifested in the application of chemistry to enhance societal well-being. Furthermore, the achievement or achievements qualifying the nominee for the award must have been accomplished while he or she was a member of the New Haven Section.

The award was established by the Section in 1976 to honor the memory of the late Maurice R. Chamberland, an industrial chemist, who was actively involved with the local section prior to his death. The award consists of an honorarium and a commemorative plaque.

The recipient will be required to deliver an address on the subject of his or her scientific work, preferably that for which the recognition has been made, at the dinner meeting at which the award is presented.

Previous awardees and their affiliations include the following:

Dr. Richard Henderson	Olin Corporation
Dr. Matthew L. Thakur	Yale University
Dr. Herman A. Bruson	Olin Corporation
Dr. Reinhard H. Richter	Upjohn Corporation
Dr. Rupert A. Covey	Uniroyal Chemical Co.
Dr. Richard N. Lambrecht	Yale University
Dr. Harold Greenfield	Uniroyal Chemical Co.
Dr. Patricia A. Turley	Olin Corporation
Dr. Robert G. Gregg	Uniroyal Chemical Co.
Dr. Ali R. Banijamali	Crompton Corporation

Written nominations should include the name and address of the nominee, a brief appraisal of accomplishments with emphasis on the work to be recognized by the award, and name, address, and signature of the nominator. Nominations should be sent to The Chamberland Award Committee, c/o Dr. David J. Smudin, 79 Middlefield Ave. Waterbury, CT. 06705-2726, or via e-mail to dsmudin@aol.com. The deadline for nominations for the 2006 award is Friday, June 30, 2006.

Did you ever notice that "two plus eleven" and "one plus twelve" not only give the same result but use the same letters?

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

*This Bulletin and other information is also posted on the
Section's **web site** at <http://membership.acs.org/N/NewHaven>*
