



THE FILTER PRESS

Newsletter of the Georgia Section of the American Chemical Society

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May, 2004

2004 Herty Medal Awarded to Professor Michael T. Crimmins

Professor Michael T. Crimmins of University of North Carolina at Chapel Hill (UNC-CH) has been chosen by the Herty Award Committee to receive the 2004 Charles Holmes Herty Medal. He is recognized for his seminal contributions in synthetic organic chemistry that are highly imaginative and of high quality. The award ceremony will be held in Atlanta at 6:30 pm on Monday May 24. See inside of the Filter Press for meeting details.

Michael Crimmins is Mary Ann Smith Distinguished Professor of Chemistry at UNC-CH. Among his many contributions to chemistry, Professor Crimmins is best known for his work in the area of stereoselective intramolecular photocycloadditions. His ability to synthesize functionally and stereochemically complex photocycloaddition substrates quickly and efficiently has greatly expanded the utility of photochemical processes for complex molecule synthesis. He has developed many novel and useful synthetic methods for total synthesis of complex, biologically important natural products. Professor Crimmins has published more than 100 peer-reviewed papers and scholarly contributions.

In addition to his outstanding contributions to science, Professor Crimmins is known as a “research supervisor, teacher, colleague and citizen”. He de-

votes much of his time and energy mentoring his graduate students, and teaching graduate and undergraduate chemistry classes. His efforts have been recognized by three teaching awards in 1997, 1999, and 2000 at UNC-CH. He is deeply involved in the chemistry department at UNC-CH and the community by serving as vice-chair of Graduate Studies (1995-2000), many other committees in the department and the university, and Chair of the ACS North Carolina Section in 1994.

Professor Crimmins has received many awards and honors including the ACS Arthur C. Cope Scholar Award, Academy of Distinguished Teaching Scholars Award and Tanner Faculty Award for Excellence in Undergraduate Teaching, at UNC, Chapel Hill.

The Georgia Section of the ACS proudly awards the Herty Medal to Professor Michael Crimmins, an outstanding scholar and educator.

The 2004 Herty Award Committee: Dr. Lihong D'Angelo (Chair), The Coca-Cola Company; Professor Phil Bowen, University of Georgia; Professor Dabney Dickson, GA State University; Professor Rigoberto Hernandez, GA Tech; Dr. Robert Lichter, Merrimack Consultants, LLC; Professor David Lynn, Emory University.♦

Monday, May 24, 2004, at Violette Restaurant, Atlanta, GA



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New Strategies for the Enantioselective Synthesis of Heterocyclic Natural Products

Michael T. Crimmins, UNC--Chapel Hill

Nature produces a stunning collection of topologically fascinating and biologically relevant structures as secondary metabolites. These interesting structures provide a unique testing ground for new reactions and strategies for the asymmetric construction of carbon-carbon bonds. Recent advances from our laboratory on the use of asymmetric enolate methods and their incorporation into novel strategies for the construction of various natural products will be described. In particular, new methods for the production of cyclic ethers with stereogenic centers at each of the carbons flanking the ether oxygen will be described. Strategies based on asymmetric aldol and alkylation reactions will be presented with an emphasis on their utility in the synthesis of natural products such as apoptolidin, brevetoxin A, gigantecin and the eunicellins astrogorgin and iso-orphirin. ♦

Councilors Report from ACS Meeting in Anaheim, CA

*Lihong D'Angelo, Don Hicks, Rigoberto Hernandez,
and Lissa Dulany*

All four councilors from our section attended the Spring ACS Councilors Meeting on March 31, 2004 in Anaheim, California. Fifty four percent of the 14,141 meeting attendees were regular members, 27% were students and 19 % were exhibitors and guests. Almost 8000 papers were presented. Here are some highlights from the meeting.

Election Results. The Committee on Nominations and Elections (N & E) presented to Council the following nominees for selection as candidates for President-Elect, 2005: Edward M. Eyring (Utah), F. Sherwood Rowland (UC-Irvine), Gary B. Schuster (Georgia Tech) and Isiah M. Warner (LSU). By written ballot the Council selected F. Sherwood Rowland and Isiah M. Warner as candidates for 2005 President-Elect. They join E. Ann Nalley, who was certified as a petition candidate for 2005 President-Elect.

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May Meeting

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2004 Herty Award Banquet

Professor Michael T. Crimmins
Mary Ann Smith Professor of Chemistry
University of No. Carolina, Chapel Hill

Violette Restaurant, Atlanta, GA

Date: Monday, May 24, 2004

Time: 6:30 - 7:00 p.m. Arrive
 7:00 - 8:00 p.m. Dinner
 8:00 - 9:00 p.m. Program

Dinner: Choice of Salade de Chevre Chaud, French Onion Soup, or Tomato Salad;
 Choice of Sesame Salmon, New York Strip Steak Forrestiere, Canard Grand Marnier, or Stuffed Chicken Breast;
 Choice of Chocolate Mousse or Pear Tart.
 Coffee, tea, or soft drink
 Cash bar

Location: Violette Restaurant
 2948 Clairmont Road
 Atlanta, GA 30329
 (404)633-3363

Directions: Take Exit 91 (Clairmont Road) off I-85 in either direction. Go north under the overpass; the restaurant is located about one-quarter mile from the exit on the left-hand side of Clairmont Road.

Cost: \$40 per person, including tax and service; high school teachers, \$25, full-time students with ID, \$20. Payment should be made to the **ACS Georgia Section** and will be collected at the door.

RSVP: Robert L. Lichter, 404-486-0452, or Rlichter@MerrimackLLC.com (preferred). Please give name, professional affiliation, and telephone number. Deadline for reservations and cancellations is 5:00 PM on Wednesday, May 19, 2004. **Indicate choice of starter, entrée, and dessert at time of reservation.**

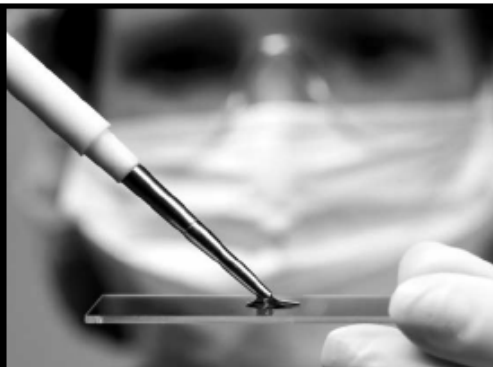
N & E also announced that councilors had elected petition candidate Kent Voorhees (Colorado) as a Director-at-Large in the special election held due to the death of Director Stan Israel. For the regular Fall 2004 Director-at-Large election, they introduced N&E candidates David Eaton (Delaware) and Theodore E. Tabor (Michigan) plus petition candidate Judith Giordan (Pittsburgh). Voting District IV councilors elected, by mail ballot, Eric C. Bigham (North Carolina), Paul R. Jones (Texas), and **our Georgia Section Chair Robert Lichter** to be District IV Director candidates for the 2005-7 term. Robert is on the ACS Budget & Finance committee.

Member Dues, Special Discussion, and Updating Society Regulations. The Council VOTED to set the member dues for 2005 at the fully escalated rate of \$123.00. Each year the Council approves member dues as authorized in the Bylaws.

A special discussion item occupied 27 % of the Council meeting time. First, ACS President Charles Casey and Board Chair James Burke briefed the Council on the status of partnership efforts between the American Chemical Society and the American Institute of Chemical Engineers (AIChE) and noted the implication of these efforts for ACS. Twenty two Councilors then participated in a discussion of this issue. Currently the ACS and the AIChE are pursuing a programmatic alliance that will more fully serve the needs of their members and the chemical enterprise, while enhancing both organizations' abilities to achieve their missions. Consideration also is being given to a membership alliance that could include expanded opportunities for members to participate more fully in both organizations. If this alliance occurs, ACS will not take on any of AIChE's current debt. AIChE has about 43,000 members with 8000 also being in ACS. In a joint membership alliance, ACS could gain perhaps 35,000 members and more clout. The discussion at Council revealed strong support for moving forward with these initiatives and identified key factors for consideration.

The Board VOTED to approve a revision to the Founding Document for the National Chemistry Week (NCW) Endowment. This change transfers responsibility of the annual financial status review for the National Chemistry Week Endowment from the Council Committee on Local Section Activities to the Board Committee on Community Activities. The endowment is used to fund annual NCW activities. Changing the NCW Task Force to an "Other" Committee of the Board has been proposed. ♦

THE RIGHT TOOLS IN THE RIGHT HANDS



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