Monthly Meeting
Henry A. Hill Award to D. Rickter; Frank Coppa Speaks

National Chemistry Week Programs
Brauner Memorial Lectures

YCC/NESACS
Exchange to Germany 2005

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Listing of Suppliers, Products and Services
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January 2005 issue: November 11

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Copyright 2004, Northeastern Section of the American Chemical Society, Inc.
The Northeastern Section has awarded Donald O. Rickter the Henry A. Hill Award for distinguished contributions to the Section and the profession of chemistry. The award will be presented at the Section Meeting on October 14.

Dr. Rickter’s service to the Northeastern Section ACS includes the following: Chair and Chair-elect (1998, 1999); Nominating Committee (Chair 2000, 1996); Co-Chair Professional Relations Committee (1997); Program Committee (1981 and 1998); Congressional Science Counselor for the 8th District, MA (1974-1998); Board of Publications (1983-1985); Alternate Councilor (various years since 1985); Assisted in the development of the NESACS website; Participated in the planning of the State Capitol Days (1998, 2000); Currently Calendar Coordinator for The NUCLEUS. In addition, Dr. Rickter has been a member of ACS since 1952 and served on the Presidential Task Force for K-12 education in 2001. Dr. Rickter is a member of the Division of Chemical Information and the Division of Professional Relations, and currently serves as an independent information consultant.

Dr. Rickter obtained his AB and MS degrees at the University of California-Davis and completed his graduate studies in Physical Organic Chemistry at Michigan State University (Ph.D. 1964). In addition to serving a couple of years in the United States Navy, and three years teaching at the high school and college level, Dr. Rickter was employed as Research Scientist and Information Manager at Polaroid where he authored several patents and publications, and served as liaison between Polaroid and NESACS between 1974-1996. ◇

This month we honor the memory of Henry A. Hill by giving an award in his name to a member of the Northeastern Section for meritorious service to the Section. The award was established in 1979 in the memory of Henry Hill by friends and colleagues in the Northeastern Section after his untimely death. The first award was made posthumously to Henry A. Hill in 1980; his son Anthony C. Hill, then a reporter for WGBH, accepted the award in Henry’s stead.

Who was Henry A. Hill? Henry Hill was Chairman of the Section in 1963. He was very active in the...
Abstract

Everyone has had at least one great idea. Just about everyone wants to know how they can protect the idea and profit from it. Patents often come to mind. While most people know a few things about patents, the specifics are often misunderstood. This talk will provide a bit of clarity about the Patent System, with some emphasis on chemical and materials patents. Patent strategy for the small business will also be discussed, along with some recent developments in the patent field. There will also be some helpful advice for individuals who want to patent and sell their own inventions. Invention-marketing companies will also be discussed.

Biography

Frank Coppa received his undergraduate degree in chemistry and mathematics from Boston College. After graduating, he worked for several years as a research chemist for PPG Industries in Pittsburgh. He then returned to school and received his law degree from Suffolk University. Upon graduation, he joined General Electric Company’s legal department, working in GE’s patent operation in Washington, D.C. He then transferred to the Corporate Research and Development Center in Schenectady, and later served as patent counsel at the GE Plastics facility in Selkirk, New York. He has been in private practice since 1992.
National Chemistry Week

Theme — Health and Wellness!

Phyllis A. Brauner Memorial Lecture

Sunday, October 17, 2004

11 am – 12 pm, repeated from 2 pm – 3 pm

Wellesley College, Science Center, Room 277

The Sunday presentations are free and open to the public. Tickets are available on a first come, first serve basis though reservations are recommended. To reserve tickets, please contact Marilou Cashman either via email mcash0953@aol.com (preferred) or by phone 1-800-872-2054. Tickets will be available for pick-up outside of the Science Center on the 17th. Parking is free. For directions to Wellesley College, please visit http://www.wellesley.edu/Admin/travel.html. While at Wellesley, a visit to the arboretum and greenhouses (which are open to the public) is a must.

For more information, visit http://www.wellesley.edu/FOH/greenhouse.html.

Kicking off National Chemistry Week 2004 Festivities

Special Guests – Tufts Dental Smile Squad

Join us in a variety of hands-on activities related to Health and Wellness including oral hygiene, germs, diabetes, and skin care, taking place from 10 am – 4 pm on October 17, 2004 outside of the Wellesley Science Center. In case of rain, these activities will take place indoors. For more information, please visit www.nesacs.org.

Call for Papers

Undergraduate Research Poster Session

at the

229th National Meeting of the American Chemical Society

San Diego, California

March 13 – 17, 2005

The ACS invites undergraduate students to submit abstracts of their research papers for presentation at the Undergraduate Research Poster Session (URPS), which will be part of the extensive programming for undergraduates at this national meeting. Submit your abstract electronically by November 22, 2004 to <www.acs.org/meetings>. Click on the CHED division and then select the URPS site that is appropriate to the subject of your paper. Please follow the directions carefully.

For further information, contact:

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1155 Sixteenth Street, NW
Washington, DC  20036
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e–mail: SAprogram@acs.org

Henry Hill Award

Continued from page 4

national ACS, and a member of, and chairman of several of its committees. He is especially remembered for his service on the Professional Relations Committee, where he drafted The Chemists’ Creed, a precursor to the Professional Employment Guidelines. He was Director of the ACS from 1971 to 1975 and was elected President-Elect and became President in 1976.

Born in St. Joseph, Missouri he obtained a bachelor’s degree from Johnson C. Smith University, then a segregated university for persons of
Call For Applications

YCC News

YCC/NESACS–JCF/GDCh
Exchange to Germany
April 3–10, 2005

The Younger Chemists Committee (YCC) of the Northeastern Section and the NESACS Education Committee invite applications from undergraduate and graduate students of chemistry, biochemistry, and chemical engineering at colleges and universities within the Section to spend a week in Germany as the guests of the Jungchemikerforum (JCF) of the Gesellschaft Deutscher Chemiker (GDCh). The exchange group will consist of up to 12 students and a number of faculty and industrial representatives.

The visit to Berlin, which will take place on April 3–10, 2005, will include a student chemistry research conference (Euregionale), symposia on careers, education, and international opportunities, visits to industrial and scientific institutions, and the opportunity to engage in extensive networking with German and other European students. Each student representative from the U.S. will be expected to make a poster or oral presentation (in English) on his/her research at the Euregionale, and upon return, at the Northeast Student Chemistry Research Conference (NSCRC) on Saturday, April 23. Travel expenses will be provided by NESACS; accommodations in Germany will be covered by GDCh. A working knowledge of German, while useful, will not be specifically required.

Application forms are available from department chairs and on the YCC <http://www.nsycc.org> and NESACS <http://www.nesacs.org/> websites. The following material must be submitted with the application form: the abstract of the presentation to be made at the Euregionale and the NSCRC, an essay on the relevance of the exchange to the student’s professional goals, a letter of recommendation from the student’s research

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The Thirteenth Annual ACS Northeast Regional Undergraduate Day will be held in celebration of National Chemistry Week (October 17-23) on Saturday, November 6, in the Metcalf Science Center at Boston University (590 Commonwealth Avenue, Boston). The keynote speaker will be Professor Matthew D. Shair of Harvard University, who will talk about his research in the application of biomimetic organic synthesis to chemistry and biology. The program will also feature the following sessions: technical talks by eminent researchers; a workshop on hands-on chemistry with children; seminars on graduate school preparation, industrial careers, and alternative employment pathways; a graduate and industry fair with résumé review and information about ACS career services; a workshop on the activation of ACS student affiliates chapters. There will be a $10 registration fee to offset the cost of lunch, which will be provided, and workshop materials. The event is sponsored by NESACS, and is hosted by the Department of Chemistry and Chemia, the ACS Student Affiliates Chapter at B.U. For more information, contact Kevin Burgoyne at 617-353-2503; fax: 617-353-6466; burgoyne@chem.bu.edu

Henry Hill Award
Continued from page 6

Henry A. Hill Award delivered by Arno Heyn at the 1991 Hill Award meeting, which was based on contributions from many members of the Section.

YCC News
Continued from page 7

Deadline for receipt of applications: November 1, 2004

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If you are not listed in this year’s Guide, please contact Vince Gale at: Phone 781-837-0424, Fax 781-837-8972, e-mail: vincegale@adelphia.net

The purpose of the Guide is to provide a ready reference of companies providing products and services that are of interest to our American Chemical Society members. Our members will use this guide as a way of finding vendors who can service their needs when they are trying to solve a problem, need equipment, restock inventory, or require consultant services, they will keep this reference until the next one is published.

This directory will be given to our 7,000 members for their use. This issue has excellent advertising value because it is kept and referenced for the full year. If you wish to be in next year’s Guide, please contact Vince Gale as noted above.

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Note also the Chemistry Department web pages for travel directions and updates. These include:

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- [http://www.bu.edu/chemistry/](http://www.bu.edu/chemistry/)
- [http://www.brandeis.edu/](http://www.brandeis.edu/)
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- [http://www.unh.edu/chemistry/topics.html](http://www.unh.edu/chemistry/topics.html)

**Oct 1**

Prof. Solon Georgiou (Univ. of Tennessee)  
Physical Chemistry Seminar  
Boston College, Merkert Room 130, 4:00 - 5:00 p.m.

**Oct 4**

Prof. Timothy Swager (Mass. Inst. of Technology)  
Harvard Univ., Pfizer Lecture Hall, 12 Oxford St., 4:15 pm

**Oct 5**

Dr. Mark Burk (Diversa Corp.)  
“A Genomics Approach to Discovery and Optimization of New Biocatalysts for Organic Synthesis.”  
Boston College, Merkert Room 127, 4:00 - 5:00 pm

Prof. Stephen Kent (Univ. of Chicago)  
“The Chemistry of Chemical Protein Synthesis: Methods & Targets”  
Tufts Univ., Pearson Chemistry Building, 62 Talbot Ave., Medford, Room P-106, 4:30 pm

**Oct 7**

Dr. Christopher Jarzynski (Los Alamos National Lab)  
Harvard Univ., Pfizer Lecture Hall, 12 Oxford St., 5:00 pm

**Oct 8**

Prof. Robert Woody (Univ. of Colorado)  
Physical Chemistry Seminar  
Boston College, Merkert Room 130, 4:00 - 5:00 pm

**Oct 12**

Prof. Li Deng (Brandeis Univ.)  
Organic Chemistry Seminar  
Boston College, Merkert Room 127, 4:00 - 5:00 pm

Prof. R. Mark Wightman (Univ. of North Carolina Chapel Hill)  
Idles Lecture Series “Detecting Neurotransmitters with Electrochemistry”  
UNH, Idles L103, 11:10 am

**Oct 13**

Dr. Gary Zhai (Dept. of Radiation Oncology and Neurosurgery, Harvard Medical School), “Re-balancing the Yin and Yang of Cancer through Molecular Targeting of Kinase and Phosphatase Signaling Pathways”  
UMass Dartmouth, Science & Engineering Building (Group II), Room 115, 4:00 pm

**Oct 14**

Prof. John Asbury (Stanford Univ)  
“Insights into the Complex Dynamics of Water Probed with Vibrational Echo Correlation Spectroscopy.” (Woodward Lecture Series in the Chemical Sciences/Phys. Chem. Seminar.)  
Harvard Univ., Pfizer Lecture Hall, 12 Oxford St., 4:00 pm

Prof. Dr. Kay Severin (Ecole polytechnique federale de Lausanne)  
“Synthesis of Catalysts and Receptors by Self-Assembly and Combinatorial Chemistry”  
Tufts Univ., Pearson Chemistry Building, 62 Talbot Ave., Medford, Room P-106, 4:30 pm

Prof. George Whiteside (Harvard Univ.)  
Tripathy Endowed Lecture  
UMass Lowell, Olney Hall, Room 218, 3:30 pm

**Oct 19**

Prof. Stephen Hanessian (Univ of Montreal)  
Organic Chemistry Seminar  
Boston College, Merkert Room 127, 4:00 - 5:00 pm

Prof. Mark Meyerhoff (Univ. of Michigan)  
“Synthesis of Radiotracer Chemicals for Brain Imaging Studies.”  
Northeastern Univ., 129 Hurtig Hall, 11:45 am

**Oct 20**

Dr. Joanna Fowler (Brookhaven National Lab)  
“Small Molecule Activation and New Bond-Forming Reactions by Low-Coordinate Late Transition Metal Complexes”  
Tufts Univ., Pearson Chemistry Building, 62 Talbot Ave., Medford, Room P-106, 4:30 pm

**Oct 21**

Prof. Kazunori Koide (Univ of Pittsburgh)  
Chemical Biology Seminar  
Boston College, Merkert Room 130, 4:00 - 5:00 pm

**Oct 25**

Dr. William Parsons (Merck Research Labs)  
“Polymer Science Seminar”  
Tufts Univ., Pearson Chemistry Building, 62 Talbot Ave., Medford, Room P-106, 4:30 pm

**Oct 27**

Prof. Nicholas Snow (Seton Hall Univ)  
“New Directions in Sampling for Gas Chromatography and Chemical Separations.”  
Northeastern Univ., 129 Hurtig Hall, 11:45 am

**Oct 28**

Prof. Charles T. Campbell (Univ of Washington)  
“Probing Chemical Reactions at Surfaces: A Few New Methods.”  
(Woodward Lecture Series in the Chemical Sciences/Physical Chemistry Seminar.)  
Harvard Univ., Pfizer Lecture Hall, 12 Oxford St., 4:00 pm

Prof. Vladimir Torchilin (Northeastern Univ.)  
Polymer Science Seminar  
UMass Lowell, Olney Hall, Room 218, 3:30 pm

**Oct 29**

Prof. Andrei Tokmakoff (MIT)  
Physical Chemistry Seminar  
Boston College, Merkert Room 130, 4:00 - 5:00 pm

**Notices for the Nucleus Calendar should be sent to:**

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e-mail: rickter@rcn.com