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To David K. Gosser, Jr., Jack A. Kampmeier and Pratibha Varma-Nelson

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Cover: The winning team from the 4th Annual NESACS Golf Tournament held
on June 25, 2008. L to R: Jeff Wilson, Aptuit; Paul Delfino, Delfino Marketing
Communications; Stu Needleman, Aptuit; Jim Bannister, Aptuit. (Photo by Amy
Tapper)

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The Nucleus Summer 2008 3
Summerthing 2008

NESACS AT FENWAY!
We have tickets for you for Futures at Fenway on Saturday, August 9th

The annual doubleheader will feature family-friendly ticket prices and kid-friendly activities. Get this: $12 covers a ticket and all handling fees! The day will begin with the Red Sox’ short-season Single-A affiliate, Lowell Spinners, squaring off against the Hudson Valley Renegades (Tampa Bay organization) at 12:05 p.m. That game will be followed by the Triple-A Pawtucket Red Sox battling the Charlotte Knights (Chicago White Sox organization) in the second half of the doubleheader. Your admission fee covers both games!

In addition to autograph sessions, kids attending the event will be selected randomly throughout the day to participate in a number of exciting activities, such as participating in mascot races and taking part in other on-field activities. At this price you can bring your friends and family for a wonderful day at Fenway Park seeing the Red Sox stars of the future.

This NESACS Summerthing event honors the late Wally Gleekman who in one of his many services to NESACS acquired our Fenway tickets.

To receive your tickets, send a check made out to NESACS to Marilou Cashman, 23 Cottage Street, Natick, MA 01760. Requests will be honored until tickets are gone, so get your tickets soon!

2008 Norris Award

David K. Gosser, Jr., Jack A. Kampmeier, and Pratibha Varma-Nelson to receive 2008 James Flack Norris Award

David K. Gosser, Jr., Professor of Chemistry at the City University of New York (City College), Jack A. Kampmeier, Professor of Chemistry Emeritus at the University of Rochester and Pratibha Varma-Nelson, Professor of Chemistry and Executive Director of the Center for Teaching and Learning at Indiana University-Purdue University, Indianapolis have been selected as the recipients of the 2008 James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry. The award will be presented on Thursday, November 13, 2008. The award is made annually by the Northeastern section of the American Chemical Society to recognize an individual whose dedication and excellence in the teaching of chemistry have had wide-ranging effects on the profession. Professors Gosser, Kampmeier, and Varma-Nelson are jointly recognized for their leadership work to develop the Peer-Led Team Learning (PLTL) Workshop model for teaching chemistry.

PLTL is a national partnership of faculty, learning specialists and peer leaders to help students build conceptual understanding and problem-solving skills in their science and math courses. The model introduces a new structure, the peer-led Workshop, where students work together to solve challenging problems designed by the faculty to engage them with the subject material and with each other. The team is guided by a peer who is trained to lead the Workshop. PLTL provides an active learning experience for the students, a leadership role for the undergraduate peer leader and a creative new dimension to faculty teaching. Currently, 1500-2000 peer leaders are engaged on more than 150 college and university campuses to facilitate Workshops for more than 20,000 students per year.

Gosser, Kampmeier and Varma-Nelson led the research and development of the PLTL model following its initial pilot at CCNY in the early 1990’s. Supported by a National Science Foundation “Systemic Change in Chemistry” grant, they worked with colleagues to formulate and implement the “Critical Components” for successful PLTL programs, to broaden the dissemination in chemistry teaching and beyond by encouraging PLTL leadership in biology, physics, mathematics and computer science, and to develop models for institutionalization of PLTL. PLTL continues to be a national partnership that builds on the contributions of hundreds of individuals; this team of three provided the essential continuity and leadership.

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www.nesacs.org/seminars

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Looking for seminars in the Boston area?
Check out the NESACS Calendar
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Lyman C. Newell Grants
for the 70th NEACT Summer Conference
“Nano-Fibers, High Tech Textiles, and Structural Color”
August 4-7, 2008
University of Massachusetts, Dartmouth, MA

The Northeastern Section of the American Chemical Society is again offering four Lyman C. Newell Grants for the New England Association of Chemistry Teachers’ 70th Annual Summer Conference. The total fees for Monday evening through Thursday morning, including registration, room and board, banquets and socials are $315.00. Each Newell Grant will be for $225, paid to the NEACT Summer Conference Registrar/Treasurer.

While preference will be given to teachers who are new to teaching or returning to teaching, the awards are open to all secondary school chemistry teachers. Applicants need not be members of the Northeastern Section of the American Chemical Society or of NEACT. Apply to NEACT directly. Please email Kathy Siok, the Registrar-Treasurer at NEACT at neact(at)cox.net or contact her by mail at: 86 Spring Road, North Kingstown, RI 02852, or via phone at 401.885.1608. Please make contact as soon as possible. There is no deadline for applying for the Grant. You will be asked to provide the following information:

Name, Address and home telephone number
Number of years you have been teaching
Present school, the courses you taught this year and the courses you expect to teach next year
Why you are a good candidate for a grant

Continued on page 20

Summer Scholarships Awarded
The James Flack Norris and Theodore William Richards Undergraduate Summer Research Scholarships for 2008

The Northeastern Section of the American Chemical Society (NESACS) established the James Flack Norris and Theodore William Richards Undergraduate Summer Scholarships to honor the memories of Professors Norris and Richards by promoting research interactions between undergraduate students and faculty. Research awards of $3250 have been given for the summer of 2008. The student stipend is $2750 for a minimum commitment of ten weeks of full-time research work. The remaining $500 of the award goes to the research advisor to use on supplies, travel, and other items relevant to the student project. The 2008 scholarships have been awarded to:

Derek Kong, Tufts University, Understanding P8 and PELP: Stress Induced Transcriptional Coregulators of Matrix Metalloprotease-9 in Heart Disease, Krishna Kumar, Advisor

Samuel Beal, Wheaton College, Chemical Weathering in the Hydrological System of the Greenland Ice Sheet, Evans Matthew, Advisor

Devon Heath, Stonehill College, Synthesis of 1,1,1-trifluoro-4-trimethylsilyl-2-butanone-3,3-d, Beta-Deuterium Isotope Effects of Electron-Deficient Gamma-Silyl Cations, Leon Tilley, Advisor

Alexander Gitlin, Harvard College, Molecular Regulation and Modulation of Beta Cell Identity and Function, Stuart Schreiber, Advisor

Award winners are required to submit a report of their summer projects by November 2008 for publication in THE NUCLEUS. They are also required to participate in the Northeast Student Chemistry Research Conference (NSCRC) in April 2009.

NESACS Members Receive ACS Awards

Two NESACS members were recognized by the ACS at the Awards Ceremony held on Tuesday, April 8, 2008, in conjunction with the 235th National Meeting in New Orleans, Louisiana:

Joanna Aizenberg (Harvard University) – Ronald Breslow Award for Achievement in Biomimetic Chemistry sponsored by Ronald Breslow Endowment. For her seminal studies of biomineralization mechanisms and their creative application in the pioneering work on biomimetic inorganic materials synthesis.

Eric N. Jacobsen (Harvard University) – Herbert C. Brown Award for Creative Research in Synthetic Methods sponsored by Herbert C. Brown Award Endowment. For his development of new methodology based on fundamental insights in mechanistic chemistry.

In addition, Dennis A. Dougherty (California Institute of Technology) was presented with the James Flack Norris Award in Physical Organic Chemistry sponsored by the ACS Northeastern Section by Marietta Schwartz, NESACS Chair: For his physical organic chemistry studies of high-spin polyradicals, the cation-II interaction in molecular recognition, and structure-function relationships in neuroreceptors and ion channels.

Award winners are required to submit a report of their summer projects by November 2008 for publication in THE NUCLEUS.
A Report on NSYCC Activities

Connect, Talk and Elect, but are you 35?
By Laila Dafik – NSYCC Chair (07-08)

2008 German-NSYCC Exchange

The German Chemical Society (Gesellschaft Deutscher Chemiker, GDch), and its Young Chemists Forum (Jung-Chemikerforum, JCF), welcomed to Germany 12 representatives of the NESACS Younger Chemists Committee (YCC) who had been selected by the German Exchange program steering committee. The delegates were accompanied by Prof. Ruth Tanner (University of Massachusetts Lowell), Prof. Mort Hoffman (Boston University- Professor Emeritus) Mike Strem (Strem Chemicals) and Dr. Bob Lichter (Merrimack Consultants, LLC). The visit came as the eight annual exchange program between the NESACS-YCC and GDCh-JCF, highlighting the close connection between the NESACS and the GDCh.

The weeklong program began on Wednesday, March 26th, with a day in Rostock and a tour of Rostock University. On Thursday Wendy Iskenderian (MIT) spoke in Frühjahrssymposium about her research. At the end of the day, a poster session was held where the American graduate and undergraduate students displayed their research posters and discussed their scientific progress. In addition, on Friday two students, Brett Fors (MIT) and Raymond Moellering (Harvard University), contributed oral presentations while the rest of the American group discussed their posters. At the end of the day, Frühjahrssymposium hosted a dinner coupled with a social evening where the American contingent had the opportunity to network with their German peers. On Saturday morning, Patrick Cappillino (Boston University) gave an oral presentation and received the third place award for best oral presentation.

The exchange participants were invited to attend Opera. Back row (l-r) Brett Fors, Adam Schell, Martin T., Carl Christianson, Dominik Margraf, Raymond Moellering, Jens Breifke, and Patrick Cappillino. Front row (l-r) Lynell Skewis, Jolene Schuster, Naho Fujimoto, Wendy Iskenderian, Gülbenk Anarat, and Laila Dafik.

2008 NSCRC awardees

Carl Christianson (Boston College) - Strem Excellent Oral Presentation Award
Erin Iski (Tufts University)- Vertex Excellent Oral Presentation Award
Adam Schell (Boston University) - Vertex Excellent Undergraduate Research Award

Continued on page 20
This account was submitted by incoming Chair, Leland (Lee) Johnson (leland.johnson@nsycc.org, Novartis-NIBR), with contributions by incoming Vice-Chair Deniz Yüksel (Tufts), and incoming Career Chair Lynell Skewis (Boston University). Note that while the German Exchange is one of our most important programs, details of this year’s exchange will be submitted for next month’s The Nucleus.

For the past three years, we each have been involved with the NSYCC and our respective university YCCs. During this time, a real effort has been made to improve upon the successes of our predecessors. We have the proverbial “big shoes to fill,” considering the strong past leadership of Amy Tapper, Lauren Wolf, Ivan Korendovych, and most recently, Laila Dafik. Centered around networking and professional development of younger chemists in the Northeastern Section, the committee’s activities have been heavily concentrated around certain key spring events, including the German Exchange, the Northeast Student Chemistry Research Conference (NSCRC), the Northeast Student Chemistry Career Fair (NSCCF), as well as YCC social events. These programs have focused on bringing together younger chemists still in school with their counterparts in professional careers in industry and government.

This spring, the committee, under the direction of Laila Dafik (Tufts), executed several successful events. For example, Alex Taylor (MIT) headed up a social event at Flat Top Johnny’s in Cambridge’s Kendall Square. Alex relied on word-of-mouth and the growing NSYCC emailing list to advertise the event. Eight two-person 8-ball teams competed to the bitter end, making networking connections and enjoying appetizers and refreshing beverages for a few hours one evening in April. Cash prizes were awarded to the top two teams, and overall, the event was a great success. For the next pool tournament, we hope to have greater participation by some of our area younger chemists in the pharmaceutical and biotech industry.

During the buildup to this year’s NSCRC at Tufts University, planning took place on the Tufts campus. Laila Dafik led the effort, reserving rooms, space, and contacting professors who might be available to share their work with the NSYCC. Deniz Yüksel has played an increasingly greater role in planning this annual event since her first association with the NSCRC in 2006. Held at MIT in 2006, Deniz volunteered at the registration desk and presented a poster. According to Deniz, since 2006, there has been a tremendous improvement in the organization of the conference and, pleasantly, higher attendance. For the past two years, there have been scores of posters and eight oral presentations each year.

We have been fortunate to have several major sponsors of the NSCRC, including Vertex Pharmaceuticals (2007, 2008), AstraZeneca (2007), Strem Chemicals, NESACS, Graduate Women in Science (GWIS, Alpha Omega Chapter), the Broad Institute (2008), Pfizer (2007), and Ziopharm Oncology (2007). For their dedication to the regional younger chemists, the NSYCC would like to thank the friends of the YCC at each of these companies and organizations. Because of these very generous financial gifts, the NSYCC was honored to host Professor Stuart Schreiber (the Broad Institute) who gave his keynote lecture entitled “Small-Molecule Probe and Drug Discovery”. Following his informative lecture, the NSYCC presented the following monetary and memorial awards (sponsors listed):

- Carl Christianson (Boston College) - Strem Excellent Oral Presentation, Top Award
- Erin Iski (Tufts) - Vertex Excellent Oral Presentation Award
- Adam Schell (Boston University) - Vertex Excellent Undergraduate Research Award

Margaret Thompson (Wellesley) - NESACS/NSYCC Excellent Undergraduate Research Award
Raymond Moellering (Harvard) - Vertex Excellent Graduate Research Award
Gülbenk Anarat (Boston University) - NESACS/NSYCC Excellent Graduate Research Award
Jeffrey Garber (Dartmouth College) - The Brauner Book Award
Wendy Iskenderian (MIT) - GWIS Award

A few years back, I was appointed to the position of Career Chair, and I immediately identified certain challenges facing the organization. Establishing, re-establishing, and maintaining a network of YCC supporters in the regional corporate community was one big hurdle to clear; the other was convincing corporations that the NSYCC, an organization run completely by younger chemist volunteers, was able to provide real value in recruiting new hires for positions in industry and publishing. I believe we have made significant progress on both of these fronts.

Last year, the pharmaceutical and biotech economy seemed to be in great shape, the corporate forecasts for hiring were also good, and the real challenge was re-establishing communications with, what turned out to be, multiple moving targets. Lists of corporate contacts were a great place to start, and I remember starting with a contact at a well-known pharmaceutical company located very close to the Alewife T-station. His name was on the contact list, and their logo was online as a recruiting sponsor at previous years, so I gave a call…no answer, voicemail. Thankfully, this scientist left an alternate contact number on the voicemail greeting, so I tried again. As it turned out, Steve Tam (Wyeth) was quite a sport, taking my call and talking with me at length about Wyeth continuing their recruiting sponsorship at the 2007...
NSYCC, 08 & Beyond

Continued from page 7

Career Fair. They joined, as did eleven other recruiting sponsors in 2007, enabling the NSCCF to be “in the black,” for the first time in years. We did this with a lot of work from NSYCC volunteers from several regional universities, as well as help from faculty and staff from colleges and universities within, and adjacent to, the Northeastern Section. The contacts initiated in 2007 have paid dividends again this year.

In early 2008, however, the economy and hiring environment had changed, and prospects for securing recruiting corporations for the Career Fair seemed pretty bleak. We decided to offer more value to our recruiting sponsors, with pre- and post-event online resume access, free parking at the event, and data CDs of resumes, to name a few. Our recruiters came from past lists, new phone calls, and responses to our announcements in The Nucleus. Recruiters this year included Adante Staffing, the Broad Institute, CreaGen Biosciences, Eisai (ERI), PCI Synthesis, Merck, Nature Publishing Group, and Sigma-Aldrich. As in the past, job seekers could also use the event to learn a bit about the job-seeking process. The ACS Career Services team, led by Dan Eustace, provided valuable and sometimes eye-opening advice regarding resume writing, interview preparation and techniques, as well as turning unexpected (bad) news from interviews into a positive learning experience. While the number of NSCCF job seekers and recruiting corporations was down from 2007, the overall event was still a success. One-on-one conversations between motivated job seekers and corporate recruiters, small group analysis and demonstration of interview skills, and personal attention to resume content and style ruled the day. The number of younger chemist organizers and volunteers for the event increased from 2007, including UMass Boston, UMass Dartmouth, and Boston University YCC members. We would again like to thank NESACS, the corporate recruiters, the corporate representatives, and job seekers for their participation this year.

So, what’s next?

Overall, the NSYCC executive committee wishes to honor our past leaders by building on the excellent foundation established during their tenures. We will expand our social activities, aiming for events that are interesting to younger chemists of all types, whether in school or out. Currently, our executive committee is focusing on several key goals (and accepting suggestions and new ideas on our website, http://www.nsycc.org). First, we seek to connect and reconnect with our section’s academic institutions. We will also build our network of younger chemists who have already started their careers. Be ready, as we will be emailing! As for next year, we will move toward an integrated set of spring activities. Returning to a two-day symposium on networking, professional development and career building may help our sponsors and our members more efficiently accomplish their individual goals without breaking corporate budgets for recruiting, discretionary YCC support, or personal bank accounts.

Specifically for the NSCRC, we would like the keynote lecture selection to come from the area’s younger chemists. As a student-invited lecture, Deniz (deniz.yuksel@nsycc.org) has joined the committee with this as one goal for the NSCRC. With a student-invited lecture, the selection of professors will be limited only by the number of individual suggestions. We all agree that the NSCRC has the potential to become a premier chemistry student symposium, and to this end, the publicity and social committees have dedicated their focus to establishing and expanding networks while executing a plan to keep the attendees and the sponsors pleased by the number of participants and the breadth of activities offered.

For the 2009 NSCCF, Lynell has a plan to increase the scale of the event, to provide expanded career opportunities for younger chemists in our section, and provide sponsoring companies with a pool of strong job applicants. To do this, she intends to build upon the already growing network of corporate contacts built over the past several years by Lee Johnson and his predecessors. In doing so, she will continue the important work by reaching out to regional companies that employ green, inorganic, physical and computational chemists. She is actively seeking contacts (lynell.skewis@nsycc.org) in the corporations in the area that generally spend thousands of dollars recruiting. These corporations will find that a small investment in the NSYCC could potentially save thousands of dollars in recruiting per applicant. The NSCCF offers the opportunity to meet these applicants before offering an on-site visit. By seeking corporate sponsors of the organization, instead of one event here and one event there, the NSYCC hopes to minimize paperwork and give transparency to our budget in an effort to reassure our corporate sponsors. To increase the number of younger chemists as participants and registrants, our committees will, with the help of the NSYCC publicity chairs, reach out to all of the colleges and universities in the section. Specifically, Lynell seeks to engage graduate and undergraduate student leaders in chemistry at colleges and universities in the section who have not yet fully benefited from the NSYCC functions in the past. Unfortunately, younger chemists, their corporate and academic advisors and representatives may not be aware of the opportunities available to them through the NSYCC. In an effort to keep our goals innovative and fresh, our leadership must be cultivated on an ongoing basis.

To make our annual leadership transitions as smooth as possible, the NSYCC has pledged to adopt a consti-
Two NESACS Students Garner Awards in Germany

By Morton Z. Hoffman

Patrick Cappillino, a graduate student at Boston University, and Shuyu Wang, a graduating senior at Harvard University, were recognized for their presentations at the 10th Young Scientists Conference on Chemistry, which was held at the University of Rostock, Germany, March 27-29, 2008.

Cappillino, who anticipates receiving his Ph.D. at the end of the year, received the third place award for his oral presentation, “Iron Compounds with \( \text{fac-N}_2\text{O}_5 \), cis-\( \text{N}_2\text{O}_5 \), and \( \text{N}_2\text{O}_3 \) Donor Ligands as Models of the Structure and Reactivity of Mononuclear Non-heme Iron Oxygenase Active Sites,” in which he described his doctoral research in the laboratory of Professor John Caradonna. Wang, who was one of ten students to be honored for the exceptional quality of their poster presentations, described her work with Professor Gregory Verdine, “Capturing AlkA in Action: X-ray Crystallography of a DNA Repair Glycosylase with Unusually Broad Substrate Specificity.”

The conference, which was organized by the Jungchemikerforum (JCF) of the German Chemical Society (GDCh), was attended by almost 400 students from 20 nations, including the group of three undergraduates and nine graduate students from NESACS, who traveled in the exchange program of the Education Committee and the Younger Chemists Committee. A total of 27 oral and 216 poster presentations were made.

In addition to Cappillino and Wang, the NESACS delegation included Gulbenk Anarat (graduate student, Boston University), Koyel Bhattacharyya (undergraduate, MIT), Carl Christianson (graduate student, Boston College), Brett Fors (graduate student, MIT), Wendy Iskenderian (graduate student, MIT), Raymond Moellering (graduate student, Harvard University), Adam Schell (undergraduate, Boston University), Jolene Schuster (graduate student, Dartmouth College), Lyn Skewes (graduate student, Boston University), and Ka-Lo Yeh (graduate student, MIT). Accompanying the students were Mike Strem (Strem Chemicals), Ruth Tanner (University of Massachusetts Lowell), Bob Lichter (Merrimack Consultants), Laila Dafik (Tufts University), and Morton Hoffman (Boston University).

This year’s trip to Germany marks the fifth occasion of a visit by a delegation from NESACS; previous exchanges took place in 2002 (Cologne and Aachen), 2003 (Munich and Dresden), 2005 (Berlin), and 2006 (Konstanz). In 2001, 2004, and 2007, delegations of German graduate students visited Boston. The next Frühjahressymposium will be held in Essen at the end of March 2009.

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Professor Langer Wins Millennium Technology Prize

The following announcement is from a press release by the Technology Academy Finland (June 11, 2008).

The 2008 Millennium Technology Prize was presented to Professor Robert Langer today in Helsinki for developing innovative biomaterials for controlled drug release. The world’s largest technology prize is awarded by Technology Academy Finland for a technological innovation that significantly improves the quality of human life and promotes sustainable development. President of the Republic of Finland Tarja Halonen handed Professor Langer the prize of EUR 800,000 and “Peak”, the prize trophy, at the Grand Award Ceremony on Wednesday afternoon.

Professor Robert Langer’s innovations have had a significant impact on fighting cancer, heart disease, and numerous other diseases. His work has also brought about significant advances in tissue engineering, including synthetic replacement for biological tissues such as artificial skin. Over 100 million people a year are already using advanced drug delivery systems and this number is rising rapidly. In the future, tissue engineering may revolutionize medical treatment that could affect millions of other individuals. “Tissue engineering holds the promise of creating virtually any new tissue or organ,” said Professor Langer.

Known as the father of controlled drug delivery and tissue engineering, Professor Langer has been cited as “one of history’s most prolific inventors in medicine”. Professor Langer’s research laboratory at MIT is the largest biomedical engineering laboratory in the world.

Chemists Celebrate Earth Day 2008

Streaming Chemistry

By Christine Jaworek-Lopes

On April 22, 2008, NESACS partnered with the Massachusetts Bays Estuary Association (MBEA) and the Malden High School Chemistry Club for a day-long event at the Boston Children’s Museum. More than 2000 individuals visited the museum that day. The MBEA provided an Enviroscape Model and demonstrated how pollutants from our homes ultimately end up in our water supply. Children used spray bottles to simulate rain and wash away the waste products (food coloring and spices).

In addition, the MBEA provided water samples from two Massachusetts bays. The Malden High School Chemistry Club showed visitors to the museum how to colorimetrically test for pH, water hardness, nitrates, iron, and phosphates in these water samples. In addition, visitors to the museum could test the pH of common household items such as soda and orange juice. Finally, the Malden High School Chemistry Club demonstrated water hardness by adding detergent to samples of hard water and soft water. Children and adults alike were amazed by the difference in lathering ability of these two extremes.

The 2009 Chemists Celebrate Earth Day theme is Atmosphere: “Air – The Sky’s the Limit”.

Illustrated Haiku Contest Winners

As part of the Chemists Celebrate Earth Day celebration, the American Chemical Society sponsors an illustrated haiku contest for students in grades K-12. The three haikus sent on to the national contest are below. Each student will receive an Earth Day 2008 t-shirt. The mentors will each receive either Apples, Bubbles, and Crystals – Your Science ABC’s or Real World Cases in Green Chemistry.

Grades K-2: Zacary Carelli – Shaker Lane School, Littleton

Mother Earth is good.
Rivers, her good creation.
Save all of the streams.

Grades 3-5: Jennifer Bindman, – Franklin Elementary School, West Newton

Water, drip drop splash!
Splatter rain pour, steam ice snow
Vapor, gas, water.

Grades 9-12: Ashley McGuiness, – Norwood High School, Norwood, MA

A tiny goldfish
Pollution destroyed his home
PLEASE! Keep water clean.
29th ALMA Conference

October 15-17, 2008
Waltham, MA

The 29th Annual conference “Tools of the Trade” for the Association of Lab Managers will be occurring October 15-17, 2008 at the Conference Center at Waltham Woods, Waltham, MA. For the first time in the history of this conference, the event will be held in New England. This is a unique opportunity for members of the Northeastern section of the American Chemical Society to be able to conveniently participate in this conference.

This conference promises to bring new management tools to everyone who attends. The workshops and conference cover a variety of topics of interest to all lab managers. And this year ALMA brings attendees a first - the opportunity to participate in team building activities where they will learn skills to share with colleagues back home. Be sure to bring sneakers! There’s even a tour of a state of the art R&D facility, and for those craving a bit of culture, a reception at a local museum.

As we New Englanders know, the Boston area is a hot bed for new ideas. We hope to share these with you in the comfortable and beautiful setting of the Waltham Woods Conference Center, just off Rte. 95 in Waltham, MA. Don’t miss this opportunity to add to your “tool belt” and to network with other lab managers.

This year’s theme of “Tools of the Trade” promises to bring skills to the experienced as well as the inexperienced technical managers. Below is a list of the topics and speakers:

- Communication Across Cultures. Mary Adams Viola, Tufts University.
- Wait a Minute! Hear me out.... Daniel J. Schnack, Virginia Tech.
- Going Paperless - Converting from Paper Forms to an Electronic Laboratory Notebook for Routine Analyses. Dale Seabrooke, Labtronics, Inc.
- Results of Pilot Trial with Electronic Laboratory Notebooks, Norm Lucas, Air Products and Chemicals, Inc.
- Becoming an Effective Mentor. John Ford, Project Solutions.
- Creating Innovative Space. Robin de la Parra, Millipore Corporation.
- Management the Hard Way... A Scientist in the King’s Robes. Mike Neag, ICI TechDirect.
- Applying Lean Principles in the Analytical Laboratory, Derek Lake and David Zoller, SABIC Innovative Plastics
- Essentials of Laboratory Safety. Wayne Collins, Agilent
- Leadership for the Twenty-First Century: What is Your Style? Alan Cabelly, Portland State University
- Maximizing Efficiency and Efficacy in the Global Analytical Laboratory. Jan Damm and Alexander Debets, Organon
- The Analytical Laboratory in a Regulated Environment. Tony Montana, Garden State Nutritional
- Practical Management of the Modern Analytical Laboratory. Claude Luchesi, Northwestern University
- Talent Management in the Lab: How Do You Get the Most Out of Your Workers. Alan Cabelly, Portland State University
- Influence Without Authority- So Logic Won't Work...Now What Do You Do to Influence Difficult People? Mary Adams Viola, Gordon Institute, Tufts University

On the last day of the conference, there will be a three hour team building exercise, “Exploring the Dynamics of Teamwork” which will bring into action multiple concepts of project management: planning, implementing, resource management, communication, leadership, problem solving, conflict management, change management, execution and quality. Each attendee at the conference will have the opportunity to participate in three distinct team-oriented exercises during this session. At the end of the exercises, there will be a debriefing session to discover the lessons learned during the exercises and discussions focused on how these lessons can be applied back at work.

If you need more information and/or would like to register please go to www.labmanagers.org

The NESACS website
Updated frequently • Late-breaking news • position postings
Back issues of the Nucleus archived • Career-related Links • Awards and Scholarships
WWW.NESACS.ORG

The Nucleus Summer 2008 11
National Chemistry Week Events
Celebrating
Having a Ball with Chemistry – October 18 -25, 2008

October 18, 2008 – Museum of Science Boston

- *Phyllis A. Brauner Memorial Lecture by Dr. Bassam Shakhshiri*
  Dr. Bassam Shakhshiri is a Professor of Chemistry at the University of Wisconsin-Madison and is the William T. Evjue Distinguished Chair for the Wisconsin Idea. Professor Shakhshiri has captivated audiences with his scientific demonstrations at a variety of locations including Boston’s Museum of Science, the National Academy of Sciences and the Smithsonian's National Air and Space Museum in Washington.

  Taking place in Cahners Theatre (2nd floor, Blue Wing) at 1:00 pm and 4:00 pm.

  * Admission to the museum is required for the 1:00 pm show. Free tickets to Dr. Shakhshiri’s show will be available on a first come, first serve basis.

  * Admission to the museum is NOT required for the 4:00 pm show. Tickets are available via advance reservation. To reserve tickets, please contact Marilou Cashman either via email mcash0953@aol.com (preferred) or by phone 1-800-872-2054 before October 15, 2008. Tickets will be available for pick-up in the lobby of the museum at the ACS table. Admission to the museum is required.

- *Kicking off National Chemistry Week 2008 festivities*
  Join us in a variety of hands-on activities related to the yearly theme. Taking place from 1:00 pm - 5:00 pm on October 18, 2008 in the lower level of the Blue Wing.

October 25, 2008 – Boston Children’s Museum

From 10:30 am – 4 pm, NCW volunteers will be on-hand throughout the museum to perform demonstrations and assist in hands-on activities related to the yearly theme.

September 1 – October 15, 2008


October 1 – 31, 2008

Grades 1-12 may participate in the puzzle contest. See www.nesacs.org or the October 2008 issue of the Nucleus for the puzzles and contest information.
NESACS Members Ride to Raise Money for Cancer Research

By Michael Filosa with contributions by Michael Serrano-Wu

Team Novartis

This is the second year that Team Novartis is riding in the Pan Mass Challenge (PMC) to raise funds for the Dana Farber Cancer Institute (DFCI). The Pan Mass Challenge will be held August 2-3, 2008. In 2007 Team Novartis raised $78,000 and the team has a goal of raising $100,000 this year. Team Novartis is composed of eleven riders including three NESACS members: Michael Serrano-Wu, Cary Fridrich and Greg Paris. Novartis has been very supportive of the team by providing funding and also raising awareness for the PMC and the team’s ambitious fundraising goal. In addition, Novartis matches donations from $25 up to $5000, per employee. More information can be found at the Team Novartis blog: http://teamnovartis.blogspot.com/.

The PMC was created by Billy Starr in 1980 as a memorial to his mother who died at age 49 from melanoma. In its first year the PMC was a 60-miler from West and North Sudbury to Sturbridge. In 1983, the team lost an inspirational leader, motorcycle rider and PMC veteran Tom LeBlanc, 3rd-year rider, Deanna Clarance and, 2nd year rider, Nucleus Editor, Michael Filosa. In 1990, Festivus and the Jimmy Fund were added to the PMC as a fundraising option. It is estimated that over $240,000 is raised annually in support of the DFCI’s Jimmy Fund. Last year the PMC and its 5400 riders smashed the PMC/Dana Farber/Jimmy Fund by raising $33 million. The goal this year is an even more ambitious $34 million. Even more impressively, 100% of each dollar donated to support riders went to the Jimmy Fund. The expenses of the event were totally covered by riders’ fees, sponsorships, donated products and services and an army of 2700 volunteers. In a new feature this year you can follow the progress towards the $34,000,000 goal on the homepage of the PMC: www.pmc.org As of July 7th there remains $24,000,000 to raise!

Team ZINK

Team ZINK (l-r) Tom LeBlanc, Deanna Clarance and Michael Filosa in Sturbridge after their traverse of Western Massachusetts in 2007.

Team ZINK is composed of 10-year PMC veteran Tom LeBlanc, 3rd-year rider, Deanna Clarance and, 2nd year rider, Nucleus Editor, Michael Filosa. Riding the traditional 192-mile ride from Sturbridge to Provincetown is not enough for this team. In 2001 Tom decided that he wanted to truly ride “pan-Massachusetts.” On the Friday before the PMC, he rode 87 miles with a friend from Hillsdale, NY to Sturbridge via Route 23 and Route 20. This route is a scenic trip through the Berkshires punctuated by a stiff climb to Blandford, an exhilarating downhill ride to Springfield and back uphill to Sturbridge. This ride has grown over the years to include riders from other teams such as the Norton Wheels, PMC Monsters, Big Blue Bottle for the Cure, Fidelity Investments and Brielle’s Brigade. In 2007 twenty-four riders started the ride from Hillsdale riding in a specially designed “Team LeBlanc” shirt. Although Team LeBlanc is not an official team, this dedicated group of riders collectively raised over $240,000.

Pamela Chen

Last year the Nucleus reprinted a story from the Needham Times about Pamela Chen, daughter of long-time NESACS Board Member, Michailne Chen. Pamela, though stricken with pancreatic cancer a year earlier, was striving to ride 84 miles from Wellesley to Bourne in last year’s PMC. She raised $6600 for the Jimmy Fund with her effort but, unfortunately, became ill very soon after the June article and, sadly, passed away on the Sunday morning of the PMC after her family had completed her route relay style on Saturday. This year Pamela’s brother Philip has dusted off his road bike and will ride the 84-mile route from Wellesley to Bourne in her memory. Pamela is just one example of the reasons we ride.

Cancer remains a scourge in our lives. President Jimmy Carter said, “There’s a cure for Cancer…it’s called research!” You can support the PMC/Dana Farber/Jimmy Fund by donating in the name of a PMC rider, a team, or the PMC in general at www.pmc.org The easiest way to support the NESACS riders in this event is to make an online donation. This can be accomplished by clicking the Egift button on the PMC home page and entering the riders Egift ID: Michael Serrano-Wu (EgiftID=MS0286), Michael Filosa (MF0153), Cary Fridrich (CF0087), Charles (Greg) Paris (CP0127), Philip Chen (PC0150). Alternatively, you can search for any participating rider by using the search feature located within “PMC Profiles” and entering their name. A common alternative to an electronic gift is a check written to the Jimmy Fund, PMC or DFCI and delivered/mailed directly to the individual rider. The rider will then send the check to the organizers of the PMC. ♦
Elections for the 2008-2009 NSYCC offices were held on Saturday May 31, 2008, at Tufts University. We would like to thank everyone who participated and the Tufts YCC for hosting the event. It is our pleasure to announce the following elected officials:

**Chair:** Leland “Lee” Johnson, Novartis-NIBR (BU)

**Vice-Chair:** Deniz Yüksel, Tufts University

**Career Chair:** Lynell Skewis, Boston University

**Treasurer:** Olga Makhlynets, Tufts University

**Co-Webmasters** T. K. Subrahmanian, Tufts University and Pat Cappillino, Boston University

**Publicity Co-Chairs:** Kathryn Bewley, Boston University and Shanadeen Begay, Boston University

**Social Co-Chairs:** Gülbenk Anarat, Boston University and Gökçe Su Pulcu, Boston University

The NSYCC wishes to thank NESACS, all of our corporate sponsors and corporate recruiters, and professional mentors for their financial support and advice over the past few years. We are looking forward to maintaining and growing these constructive networks as we plan for upcoming events. If you are a younger chemist in our section, please contact Lee Johnson, leland.johnson@nsycc.org with any comments/suggestions, or just to get involved!

Sincerely,

2008-2009 NSYCC Officers
Report from Istanbul

Frontiers of Chemical Sciences: Research and Education in the Middle East

by Morton Z. Hoffman

Three members of NESACS, Catherine Costello (Boston University School of Medicine), Chuck Kolb (Aerodyne Research, Inc.), and Morton Hoffman (Boston University), served on the Organizing Committee and attended the third “Malta” Conference in Istanbul, December 8-13, 2007, which, like its predecessors in 2003 and 2005, was dedicated to providing a bridge to peace and international development in the Middle East. Attended by more than 80 scientists from 14 Middle Eastern countries (Bahrain, Egypt, Iraq, Iran, Israeli, Jordan, Kuwait, Lebanon, Libya, Palestinian Authority, Qatar, Saudi Arabia, Turkey, United Arab Emirates), Malta-III was sponsored by IUPAC, ACS, the Royal Society of Chemistry (RSC), the German Chemical Society (GDCh), UNESCO, and Columbia College Chicago. Zafra Lerman of the latter institution, who initiated the conference series with the hope that cooperation in science, especially chemistry, could transcend the politics and tensions of the region, served as the conference chair.

Also attending the conference, in addition to representatives from the sponsoring organizations, were six Nobel Laureates who gave plenary lectures: Aaron Ciechanover (Israel), Chemistry, 2004; Richard Ernst (Switzerland), Chemistry, 1991; Roald Hoffmann (U.S.A.), Chemistry, 1981; R. Timothy Hunt (U.K.), Medicine, 2001; Walter Kohn (U.S.A.), 1998; F. Sherwood Rowland (U.S.A.), Chemistry, 1995. The opening lecture was given by Peter Atkins (Oxford University) on “The Nature of Energy.” The participants in the conference had the opportunity to exhibit posters on their scientific or educational projects, and make oral presentations at workshops on medicinal and natural products; nanotechnology and material science; alternative energy sources; science education and green chemistry; environmental air and water quality.

Compared to the restrained atmosphere at the first two Malta conferences, which were, indeed, held on Malta, this meeting was far more open with often heated, but respectful, discussions of the intersections of science, politics, religion, and philosophy. A female professor from Saudi Arabia openly described the status of women scientists in her country, and a chemist from the Gaza Strip evoked strong emotions as he spoke about the dangerous quality of the groundwater in the area. This latter presentation led to the unanimous acceptance of a resolution calling on the governments of the region and international agencies to “ignore their current disagreements and by drawing on scientific expertise urgently address the issue of water in the Gaza Strip, taking into account the whole cycle from collection to reuse.”

The conference gave scientists in countries, which have strained relations with each other or worse, opportunities to interact, network, and establish collaborations and connections, however tenuous. The attendees of Malta-III enthusiastically asked for the establishment of Malta-IV in 2009 at an appropriate location in the Middle East.


Historical Notes

We present here short biographies of chemists and chemical engineers whose deaths have been reported to us during the past year. We thank members of the Northeastern Section who have sent us obituary notices appearing in newspapers we do not see.

William E. Adams 1945-2008

William E. Adams, 62, of Bradford, MA, died of cardiac arrest on Sunday, March 2, 2008 after being stricken suddenly at home.

Born in Red Bank, NJ, on December 22, 1945, to parents William and Mayflower Adams, now deceased, he grew up along the New Jersey shore. A graduate of Bucknell University, PA, he earned his PhD in Chemistry at Lehigh University. Bill met his wife Lorraine through a Lehigh friend as he was doing post-doctorate research at Dartmouth Medical School in Hanover, NH. Married in 1978, Bill and Lorraine lived in their home in Bradford, working hard to update their 1880’s Queen Anne farmhouse. Bill began teaching in 1980 at Salem State College, where he served as Chair of the Department of Physics and Chemistry for one two-year term and was Professor of Chemistry there at the time of his death.

Bill had an interest in many things, and was often seen walking in local neighborhoods while listening to audio books on many different topics. He loved nature, feeding the birds, recycling, yard work, growing tomatoes for family, friends and neighbors, trying to photograph osprey and eagles in flight continued on page 19...
ACTIONS OF THE COUNCIL

Election Results
• The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2009: Thomas Barton, R. Stephen Berry, Joseph Francisco, and Josef Michl. By written ballot, the Council selected Joseph Francisco and Josef Michl as candidates for 2009 President-Elect. These two candidates will stand for election in the Fall National Election.

• The Committee on Nominations and Elections announced the results of the election to select candidates from the list of nominees to represent District III and District VI on the Board of Directors for the term 2009-2011. Nominees for District III included: Pat Confalone, Alan Cooper, Catherine Fenselau, and Judith Summers-Gates. Nominees for District VI included Bonnie Charpentier, Gary Christian, David Dooley, and Dennis Lichtenberger. By mail ballot, the Councilors from these districts selected Pat Confalone and Alan B. Cooper as District III candidates; and as District VI candidates, Bonnie Charpentier and Dennis Lichtenberger. Ballots will be mailed on or before October 10 to all members in District III and District VI for election of a Director from each District.

Candidates for Directors-at-Large
• The Committee on Nominations and Elections announced the selection of the following candidates for Directors-at-Large for a 2009-2011 term: William Carroll, Richard Deming, Thomas Gilbert, and Marinda Li Wu. The election of two Directors-at-Large will be conducted in the fall. Ballots will be mailed to the Council on or before October 10.

Petitions
• The Council received three amendments to the ACS Bylaws (Petitions) for action: the Petition on Election Procedures for President-Elect and District Director, the Petition on Election Procedures 2006, Part 2, and the Petition on Membership Categories and Requirements.
  • The Council VOTED to approve the Petition on Election Procedures for President Elect and District Director. This petition seeks to make the balloting procedure more uniform and to avoid the complications and expense of runoff elections.
  • The Council engaged in a lively debate on the Petition on Election Procedures 2006, Part 2, and entertained two motions: a motion to recommit and a motion for a recorded vote. Both motions failed. The Council ultimately VOTED by a show of hands to approve the Petition on Election Procedures 2006, Part 2. This petition standardizes election processes for President-Elect and all Director positions based on percentages of voting members, and increases the number of required signatures.
  • The Council also debated the merits of the Petition on Membership Categories and Requirements and ultimately VOTED to approve this petition via a recorded vote. This petition broadens qualifications for membership and creates a new category of student membership. The Board of Directors will vote within 90 days on whether to ratify the approved petitions. The Petition on Membership Categories and Requirements contains changes to the ACS Constitution, and not just the Bylaws. Therefore, these changes must be approved by ACS members in the fall to be valid.

• The Council received one petition for consideration: the Petition on Society Affiliate Dues. This petition sets Society Affiliate dues equal to the (full) membership dues, and not subject to any of the discounts otherwise applicable to membership dues. Action is expected on the petition at the fall national meeting.

• The Petition on Local Section and Division Election Procedures was withdrawn. This petition offers resolutions for handling tie votes in Councilor or Alternate Councilor elections in a local section or division.

2009 Member Dues
• The Council VOTED to set the member dues for 2009 at the fully escalated rate of $140. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

The Society’s Finances
• The Society ended 2007 with a net from operations of $9.6 million, which was $2.2 million favorable to the approved budget. This was based on total revenues of $444.2 million and total expenses of $434.6 million. The Society ended the year in full compliance with the Board established financial guidelines.

Attendance Report
• As of April 9, 2008, the ACS spring national meeting had attracted 13,302 registrants as follows: Regu-
lar attendees 6,681; Students 4,659; Exhibitors 1,156; Exposition only 374; and Guests 432.

Revision of the Division Funding Formula
• After considerable discussion, the Council VOTED to recommit the revised division funding formula, as presented by the Divisional Activities Committee, to the committee for further action at the fall national meeting.

Local Section Name Change
• The Council VOTED to change the name of the University of Kansas Local Section to the Wakarusa Valley Local Section. Although many of the section’s members work for the University of Kansas, supporters said that the geographically and occupationally diverse interests of the members would be much better represented under the name Wakarusa Valley Local Section.

Member Statistics
• At the close of 2007, Society membership totaled 160,052, despite a net loss of 439 members at the end of the year. Also, 2007 recorded the second highest number of new applications – 16,533.

Academic Professional Guidelines
• The Council VOTED to approve the Academic Professional Guidelines as submitted by the Committee on Economic and Professional Affairs. These guidelines apply to those members of the academic community whose job function impacts directly or indirectly on scientists practicing the profession of chemistry.

Actions of the Board of Directors

Committees Actions
• The Board received reports from the Committees on Grants and Awards, Public Affairs and Public Relations, Professional and Member Relations, and Budget and Finance. On the recommendation of these committees, the Board took the following actions:
  • As presented by the Committee on Grants and Awards, the Board received a report on the screened list of candidates for the 2009 Priestley Medal, Volunteer Service Award and Parsons Award. The Board agreed to announce the winners of these three awards after its June meeting.
  • On the recommendation of the Committee on Public Affairs and Public Relations, the Board VOTED to approve the tagline “Chemistry for Life” as the central theme of the Communications Strategic Plan and for use on appropriate Society materials.
  • On the recommendation of the Committee on Professional and Member Relations, the Board VOTED to adopt the ACS Diversity Partners Program – a three-year pilot program designed to broaden participation in the chemical sciences among diverse and traditionally underrepresented groups.
  • On the recommendation of the Committee on Budget and Finance, the Board VOTED to support having the Committee on Education (SOCED) pursue the US hosting of the International Chemistry Olympiad in 2012.

Activities of the Board’s Task Forces
  • The Board also received updates from two Society initiatives: the Web Presence Initiative and the ACS Leadership Development System (LDS). The newly re-invented ACS website launched September 30, 2007, and features a unifying global navigation and dramatically improved user experience. The LDS offers a comprehensive leadership curriculum that provides practical courses for managing one’s career and tools to more effectively lead ACS volunteer initiatives.

Strategic Mega Challenges
• The Board of Directors recently agreed to devote a significant portion of its meeting to deliberation of strategic mega challenges of importance to chemistry and the American Chemical Society. At this meeting, the Board reviewed its committee infrastructure and VOTED to amend its Regulations to reclassify all Board committees as either Standing or Special Committees. As a follow-up, the Board of Directors met with the Committee on Committees to engage in further discussions on the overall enhancement of ACS committees.
  • The Board also spent considerable time deliberating the strategic mega issue – Global Scientific Challenges. In general, global scientific challenges are those areas of concern where chemistry can make a substantial contribution in improving people’s lives. The Board plans to complete its discussions on this topic at the June meeting.

Compensation of Society Staff
• On the recommendation of the Committee on Executive Compensation, the Board VOTED to approve several actions relative to compensation for the Society’s Executive staff. The compensation of the Society’s executive staff receives regular review from the Board.

The Executive Director/CEO Report
• The Executive Director/CEO, along with several of her direct reports, updated the Board on the following items: Policy issues for a newly revised IRS Form 990 and the activities of Chemical Abstracts Service, the Publications Division, and the Society’s General Counsel.

Joint Board/Nominations and Elections Luncheon
• Following its regular meeting, the Board of Directors, at the invitation of the Committee on Nominations and Elections, met to enhance their mutual understanding of each other’s needs and processes.
Interviewing in the Bio-Pharma Industry

Megan Driscoll, President, PharmaLogics Recruiting
www.PharmaLogicsRecruiting.com
www.MeganDriscoll.com

3rd of a 4 part series:
Part 1- The Telephone Screen
Part 2- The Face-to-Face Interview
Part 3- The Scientific Presentation
Part 4- The Offer Stage

Part 3- The Scientific Presentation
The presentation portion of your interview is make or break. If your scientific presentation is poor, it is highly unlikely that the rest of the group will be too. This direction will also help you understand what subject matter is relevant to his or her group’s focus. To some hiring managers it might not matter what you talk about. These hiring managers are using the presentation to evaluate your communication skills and assess how you field questions. However, as you interview for more senior level positions, what you actually choose to talk about will be evaluated and the best person to put you on the right track is the hiring manager. Your asking for help on topic selection shows you are interested in fully preparing for your interview.

1-Ask the hiring manager for guidance on choosing your topic
Don’t be shy about calling or e-mailing the hiring manager for advice on topic selection. If the hiring manager is excited about your talk, it is very likely that the rest of the group will be too. This direction will also help you understand what subject matter is relevant to his or her group’s focus. To some hiring managers it might not matter what you talk about. These hiring managers are using the presentation to evaluate your communication skills and assess how you field questions. However, as you interview for more senior level positions, what you actually choose to talk about will be evaluated and the best person to put you on the right track is the hiring manager. Your asking for help on topic selection shows you are interested in fully preparing for your interview.

Generally, hiring managers appreciate presentations in the following format:

• Statement of the problem or project.
• Identification of the expected outcome or theory.
• Description of the methods and tools used and results of those “tests.”
• Discussion of the problems or obstacles encountered, either expected or unexpected.
• Outcome, and if different from expected outcome, why.

If at all possible, compose your scientific data in this way. It will allow the attendees to see how you think through a process and overcome obstacles, a skill everyone in the Bio-Pharma industry is interested in.

2- Practice, Practice, Practice
Be sure your presentation is peer reviewed and one that you have given several times before. If this is a new presentation for you, take the time to give the presentation as many times as possible to your colleagues or scientific friends and make sure to solicit feedback from them. You are better off knowing the truth about your presentation before you get into an interview setting.

It is also important to know your audience. Because there will likely be employees from all parts of the organization at your presentation, be sure to speak at a level that everyone can understand. Therefore, when practicing, invite people to your presentation that are both junior and senior to you.

3- Anticipate questions and prepare answers
Preparation for the question and answer session is key. During your practice rounds, encourage your peers to ask questions and write down those that were asked. Reflect on those questions and come up with clear and concise answers. This preparation will help you avoid giving only yes or no answers on the day of your interview.
Historical Notes
Continued from page 15
in Maine. He collected many tidbits of family history, proud of his British heritage through his mother, to whom he was very close and devoted. He was hoping to equal her long life of 97 years. He enjoyed his role as a parent to his two daughters, whom he loved so much. Bill found ways to support them as they grew, from building sled runs in the back yard, presenting fun science lessons in their elementary school classes, or helping with chemistry homework, to more young adult activities like cheering on Elizabeth in her first marathon and helping Emily with car maintenance.

And of course he was full of fatherly cautions and advice, not always outwardly appreciated. The family’s three cats became his surrogate children as the girls left home. Bill had a number of aspirations that were left unfulfilled—writing a chemistry text for middle school science teachers, formalizing his family history research, traveling to his British roots, becoming a grandfather, finishing many home renovation projects, enjoying retirement with his wife. Until

Bio-Pharma Interview
Continued from page 18
Hopefully you will not be asked something that you don’t know the answer to, but if you are, never make up an answer! State that you would like to think further about it and get back to them with the appropriate response. If this happens, do follow up with that person after the interview with a reply.

If you are interested in learning more interviewing techniques, please visit www.megandriscoll.com or www.pharmalogicsrecruiting.com

Megan Driscoll is the President and Founder of PharmaLogics Recruiting and the author of, “I Would Consider Any Reasonable Offer,” The only interviewing guide devoted exclusively to interviewing in the Bio-Pharma Industry.

Robert H. Linnell
1922-2006
We regret to inform you that Dr. Robert H. Linnell died at age 84 on November 5, 2006 in White River Junction, VT.

Linnell was born in Kalkasa, MI, August 15, 1922 to Earl and Constance Linnell. His secondary schools were at South Royalston, VT and Coe-Brown Academy, Norwood, NH and he earned bachelor’s and master’s degrees in chemistry at UNH. His WWII service in the Navy was working with radar and electronic systems. In 1950, he received his Ph.D. degree in physical chemistry from U. Rochester. He married Myrle Elizabeth Talbot, also a U. Rochester graduate, and they started careers at the American University in Beirut, Lebanon, where Robert rose through the ranks of the chemistry department to department chairman. In 1955 he became Vice President for Research and Development at New Jersey Chemical Co. They moved to U. Vermont in 1958, then moved on to Pennsylvania to head an air pollution research laboratory. In 1962 he was physical chemistry program director at the National Science Foundation in Washington, DC. In 1969 he became professor of chemistry at the University of Southern California, ultimately becoming dean of the College of Arts and Letters.

Retiring in 1985, he became president of the nonprofit Harmony Institute, conducting research in several safety areas. In 1992 he moved to White River Junction and devoted himself to a variety of local issues: Habitat for Humanity, The Upper Valley Community Foundation, and Community Colleges of Vermont.

In 1969 Linnell received an Outstanding Achievement Award from UNH. He was a leader in the Chemical Education Division of the American Chemical Society.

He is survived by his wife of 56 years, four children, grandchildren and great-grandchildren.
Newell Grants
Continued from page 5

Whether you are interested in a partial or full grant.

The Lyman C. Newell Grants commemorate a former chair of the Northeastern Section who was a distinguished chemist, teacher, and historian of chemistry. For many years he was chair of the Chemistry Department at Boston University. Lyman Newell served as the first president of NEACT from 1898 to 1900 and expressed a continuing interest in training chemistry students throughout his long career. His efforts are continued by grants that bear his name. ◇

NSYCC Activities
Continued from page 6

Margaret Thompson (Wellesley College) - NESACS/YCC Excellent Undergraduate Research Award
Raymond Moellering (Harvard University) - Vertex Excellent Graduate Research Award
Gülbenk Anarat (Boston University) - NESACS/YCC Excellent Graduate Research Award
Jeffrey Garber (Darmouth College) - The Brauner Book Award
Wendy Iskenderian (MIT) - GWIS Award

2008 NSYCC elections
For the first time, elections for the 2008-2009 NSYCC officers were held on Saturday May 31, 2008 at the Chemistry department of Tufts University. The elections were organized by the Tufts Younger Chemist Committee. This first round of elections generated new positions such as publicity and social vice-chairs. The publicity co-chairs will be solely responsible for advertising and reaching out to the entire Northeastern Section. Another noteworthy outcome of the election was the appointment a vice-chair who would help with the committee tasks and activities planning. This event marked the beginning of a new tradition, an annual conference followed by a round of elections for future NSYCC officers, who are not necessarily under 35. Being an ACS member and under 35 seems to be no longer a limitation to becoming a position holder in the committee. If the present committee or the future one decides to implement the National Younger Chemist guidelines, the question is, does being older than 35 matter?

For more information about the present committee please refer to our website www.nsycc.org ◇

NSYCC, 08 & Beyond
Continued from page 8

The continut offered by a functional governing document, coupled with motivated leaders seeking well-defined positions, will keep the NSYCC moving forward. As mentioned, the NSYCC executive committee has devised a plan to integrate our growing networks of volunteers, members, recruiters, and sponsors. This is where we need the most assistance and support from the chemists in the geographic area within and around the Northeastern Section. As many have found, establishing and maintaining functioning networks which include a dynamic membership is a difficult task.

We thank everyone again, and we encourage volunteers, members, sponsors and recruiters to contact us whenever they have a question or comment. We look forward to growing the NSYCC with your help. ◇

Q. Exactly, how many awards and scholarships does NESACS sponsor?
A) One  b) Two  c) Many
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Summer Historical Events In Chemistry

by Leopold May
The Catholic University of America, Washington, DC 20064

July 2, 1862
William H. Bragg, a researcher in X-rays and crystal structure; was born on this date. In 1915, he shared the Nobel Prize in Physics with his son, W. Lawrence Bragg, for their services in the analysis of crystal structure by means of X-rays.

July 11, 1811
William Robert Grove, who was born on this date, created a forerunner of modern fuel cells: the gas voltaic battery. He was the first to demonstrate the thermal dissociation of molecules and had a crater on the moon named after him.

July 19, 1921
Rosalyn S. Yalow, who was born on this date, developed the technique of radioimmunoassay. In 1977, she received the Nobel Prize in Physiology and Medicine for the development of radioimmunoassay of peptide hormones and shared it with Roger Guillemin and Andrew V. Schally for their discoveries concerning the peptide hormone production of the brain.

July 23, 1717
Joseph M. F. Lassone, who was born on this date, discovered carbon dioxide in 1776.

July 25, 1920
Rosalind Franklin, who was born on this date, did research in the X-ray crystallography of deoxyribonucleic acid (DNA) that led to the discovery of the double helix of DNA.

August 3, 1958
Fifty years ago on this date, the U.S. nuclear powered submarines, Nautilus and Skate, crossed under the polar ice cap.

August 6-7, 1890
During these days, the first National Meeting of the ACS was held in Newport, RI.

August 11, 1933
Seventy-five years ago on this date, Bristol-Myers was incorporated.

August 14, 1933
Seventy-five years ago, Richard R. Ernst was born. He did research in NMR development and in 1991 received the Nobel Prize in Chemistry for his contributions to the development of the methodology of high-resolution nuclear magnetic resonance (NMR) spectroscopy.

August 23, 1933
Seventy-five years ago on this date, Robert F. Curl, Jr., was born. He is a researcher in microwave and infrared spectroscopy and shared the Nobel Prize in Chemistry in 1996 with Harold W. Kroto and Richard E. Smalley for their discovery of fullerenes.

August 26, 1743
Antoine L. Lavoisier, the “founder of modern chemistry”, was born on this date. He stated the law of conservation of matter, determined the composition of nitric and sulfuric acids, “made water”, invented the gasometer, and introduced new chemical nomenclature.