



New Haven Section American Chemical Society Bulletin

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New Haven Section Chartered in 1912

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Last Call! (for snail mail)

The effort to print and distribute the paper copy of the general meeting announcements and newsletters is overwhelming. We will phase out paper copies by the end of the year. We are encouraging all those who still get the print copies to please update National ACS with an email address. In addition, please let us know so that we can add you to our directory.
(newhavenacs09@gmail.com)

Website Revamped

As we transition away from our paper mailings, everyone can look for the updates in our emails or at our revamped website, [New Haven ACS](http://www.newhaven.acs.org/) local section (<http://www.newhaven.acs.org/>).

Message from the Chair

Jefferson Chin

Summer is here! Hard to believe that 2010 is half through, but it is. Summer is a wonderful time where many people take some time to relax and perhaps go on a vacation. I am sure that there are many of you that will agree with me in saying that the summer is just too short. The school year has ended, my children have just finished cleaning out their backpacks and then it seems like the beginning of the school year sales have started. Where does the time go?

Summer is also the time for mid-year reviews (for those working in industry). I am sure that there are many of you that have just finished the process or are in the midst of working on the evaluations. So how are we doing? This spring we held four general meetings instead of our usual three, our average attendance for the general meetings is 30 (an increase of 25%), and at every meeting there is at least one new person in attendance. We have created, approved and awarded our new *Innovative Science Outreach Award*. We have increased our participation at the New Haven Science Fair by adding an additional award to recognize *Excellence in Chemistry* for grades K-8 and 9-12. We have recognized a High School teacher this year with our *ACS Teacher* award and provided a scholarship for the Science camp at the University of New Haven.

We've been busy and the things that we have accomplished so far have had some impact throughout the New Haven County. However, the one thing that has plagued the New Haven section has been the lack of interest of volunteers to be part of the local section leadership. Volunteering to be a part of the local section has been a great experience for me. Through my interactions, I have been able to meet many people outside my normal industrial interactions. It has been great to be able to talk to these people and learn about their field and more importantly just to get to know them. However being a part of the New Haven section is not all about networking, it is also about being part of a group that is dedicated to fostering science and chemistry throughout the New Haven county. Enthusiasm and ideas are the only requirements to be a part of the local section leadership. Interested? Attend a general meeting or email one of the executive board members.

General Meeting Update

Jefferson Chin

Summer is here so our general meeting schedule takes a break. This past spring we held 4 general meetings so we would like to thank our speakers once again. **Cathy**

Van Dyke and **Jay Kerwin** gave a motivational talk about the Greater New Haven Science Fair Mentoring program and rewarding it would be for ACS members to volunteer to be mentors. In March, **Chef Paul**, owner of Madison Chocolates, discussed the different types of chocolates and the chemistry behind the delicacy.

Maria Parr presented an overview on analytical techniques for archeology at our April meeting. Finally, **Sherry Mitchell** inspired the students to enjoy science through an interactive presentation that included using a pickle as a light source. *Thank you* to all our speakers.

Our general meetings have as always, been a time to casually learn about a new chemistry topic and meet some new people (networking) that are outside your field. I have met many new people over the past 2 years and it always amazes me, first that I can remember their name the next time they show up, and second there is at least one new person in attendance at every meeting.

Regarding our menus, I have had some feedback about the lack of menu information on the flyers that get sent out. I hesitate to put the menu on the flyers, simply due to the lack of space and in general it has been a buffet dinner. I try to select a menu that consists of at least a vegetarian entrée, a chicken and a fish. I do understand that people would like to know their dinner choices prior to attendance so I will put the menu on the website when the announcements go out. Of course, if anyone has concerns or questions, you can always email!

Our general meeting will start up in September and our schedule is shaping up nicely. Our first meeting has been scheduled for Wednesday, September 15; author and chemist; **Jack Li** will discuss the *History of Statins*.

Innovative Science Outreach Award (ISO)

This newly created award for the local section is to honor people within the New Haven County for creating innovative ways to emphasize Science to the general public. This year **Deepti Pradhan**, was awarded the ISO award for her efforts in creating the *Tilde Café*. The Tilde Café was founded in 2008 and is currently the only science café in Connecticut. Deepti created the Tilde Café with the vision: "*to demystify science and to make it more accessible to all.*"

High School Teacher Award

The high school teacher award is to recognize teachers that promote and encourage their students to enjoy science. This year **David Tremblay** from West Haven High school was honored with this award. David has

been a teacher for over 30 years and has been an active participant within the New Haven ACS. He has always encouraged his students to participate in the local section activities

Merck Index' Distribution

Through the generous donation of Merck, the ACS received Merck Indexes for distribution to the local section. The New Haven Section, throughout the past year, has been able to distribute their copies to teachers that have participated in the poster contest and Chemistry Olympiad. We still have a few extra copies. If you are a teacher and are interested in a copy for your classroom, please contact us.

A Salute to Longevity - Recognition of 50- & 60- Year Members

David Smudin

The Officers of the Section are pleased to announce that the following Section members will reach the milestone of 50 or 60 years of membership in the American Chemical Society in 2010.

50- Year Honorees

Dr. Larry Bausher

Mr. Donald Sumner Buell

Dr. Peter J. Desio

Dr. Walter A. Gay

60- Year Honorees

Mr. Joseph J. Levitzky

Dr. Douglas I. Relyea

Mr. Edward D. Walen

It is truly a pleasure to recognize these individuals and to congratulate them on their long record of ACS Membership, which has contributed to the success of the Society and the Local Section.

These members have been invited to be the guests of the Section at a meeting of the General Membership, so that we can honor them more appropriately.

Our formal recognition of these milestones was at the April 22, 2010 General Membership meeting. The following members of the Section were able to attend and we had the pleasure to personally present them with certificates commemorating their many years of affiliation with the American Chemical Society and the New Haven Section.

Dr. Peter J. Desio received his Certificate for 50 years of membership in the ACS. Dr. Desio is a native of Boston, Mass. He received his undergraduate degree from Boston College, and a Ph.D. degree from the University of New Hampshire where his research advisor was Prof. Paul Jones. After a period of Post Doctoral work at M.I.T., he joined the Faculty of Science and Engineering at the University of New

Haven, where he taught for 37 years until retiring in 2003. Dr. Desio is currently Emeritus Professor in the University of New Haven Department of Engineering.

Dr. Douglas Relyea received his Certificate for 60 years of membership in the ACS. Dr. Relyea is a native of Western New York State. He received his B.S. from Clarkson University, and M.S. from Cornell University, and a Ph.D. from the University of South Carolina under Prof. DeLos DeTar. After receiving his Ph.D., Dr. Relyea relocated to the University of Wisconsin for a year of Post Doctoral Studies after which he joined the U.S. Rubber Company (later Uniroyal, Inc.), which at that time was located in Passaic, N.J. Doug remained with that company, which underwent numerous name and location changes during his tenure, for 40 years, until his retirement in 1996. A greater part of Doug's career at Uniroyal has centered around the synthesis of heterocyclic sulfur and nitrogen compounds for evaluation as crop protection chemicals. He has authored or co-authored many scientific papers and has been the recipient of many patents for his work at Uniroyal. In retirement he has pursued and received a Masters Degree in Biology at Southern Connecticut State University. His research for that accomplishment was concerned with the Taxonomy of the May Fly. Dr. Relyea served as Chairman of the Local Section in 1987.

2010 New Haven Science Fair Program

David Smudin

The 16th Annual New Haven Science Fair was held at Commons Hall, Yale University on May 11 to 13, 2010. This year there were 269 projects entered in the Science Fair by students in grades PreK through 12, from schools in New Haven.

Last year the Officers of the Section agreed that a worthwhile endeavor was Section involvement in the New Haven Science Fair Program. At that time it was agreed that the Section would provide a monetary award for the entry which demonstrated; *Excellence in a Chemistry Related Science Fair Project*. The Section also provided two judges from the membership, to select the winner of the award. Although there were approximately 50 projects out of the 230 entered that were chemistry related, the judges found it very difficult to select the best one from the three or four that were exceptional. The problem that the judges were confronted with, was that there were equally outstanding projects from the PreK through 8th grade submissions, and from the 9th through 12th grade submissions.

Based on the recommendation of last year's judges, this year the Officers of the Section agreed to sponsor two awards; one for the PreK through 8th grade submissions, and one for 9th through 12th grade submissions. Members of the Section who volunteered to judge at the 2010 competition were, **Maria Parr** and **Walter Krol** (PreK – 8), and **Jerry Putterman** and **David Smudin** (9 – 12).

The award for *Excellence in a Chemistry Related Science Fair Project* from grades PreK through grade 8, was given to a team of kindergarten students from Mauro-Sheridan Inter-district Magnet School. The Project, entitled "**Orange Power to the Rescue**", was conducted by students **Jayden Morehead**, **Elsa Aronsen**, **Piper Forbush**, and **Jimmy Jeffrey**, under the direction of teachers **Eiko Hosozawa-Feldenzer**, and **Darla Martinez**. In this project, limonene (a biodegradable substance obtained from orange peels) was used to soften and release air entrapped in Styrofoam (polystyrene), products such as coffee cups, foam food trays, packaging "peanuts", etc. Over the several week period during which the project was conducted, the students learned about the environment, and how and why we should recycle things that we use. Styrofoam was an example of a material that doesn't break down in landfills, and is difficult and costly to collect and ship for recycling because of its bulk. The students demonstrated that they could reduce the volume of Styrofoam to approximately 23% of its original volume by treatment with limonene. The project was well organized and the students involved were knowledgeable and very enthusiastic. The project's take-home message focused on the development of more environmentally-friendly methods of waste disposal/reduction, and recycling.



"Orange Power to the Rescue" winners

The award for *Excellence in a Chemistry Related Science Fair Project* submitted by students in grades 9 through 12 went to **Adam Taylor**, a senior at Wilbur Cross High School, for his project entitled, "**Synthesis of Microporous Carbon Cryogel for use in Microbial Fuel Cells**". Adam's project involved the preparation

of a microbial fuel cell or device that converts chemical energy to electrical energy by the catalytic reaction of microorganisms. In carrying out his project, Adam studied the electrical output from microorganisms deposited on various microporous carbon cryogel substrates made from resorcinol formaldehyde polymers. Adam constructed his microbial fuel cells from materials he researched and obtained via the internet. Among the techniques Adam became familiar with in the conduct of his project were the safe handling of chemicals, lyophilization, high temperature sintering, and precise electrical current measurement. Adam's results showed a 4 fold increase in current flow using his substrate when compared with a control. In carrying out the project Adam received support and direction from his teacher at Wilbur Cross H.S., Mr. **Chris Willems**, and his mentor, **Mary DeRome**, a Senior Scientist at Artificial Cell Technologies in New Haven.



Adam Taylor

The 2010 U.S. National Chemistry Olympiad: A Hopkins School student selected to represent the U.S. at the 42nd International Chemistry Olympiad!

Olivier Nicaise

"Happy Summer" to you, supporters of the Chemistry Olympiad, and welcome to the 2010 U.S. National Chemistry Olympiad update!

I am sure that you all remember my predictions earlier this year: "It is 2010, and the U.S. National Chemistry Olympiad is naturally back! There is excitement in the air, I can feel it: 2010 will be indeed a very special and successful year for the ACS New Haven Local Section and its Chemistry Olympiad competitors!" As a matter of fact, 2010 is indeed very well on its way to be a very special and memorable year for our Section and its U.S.

National Chemistry Olympiad program, thanks to its brilliant competitors!

The Chemistry Olympiad is a multi-tiered competition designed to stimulate interest and promote achievement in high school chemistry, and it brings together the world's most talented high school students to test their knowledge and skills in chemistry. This program also provides recognition of outstanding young chemistry students, teachers, and schools. Nations around the world conduct examinations to nominate the most high-performing students for the International Chemistry Olympiad (IChO). The local and U.S. National Chemistry Olympiad (USNCO) competitions are sponsored by the American Chemical Society (ACS), and administered by its local sections. Each year, four students are chosen to represent the [United States team](#) at the International Chemistry Olympiad competition. The New Haven Section once again participated this year in the USNCO program, and Dr. Olivier Nicaise (Trinity College) coordinated the first two installments of this competition that was hosted by the Department of Chemistry at Yale University, and consisting of the Local Exam and the National Exam.

A record number of 84 students, representing 11 high schools, first participated in the Local Exam that was administered on March 27 and April 1, 2010. A group of 11 students (the nominee allotment is dictated by the number of Section members), representing 6 high schools, then qualified for the National Exam that was given on April 24, 2010. As a virtue of having attended the 2009 two-week intensive study camp (*vide infra*) held at the U.S. Air Force Academy in Colorado Springs, CO, **Alexander Siegenfeld** (Hopkins School, New Haven) systematically qualified for the National Exam, and therefore joined his fellow competitors on April 24, 2010. Following his performance at the study camp, it should be noted that Alexander was also selected to serve last year as the first alternate of the Alpha Beta Team that represented the United States at the 41st International Chemistry Olympiad competition held in Cambridge, England.

These 12 students were honored for their outstanding achievements in high school chemistry on May 25, 2010, at an award ceremony organized by the New Haven Section, and held at the Connecticut Agricultural Experiment Station, in New Haven. Each of them received a USNCO recognition pin, and also a National Exam Participation Certificate. Some of the students who participated in the Local Exam also attended the event, and were presented with a USNCO recognition pin along with their Local Exam Participation Certificate.

The students who competed at the National Exam this year were:

Name	School	Teacher
Alexander Siegenfeld	Hopkins School, New Haven Class of 2011	Mrs. Sarah Leite
Jonathan Chien	Hopkins School, New Haven Class of 2010	Mrs. Sarah Leite
Leland Pung	Hopkins School, New Haven Class of 2010	Mrs. Sarah Leite
Andras Sagi	Cheshire High School, Cheshire Class of 2010	Dr. Stephen Bertenshaw
Colin Horgan	Cheshire High School, Cheshire Class of 2011	Dr. Stephen Bertenshaw
Jamie Schwartz	Choate Rosemary Hall, Wallingford Class of 2011	Mr. William Morris
Jeremy Kalas	Choate Rosemary Hall, Wallingford Class of 2012	Mr. William Morris
Alan Zhao	Daniel Hand High School, Madison Class of 2011	Mr. Stephen Sekula
Kathleen Wu	Daniel Hand High School, Madison Class of 2011	Mr. Stephen Sekula
Brian Westerman	Pomperaug High School, Southbury Class of 2011	Mrs. Coleen Merritt
Shryan Appalaraju	Pomperaug High School, Southbury Class of 2011	Mrs. Coleen Merritt
Bonnie Hawkins	Hamden High School, Hamden Class of 2001	Dr. Nancy Graham

With a limit set by the USNCO National Office, that no more than two students per school that can sit for the National Exam as a way to promote widespread participation within local sections, and also, but to a lesser extent, for reasons of non-U.S. citizenship, some of the 11 top scoring students at the Local Exam were not allowed to compete at the National Exam, and that is the reason why the New Haven Section has been systematically recognizing all 11 top scoring students at the Local Exam. This year, at the award ceremony, each of the following students was therefore awarded a \$75 gift certificate for their outstanding achievement at the Local Exam: **Andras Sagi** (Cheshire HS), **Jonathan Chien** (Hopkins), **Kathleen Wu** (Daniel Hand HS), **Won Chung** (Cheshire Academy), **Aaron Shim** (Choate), **Colin Horgan** (Cheshire HS), **Audrey Zhang** (Cheshire HS), **Leland Pung** (Hopkins), **Benjamin Pollak** (Hopkins), **Peter de Groot** (Hopkins), and **Alan Zhao** (Daniel Hand HS). **Alexander Siegenfeld** (Hopkins) was also, and quite naturally, presented with a similar award.

Whereas approximately 10,000 U.S. students between the ages of 13 and 18 entered the local Chemistry Olympiad competitions vying for a chance to compete in the U.S. National Chemistry Olympiad and the International Chemistry Olympiad, nearly 1,000 students (930, to be exact) participated nationwide in the National Exam. The National Exam is a three-part, ca. 5-hour competition that consists of two written exams (a 60, single-answer, multiple-choice question exam covering broad chemistry topics, and an 8, problem-solving, explanations question exam requiring in-depth knowledge of chemistry theories and models), and one laboratory practical. We proudly report that not only **Alexander Siegenfeld** (Hopkins) received High Honors (top 50 students) for his performance on the National Exam, but also **Andras Sagi** (Cheshire HS) and **Jonathan Chien** (Hopkins) received Honors (top 51-150 students) for their performance on the National Exam. Even more remarkably, *and for the second year in a row*, Alexander more precisely finished among the top 20 students at the National Exam, and he was therefore *–and once more!–* one of twenty finalists invited to attend the 2010 two-week intensive USNCO study camp in order to compete for a spot on the U.S. team at the 42nd International Chemistry Olympiad. The study camp was held at the U.S. Air Force Academy in Colorado Springs, CO, on June 1-16, 2010. Under the tutelage of three mentors, students receive at the study camp college-level training, with an emphasis on organic chemistry, through a series of lectures, problem-solving exercises, lab work and testing. Mentors play a vital role in preparing the nation's brightest high school students to compete in the International Chemistry Olympiad.

They guide the top 20 students through a series of practice problems, testing student skills, and ultimately selecting the U.S. team for the International competition. During the camp, mentors and students become a family unit. All participants live in the same dorm facility, eat all meals together, and share bathrooms and telephones. At the conclusion, based on performance, four students are chosen to represent the United States at the International Chemistry Olympiad with teams from roughly 70 other countries. Each country sends four contestants and two coaches to the host country for seven to 10 days of exams, lectures, recreation, and tours. Well, the United States Chemistry Olympiad team was chosen on June 15, 2010, at the conclusion of the study camp, and Alexander Siegenfeld was selected as one of four U.S. high school students to head to Tokyo, Japan, to represent the United States in the 42nd International Chemistry Olympiad, which will take place on July 19-28, 2010. This is a dream come true for Alexander who had already been selected last year as the first alternate of the United States Chemistry Olympiad team at the 41st International Chemistry Olympiad competition held in Cambridge, England (*vide supra*).

In addition to the gift certificate that Alexander received, he was also awarded a digital frame –a wonderful complement to the digital camera that he received last year!–, and we are already looking forward to his visit on the occasion of one of our fall general membership meetings to address us about his 2010 International Chemistry Olympiad experiences – with lots of pictures! But for the time being, we just want to wish Alexander good luck at the “Chemistry Games of the 42nd Olympiad”, and tell him, “Go for the Gold”! The ACS New Haven Local Section and its 2010 Chemistry Olympiad competitors are all behind Alexander, and wish him the very best.

The members of the 2010 U.S. Chemistry Olympiad Team (the U.S. Alpha Gamma Team)



From left: Kevin Yan (alternate), Alexander Siegenfeld, Utsarga Sikder, Colin Lu, Joe Tung (alternate), and Richard Li.

Finally, the New Haven Section wishes to also acknowledge the invaluable contribution of **Dr. Jonathan Parr** (Yale University) regarding the organization of the 2010 USNCO competition, especially with respect to providing lecture hall and laboratory space to administer both the Local and National Exams.

This has been now the third year in a row that the New Haven Section has had a student make the National Team; it is quite unbelievable! **Jenny Lu**, a 2010 Pomperaug High School graduate, and soon-to-be a freshman at Harvard University, was indeed selected as one of the four members of the 2008 U.S. Chemistry Olympiad Team, and she went on to win a Bronze Medal at the 40th International Chemistry Olympiad that was held in Budapest, Hungary. Last year, **Alexander Siegenfeld** was selected as the first alternate of the U.S. Chemistry Olympiad Team, and this year, here he is, one of the four members of the 2010 U.S. Chemistry Olympiad Team, and this time competing for Gold, Silver, or Bronze; it is absolutely unbelievable! We are so very proud of this record of academic achievement for the high school students in our section, and along with increased participation in the Chemistry Olympiad competition, we are looking forward to many more successes of this nature in the years to come! And last, but not least, CONGRATULATIONS to all the New Haven Section Chemistry Olympiad competitors who have graduated from high school this year, we will miss you!



Celebrate National Chemistry Week (NCW) 2010!

Theme: "Behind the Scenes with Chemistry!"
October 17-23, 2010

Chemistry is everywhere, whether prominent as a science fair project or tucked behind the scenes of a special effect or book. Current shows such as MYTHBUSTERS and books such as *The Science of Harry Potter* bring behind the scenes science to prominent view. This allows the public to understand it is not magic, but rather common chemistry topics which can explain the mystery behind the seemingly "magic" that is shown. We want to diminish the term "magic" associated with the "unexplainable" and direct attention to the chemistry which makes these items work.

Councilor's Corner
Jennifer Larese

Monday, March 22, 2010:

YCC: filmed a chemistry short video (app 3 minutes) to be shared with the International Chemical Network (ICN) in EU.

SOCED Open Meeting: Working to get more chemistry departments involved with pre-service education for future chemistry teachers. Many departments don't see that as their role – they would rather leave that for the department of education. Right now, they are focusing in getting the chemistry departments to endorse the statement (only 67 schools responded to the initial request). 600k students take general chemistry each year.

Office of Public Affairs: had a good report from Washington DC – for example, National Lab Day was heartily supported by ACS. ACS is pleased that the White House is taking such a firm stand with science education. Dick Zaire, chemical education taskforce, had 3 main points: a Science Coach's program (6 local

sections of varying sizes to test out the program); association of high school teachers; and a careers website for chemists.

IAC report from Judy Benham with an international REU (Asia) program. SOCED may partner with IAC for this program.

IYC 2011 report: daily chemistry moment for the 365 calendar (go to website acs.org/iyc to submit ideas for the calendar); partnering with CCA for quarterly themes: environment, energy, health, and materials science [two newspapers to support these themes] – water will be integrated into all of these themes. Visit from Tom Lane about common themes: value of a focused summit on education, with people from various groups/divisions to share thoughts/ideas/synergies to get behind a few ideas wholeheartedly as a group? The committee agreed this would be a worthwhile pursuit.

Tuesday, March 23, 2010:

CCA Open Meeting: Preparation for IYC 2011 is well in hand with overall themes (water and the many faces of chemistry) and quarterly themes (environment, energy, materials, and health); the print publications will be available for 1st and 3rd quarters, with online resources available for 2nd and 4th quarters. April 22 is Earth Day: theme is “Plants: the Green Machines”. Themes: 2010: Behind the Scenes (NCW) and Plants: the Green Machines (CCED); 2011: IYC; 2012: Nanoscale Science and Engineering (NCW) and 10th anniversary (CCED). Chemistry Ambassadors program (t-shirts printed) is a good way to improve your public relations. Three sections of CCA: Volunteer Engagement and Recognition (VER) [focus on award categories, including ChemLuminary], Program Development and Promotions (PDP) [determines themes for NCW and CCED], and Evaluation and Technology (E&T) [assessment of NCW and CCED activities, updates on twitter/ACS Network/YouTube]. VER will be updating their ChemLuminary awards for IYC [ie. outstanding community involvement using themes with rubrics for grading the awards]; plans to streamline the self-nominating form for ChemLuminary.

District I Caucus Meeting: Review of the petitions for council. Review of the society’s finance [\$460M revenue (total), +1% increase. 6th year of positive operating results. Key drivers: favorable operating results, investment gains, net reduction in retirement benefit plan liabilities (app. \$20M each)]. Member dues: \$145 to \$146 due to a 1% inflation rate increase [middle of the range of other scientific societies]. Review of NERM and MARM dates/locations. Discussion for changing the Caucus meeting to Sunday night [after town hall meeting from 4-5pm] rather than Tuesday night [current practice].

Wednesday, March 24, 2010: Councilor Meeting

By electronic ballot, the Council selected Luis A. Echegoyen and Bassam Z. Shakhashiri as candidates for 2011 President-Elect.

Society’s total 2009 revenue (\$460 million) was up +1% from 2008, but fell short of the 2009 approved budget by \$19.5 million or 4.1% [expense savings totaling \$22.5 million]. Significant reductions were realized in salaries and fringe benefits; Society’s Net Return from Operations was \$13.7 million, or \$3.0 million greater than anticipated in the 2009 Approved Budget. The financial outlook for 2010 is better, and ACS management expects the Society to meet the 2010 approved budget.

The Council VOTED to set the member dues for 2011 at the fully escalated rate of \$146. For 2009, Society membership totaled 161,783 compared to 154,024 for year-end 2008 [the number of new membership applications received last year was the highest ever. The 2009 number also reflects the transition of 6,658 former Student Affiliates to the new student member category in June 2009 and the recruitment of 6,341 new student member undergraduates].

National Lab Day; More than Just a Day!

In February, California legislators introduced the state level response to Obama’s November 2009 ‘Call to Action’, by designating May 12th as California Lab Day. The bill recognizes the American Chemical Society, NSF, and NSTA among others as keys sponsors of the national movement.

On March 24th, 2010 the House passed H. Res. 1213 recognizing the need to improve the participation and performance of America’s students in Science, Technology, Engineering, and Mathematics (STEM) fields, supporting the ideals of National Lab Day, and for other purposes. The sponsors were Rep. Marcia Fudge (D-OH-11) and Rep. Vernon Ehlers (R-MI-3)

National Lab Day booth at the March National Meeting in San Francisco, CA recruited more than 500 new sign-ups to the web site.

ACS & National Lab day hosted a celebrity luncheon on Capitol Hill! The April 30th luncheon was an exciting gathering of leadership from the scientific establishment, the entertainment industry and Capitol

Hill, coming together to collaborate on bringing National Lab Day's platform to schools and students across the country.

Guests included Tim Daly, Dana Delany, Patricia Arquette, Omar Epps, Tom Fontana, Adrian Grenier, Cheryl Hines, Barry Levinson, Morley Safer, Richard Schiff, Marlon Wayans and Steven Weber. The event also recognized the support of the two legislators responsible for the House resolution honoring National Lab Day, Rep. Marcia Fudge (D-OH) and Rep. Vern Ehlers (R-MI), both strong supporters of the science community.

Help put chemistry on the calendar in 2011!

Next year is the International Year of Chemistry (IYC) and to celebrate ACS invites **YOU** to highlight everyday advances in chemistry.

Through the IYC-2011 initiative "365: Chemistry for Life," a different aspect of chemistry will be highlighted every day on www.acs.org. **Anyone** can submit ideas for a favorite element, compound, discovery, process, chemist, or chemistry innovation at www.acs.org/iyc2011, by **June 30, 2010**. Suggestions should fall into one of four categories: energy, environment, materials, and health. Selected submissions receive recognition and an IYC-2011 pin and t-shirt. For more ideas on how to celebrate the International Year of Chemistry, visit www.acs.org/iyc2011 and www.chemistry2011.org/.

Be a Chemistry Ambassador and share this notice with your community. Encourage your local school teachers, scout leaders, librarians, or civic organizations to participate. Share chemistry. Start a reaction!

In Memoriam

It is with sadness that we report the deaths of the following members of the Section.

Dr. Milton Farber passed away in North Branford, Connecticut on February 17, 2010. Dr. Farber was born in New York City on March 11, 1923. He attended Dewitt Clinton High School in New York City, was a graduate of City College and received his PhD in Organic Chemistry from Columbia University. He served in the United States Army Chemical Warfare Service during World War II, and was involved at Edgewood Arsenal in Maryland in the first analysis of chemical warfare materials found in Europe. During the early 1950's he was part of a team lead by Dr. Ade

Milhorat at New York Hospital-Cornell Medical Center researching a cure for Muscular Dystrophy. In 1956 Dr. Farber joined the U.S. Rubber Corporation (later Uniroyal) as a research chemist, where he was involved in the creation of several new products (the Royal Seal run-flat tire, Flex-Lite printing sheets) and most notably the invention of dyeable polypropylene fiber. He is named on numerous patents for the work he did while at Uniroyal, and after his retirement in 1994 as a private consultant to the elastomer industry. He maintained an active role in professional organizations including the American Chemical Society and Sigma Xi, and took great pride in mentoring younger research scientists.

Harold Hafner passed away on December 3, 2009. Harold was a graduate of the Yale University Class of 1950, where he received his degree in chemistry. He was employed by Von Roll Isola USA Inc. in New Haven until his retirement, and after retirement continued to work for this company as a consultant. Harold had been a member of the American Chemical Society for 59 years at the time of his death.

Where were you???

Lidia Doweiko chaired the September 16, 1985 meeting of the New Haven Section, which was held at the Yale Motor Inn in Wallingford. The speaker for that meeting was Prof. Joseph Nagyvary of Texas A. & M. University, who spoke on the topic of *Renaissance Chemistry and Violin Making in Cremona, Italy*.