



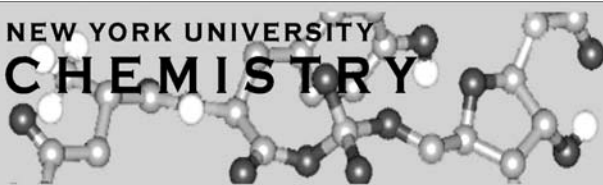
**Diane Krone**  
**2007 North Jersey Chair**

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**SPRING 2007 COLLOQUIUM SERIES**

January 19 (Host: Students)	Gavin MacBeath, Harvard University
January 26 (Host: Ward)	Ralph Nuzzo, U. of Illinois/Urbana-Champaign
*February 1 (Host: Ward)	Peter Stang, University of Utah
February 9 (Host: Canary)	Dave Walba, University of Colorado
February 16 (Host: Ward)	Travis Holman, Georgetown University
March 2 (Host: Kirshenbaum)	Bill Lubell, University of Montreal
March 9 (Host: Ward)	Ka Yee C. Lee, University of Chicago
March 23 (Host: Tuckerman)	Christopher Jarzynski, University of Maryland
March 30 (Host: Arora)	David Gin, Sloan-Kettering
**April 2 (Host: Arora)	Ronald T. Raines, University of Wisconsin
April 6 (Host: Geacintov)	Ben Van Houton, NIEHS
April 13 (Host: Geacintov)	Gloria Coruzzi, NYU, Biology Department
April 20 (Host: Students)	Sunney Xie, Harvard University
April 27 (Host: Jerschow)	Richard Ernst, ETH
May 4 (Host: Y.Zhang)	Qiang Cui, University of Wisconsin/Madison

Unless otherwise noted, seminars will be held on Fridays at 3:30 p.m. in room 1003 Silver Center, 31 Washington Place, between Greene Street and Washington Square East. Reception to follow.  
\*Held at 3:00 p.m. on Thursday, February 1 \*\*Held at 11:00 a.m. on Monday, April 2

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The monthly newsletter of the New York & North Jersey Sections of the American Chemical Society. Published jointly by the two sections.

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**EDITORIAL DEADLINES**

March	January 15, 2007
April	February 14
May	March 16
June	April 14
September	July 14
October	August 15
November	September 14
December	October 15
January 2008	November 16
February	December 14



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**POSTMASTER:** Send address changes to American Chemical Society, Department of Member and Subscriber Services, *THE INDICATOR*, P.O. Box 3337, Columbus, OH 43210, or e-mail: [service@acs.org](mailto:service@acs.org). Periodicals postage paid at Montville, NJ and additional mailing offices.

Published monthly except July and August. All views expressed are those of the editor and contributors and do not necessarily represent the official position of the New York and North Jersey Sections of the American Chemical Society unless so stated. Subscription price included in dues paid by New York and North Jersey Section members. Subscription price to non-members of either Section \$20.00 per year. To subscribe, make checks payable to The Indicator and mail to the Manager/Editor (see top of left column on this page).

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## January Calendar

### NEW YORK SECTION

Thursday, January 11, 2007

Chemical Marketing & Economics Group  
*See page 11.*

Friday, January 12, 2007

High School Teachers Topical Group  
*See page 11.*

Saturday, January 20, 2007

NY Sectionwide Conference  
*See page 13.*

### NORTH JERSEY SECTION

Thursday, January 4, 2007

Careers in Transition  
*See page 8.*

Monday, January 8, 2007

Teacher Affiliates Executive Committee  
*See page 9.*

Tuesday, January 16, 2007

Chem Central  
*See page 9.*

Thursday, January 18, 2007

ChemTAG  
*See page 9.*

Monday, January 22, 2007

No. Jersey Executive Committee  
*See page 8.*

**Deadline for items to  
be included in  
the March 2007 issue  
of *The Indicator* is  
January 15, 2007.**

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### NORTH JERSEY SECTION — CHAIR'S MESSAGE

Greetings! I am excited to begin my term as chair of the North Jersey Section of the American Chemical Society and I thank you for your support. During the last several years I have discovered the seven wonders of the North Jersey Section and I would like to share them with you.

Our first wonder is our volunteers who generously donate their time and talent. They mentor our Project SEED students and judge the poster contest. This year's SEED meeting will be held at Seton Hall University on September 24th. Our members volunteer to judge at the New Jersey Science Fair. They have helped prepare students to compete in the International Chemistry Olympiad. During National Chemistry Week our volunteers share the excitement of chemistry with the general public by presenting hands-on activities. This year we have two big events scheduled to celebrate "The Many Faces of Chemistry." The first event is scheduled at Fairleigh Dickinson University in Madison on October 21st. The second celebration will take place at Liberty Science Center on October 27th.

The theme for NCW brings me to the next two wonders of our section — multidisciplinary and collaboration. The North Jersey Section has many active Topical Groups who have planned innovative programs. The Small Chemical Business Group meets on the third Thursday of every month. Along with their regular monthly meetings, the Chromatography and Mass Spectrometry Groups are planning a joint meeting for November. The Organic Topical Group provides excellent symposia for its members. Drug Metabolism is planning meetings for April, June, and October. The NMR Group meets on the third Wednesday of each month at the Woodbridge Hilton. The Minority Affairs Group and the Metro Women Chemists are planning joint meetings with our Student Affiliates. We are planning a Career Day for High School Students with the Teacher Affiliates Group and we hope to reactivate the Young Chemists Committee. The Leo Hendrik Baekeland Award Symposium and Presentation is also scheduled for this year.

The fourth and fifth wonders of our section are communication and networking. Read about all of the exciting events going on in our section in the *Indicator* and at our web site ([www.njacs.org](http://www.njacs.org)). Publicize all the great things that are happening in your group. Participate in the NJACS Blog. Attend our meetings. Send me your innovative ideas and suggestions for improving the way we do things.

Service is our sixth wonder. Our Careers in Transition Group meets on the first Thursday of each month at FDU in Madison. Our Legislative Action Network is alive and well. If you are not already a member, why not join? Help us keep our legislators informed about the importance of chemistry to our state and nation. We are planning a Legislative Activity Day when we will visit with our local and national legislators. Join us.

The section's seventh wonder is synergy. Because of the enthusiasm, energy, and professionalism of our members our section has been a leader in the American Chemical Society. I look forward to meeting you this year at the wonderful events sponsored by the North Jersey Section.

Diane Krone  
2007 Chair, ACS-North Jersey Section

## IN MEMORIAM — EDWARD HARRIS

Webmaster for North Jersey and New York Local ACS Sections, TheIndicator.org, and the MARM Regional Meeting

We are sorry to say that on October 24, 2007 Edward (Ed) Harris our beloved webmaster died. He died of complications from Large B Cell Lymphoma.

From his business web site we learned that Edward Harris was a graduate chemist with over thirty years' experience at Union Carbide Corporation in new product development and commercialization and technology management, including over ten years' experience in literature research. Product areas cover polymers, organic chemicals & intermediates, silicones and specialty chemicals spanning such market domains as the plastics industry, coatings, automotive, metalworking fluids, mining chemicals, fuel and lubricant additives and chemical process intermediates.

He also served as Technology Manager for numerous business components. Technology management, the setting of business and R&D priorities and the technical management of the R&D programs, in particular has led to broad exposure to many industries' technology and businesses.

He had also directed a multimillion dollar corporate services operation providing Library and Business/Technical Information Research Services as well as Computer Programming, Systems and Networking to a broad spectrum of technical, business and marketing clients.

But to members of the North Jersey ACS community he was Ed Harris who attended our meetings and designed our web sites. It was Ed who made the MARM website for the meeting held at Rutgers NJ in 2005, so accessible to members so that they could easily find information about the program. He was able to keep up with the changing ideas as the program developed over the five years it took for the planning. He developed a domain name [www.marmacs.org](http://www.marmacs.org) that has now become standard for all MARM meetings. In fact this website format became so popular that other regional meetings including the upcoming Western Regional Meeting (<http://www.wrsmacs.org/>) to be held next year in San Diego was using him as their webmaster and using the same format.

Because of the popularity of the MARM website format, the North Jersey ACS website was redesigned to have the similar format of that website where pages and links are easily accessible from the home page. All of the North Jersey ACS topical groups have their websites linked to the [www.njacs.org](http://www.njacs.org) website.

Here are some comments from some of our members about Ed:

"This is very very sad news. Ed has been a wonderful friend to the North Jersey Section as well as a superb web master. He will be sorely missed by all and will never be forgotten."

"Ed was always wonderful to us. I never called him without getting a positive response."

"He was a wonderful colleague and web master. He is deserving of a special tribute."

Ed did not share with us the knowledge of his disease and kept working on our websites even when his disease came out of remission and he was thinking of other treatment options.

As a fitting memorial to Ed, a donation was made by the North Jersey Section to the Leukemia and Lymphoma Society. Members can still make donations in Ed's honor to:

The Leukemia & Lymphoma Society  
Westchester/Hudson Valley Chapter  
1311 Mamaroneck Avenue, Suite 130  
White Plains, NY 10605

Jeannette Brown  
North Jersey ACS

## THIS MONTH IN CHEMICAL HISTORY — PART II

Harold Goldwhite, California State University, Los Angeles  
[hgoldwh@calstatela.edu](mailto:hgoldwh@calstatela.edu)

Prepared for SCALACS, the Journal of the Southern California, Orange County, and San Gorgonio Sections of the American Chemical Society

In my last column I discussed the career of Edwin E. Slosson, author of "Creative Chemistry" published in 1919, and one of the most successful popular treatments of chemistry ever written. The book's subtitle is significant: "Descriptive of Recent Achievements in the Chemical Industries." The illustration facing the title page is interesting. It shows the "burning of air" in a Birkeland-Eyde furnace at the Du Pont Plant. This now forgotten process for nitrogen fixation, long superseded by the Haber process, involved the passage of air through an electric arc when some of the nitrogen combines with oxygen to make nitric oxide. This can be readily oxidized to nitrogen dioxide which will then yield nitric acid. Slosson reports that these electric furnaces yield 50 to 80 grams of nitric acid per kilowatt hour.

The Chapter titles indicate clearly Slosson's interests in the chemical industries. "Nitrogen" enjoys a chapter of its own closely followed by "Feeding the Soil". "Coal-tar Colors" is followed by "Synthetic Perfumes and Flavors". The chapter on "Synthetic Plastics" gives us an insight into a field that was to blossom later. In 1919 the most widely used synthetic plastic was collodion, developed by John Wesley Hyatt as a material for billiard balls that could replace the expensive and increasingly rare ivory. As Slosson vividly puts it: "The raising of elephants is not an industry that promises as quick returns as raising chickens or Belgian hares." Collodion is made from a solution of nitrocellulose in ether and alcohol mixed with camphor. It was made by dozens of manufacturers, including Hyatt, under names like celluloid, xylonite, parkesine and many others, and fabricated into billiard balls, combs, boxes, napkin rings, buttons, and detachable shirt collars.

The other group of synthetic plastics are the condensation products, of which the most important is bakelite. I have told the story of Leo Baekeland and the development of bakelite in an earlier column and by 1919 it was being manufactured on a large scale and used to impregnate paper and cloth, to coat metal objects, to make pipestems and fountain pens, and to make "noiseless" gears for cars and planes. Its major use was in the electrical industries as an insulator in motors, generators, and every kind of electrical equipment. Many other condensation products were being investigated and produced on a small scale in 1919 including "condensite" produced from a chlorinated naphthalene and formaldehyde by Jonas Walter Aylesworth, one of Edison's associates, and used in making Edison phonograph records.

The impact of World War I, just concluded when "Creative Chemistry" was published, is evident in many chapters in particular "Nitrogen" and "The Race for Rubber" It is with the latter that I will conclude. It was established in the mid-nineteenth century that natural rubber could be thermally cracked to isoprene. The accidental polymerization of isoprene to rubber was observed by Tilden at Manchester in 1892 but he could never systematically reproduce the experiment. Finally W.H. Perkin's group, also at Manchester (and he incidentally was the son of the Perkin who discovered Mauveine, the first synthetic dyestuff) found in July 1910 that metallic sodium could reproducibly initiate the polymerization of isoprene. The same discovery was made just a little later by Harries at the Bayer works in Germany, but the patent had already been filed in England. Both Britain and Germany wished to make synthetic rubber on a large scale to equip their armed forces for the coming war of 1914 – 1918. Both sides failed. The costs of the various routes to isoprene were prohibitive. The British spent over \$200,000 in two years on the Perkin polymerization but their incentive to manufacture synthetic rubber was less than that of the Germans. During the war the British blockade of the sea approaches to Germany made rubber a scarce and costly commodity and rubber was recycled in Germany during the war.

"Creative Chemistry" is breezily written and very readable. It reminds us that if we want to improve the public image of chemistry we need to find writers of the caliber of Edwin Slosson who can make the discoveries and innovations of our science come alive for the public.

## North Jersey Meetings

<http://www.njaccs.org>

### NORTH JERSEY EXECUTIVE COMMITTEE MEETING

Section officers, councilors, committee chairs, topical group chairs, and section event organizers meet regularly at the Executive Committee Meeting to discuss topics of importance to running the section and representing the membership. All ACS members are welcome to attend this meeting and to become more involved in section activities.

**Date:** Monday, January 22, 2007

**Time:** 5:30 PM

**Place:** Fairleigh Dickinson University  
College at Florham  
Hartman Lounge, the Mansion  
Madison, NJ

**Cost:** \$5.00 - pizza dinner

**Directions:** can be found at  
[www.fdu.edu/default.aspx?id=238](http://www.fdu.edu/default.aspx?id=238)

Reservations: call 732-463-7271 or email  
[njaccsoffice@aol.com](mailto:njaccsoffice@aol.com) prior to  
Wednesday, January 17, 2007.

**Dinner at the Section Meeting is payable at the door. However, if you are not able to attend and did not cancel your reservation, you are responsible for the price of your dinner.**

### IN MEMORIAM

Mr. Steven W. Amato	27 Years Service
Mr. Richard L. Beveridge	45 Years Service
Dr. Roger A. Hoffman	65 Years Service
Mr. Herbert Kaplan	64 Years Service
Mr. Pao Soong Lou	45 Years service
Mr. William A. Papirnik	45 Years service
Mr. Phillip Roy Simon	37 Years Service



### CAREERS IN TRANSITION GROUP Job Hunting??

Are you aware that the North Jersey Section holds monthly meetings at Fairleigh Dickinson University in Madison to help ACS members? Topics covered at these cost-free workshops are:

- The latest techniques in resume preparation
- Ways for improving a resume
- Answers to frequently asked interview question and
- Conducting an effective job searching.

The next meeting for the Careers In Transition Group will be held **Thursday, January 4, 2007**, in the Rice Lounge on the first floor of the New Academic Building. The meeting will start at 5:30 PM and end at 9:00. There will be a Dutch-treat dinner. To get the most from the meeting, be sure to bring transparencies of your resume.

Please contact [vjkuck@yahoo.com](mailto:vjkuck@yahoo.com), if you plan on attending this meeting.

### TEACHER AFFILIATES

#### Executive Committee Meeting

**Date:** Monday, January 8, 2007

**Place:** Chatham High School  
255 Lafayette Avenue  
Chatham, NJ

**Contact:** Diane Krone at 201-385-4810 or  
[kroned@optonline.net](mailto:kroned@optonline.net)



#### CHEM CENTRAL MEETING

**Date:** Tuesday, January 16, 2007

**Time:** 4:00 PM

**Place:** Ocean Township High School  
550 West Park Avenue  
Oakhurst, NJ

**Contact:** [roseannmcc@comcast.net](mailto:roseannmcc@comcast.net)



#### ChemTAG MEETING

**Date:** Thursday, January 18, 2007

**Time:** 4:00 PM

**Place:** Ramapo High School  
331 George Street  
Franklin Lakes, NJ

**Contact:** Patti Duncan at [pduncan@rih.org](mailto:pduncan@rih.org)  
or 201-891-1500.



### NORTH JERSEY ELECTION RESULTS

Congratulations:

#### Chair-Elect, 2007

Miller	415
Chen	230

#### Councilors, 2007-2009

Stan Hall	396
Maureen Chan	346
Diane Krone	329
Sue Fahrenholtz	323
Michael Miller	265

### NORTH JERSEY'S NATIONAL CHEMISTRY WEEK CELEBRATION

If you missed our NCW Kid's Chemistry Expo at Fairleigh Dickinson University, you missed a really fun, exciting event! Despite some heavy rain in the morning, we had over 400 people traverse the event, coming and going throughout the afternoon. The kids loved getting vacuum packed and imploding soda cans. They also got to learn about the pH of some common household solutions and lots, lots more. The liquid N2 ice cream was a gas! Cub scouts and girl scouts got event patches for participating in the activities.

We had lots of excited volunteers from industry, colleges, and high schools. There were more smiling faces at this event than at any ACS national meeting awards symposium! Now that's a lot of smiles.

A thousand thanks to all of the volunteers who made this event so successful, especially Bobbi Gorman! Woooo hoooo, for Bobbi!

Did you do anything special this past week? If so, let me know, so we can include your activity on our annual report for National Chemistry Week. If you gave blood or did a talk about chemistry at a local school, it all counts to our section's NCW activities. You're part of our section's family, so please don't hide yourself!

So what are you going to do next year for NCW? Well, start getting pumped up! It's October 21-27, 2007, and you can make a positive difference in how our neighbors view chemistry and chemists. Come join the fun at the Kid's Chemistry Expo that Saturday, or come up with your own fun event. Put up some element signs at work, have a chemistry treasure hunt in your neighborhood, or do a chemistry demo at your local library. Whatever you do, just let someone on the executive committee know, because we can help you as you help advance chemistry in NJ.

Thanks everyone for everything you do in our section!

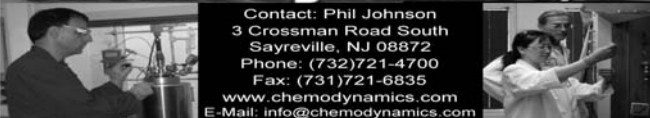
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Mariann Neverovitch, chair of NJCG 2006-2007, presents past chair Gary Christensen with an award in appreciation of his leadership of the successful 2005-2006 season.

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## New York Meetings

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### CHEMICAL MARKETING & ECONOMICS GROUP

#### 2007 World Chemical Forecast

Speaker: William J. Storck  
 Senior Correspondent  
*Chemical & Engineering News*

Date: **Thursday, January 11, 2007**  
 [Note change from first Thursday of month]

Times: Cocktails 11:30 AM  
 Luncheon 12 noon  
 Presentation 1:15 PM

Place: The Chemists' Club  
 40 West 45th Street  
 New York City

Fees: \$40 discount price for Members who reserve by the Tuesday before the meeting (12 noon). \$55 for Guests and Members (at the door without reservations).

To reserve: Please reserve early to be eligible for discount price. Call Vista Marketing at (718) 961-8958 or via e-mail to: [cmegroup@yahoo.com](mailto:cmegroup@yahoo.com). You can also pay online (via credit card): go to our Website: <http://www.nyacs-cme.org/>.

### HIGH SCHOOL TEACHERS TOPICAL GROUP

History of High School Laboratory Work in Chemistry and Physics

Speaker: Prof. Keith Sheppard  
 Teachers College  
 Columbia U

Date: **Friday, January 12, 2007**  
 Time: Social and Dinner 5:45 PM

Place: No reservations required  
 Caffe Pane e Cioccolato  
 10 Waverly Place at Mercer Street (south-west corner)  
 New York, NY  
 (You eat, you pay cash only, no credit cards.)

Time: Meeting 7:15 PM  
 Place: New York University  
 Silver Center Room 207  
 32 Waverly Place (south-east corner Washington Sq. East)  
 New York, NY

Security at NYU requires that you show a picture ID to enter the building. In case of unexpected severe weather, call John Roeder, 212-497-6500, between 9 AM and 2 PM to verify that meeting is still on; 914-961-8882 for other info.

Note: Street parking is free after 6:00 PM. For those who prefer indoor attended parking, it is available at the Melro/Romar Garages. The entrance is on the west side of Broadway just south of 8th Street, directly across from Astor Place. It is a short, easy walk from the garage to the restaurant or meeting room.



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Members of the High School Teachers Topical Group with the September presenter, Dr. David Fairhurst.



(Left to right) Joan Laredo-Liddell (co-chair), presenters Christopher Ward and Thomas Vesey, Rudolph Jones (past president), Lou Malchick (VP), and Jean Delfiner (co-chair) Christopher Ward and Thomas Vesey presented "Using Video (Streaming and Non-streaming) to Enhance Your Science Lesson" at the October meeting of the High School Teachers Topical Group at NYU.

## AMERICAN CHEMICAL SOCIETY'S NEW YORK SECTION — 2007 SECTION-WIDE CONFERENCE — ST. JOHN'S UNIVERSITY

**Date:** Saturday, January 20, 2007

**Times:** 9:30 AM – 1:00 PM

**Place:** St. John's University, Bent Hall, Room 277, 8000 Utopia Parkway, Jamaica, NY

**Cost:** Free to all

### PROGRAM

- 9:30 AM** **Arrival and Refreshments - Welcome to the ACS, New York Section's 2007 Section-wide Conference and to St. John's University.**
- 10:00 AM** **Greetings from the 2007 Chair of the ACS New York Section** Joan A. Laredo-Liddell
- 10:10 AM** **Award Presentations.**  
 Service Plaque and Pin to the 2006 NY Section Chair Jill K. Rehmann  
 New York Section Outstanding Service Award for 2006 Frank R. Romano  
 Nichols Foundation H.S. Chemistry Teacher Award for 2006 Sara Henry McCoy  
 Salutes to Excellence Awards Hall of Science, David Sherman  
 Vijaya L. Korlipara, Richard D. Cassetta
- 10:30 AM** **Report of the 2007 Elections Nominating Committee.** Marc A. Walters,  
 (Presentation of Candidates) 2007 Chair-elect
- 10:45 AM** **Keynote Presentation. "The Chemistry Enterprise: Do We Have a Future, or What?"** Dr. William F. Carroll, Jr.  
 2005 ACS President

The Chemistry Enterprise—for industry, education and government—in the US is changing. For industry, energy and raw material supply is becoming a key factor for the commodity manufacturers. Chemical markets in developing countries are growing; specialties are becoming commoditized with expanding capacity. Global companies serve global markets; services are available globally even to small companies. In education, there are questions about the global mobility of students for both undergraduate and graduate education. The ability to hire and retain professors is changing, as is the approach to tenure and full-time positions. Governments are reconsidering taxation and other incentives to maintain and attract chemical businesses. Intellectual property protection is spotty.

Looking forward, the chemistry enterprise—as every business the world over—is poised for rebalancing. This presentation provides a short summary of issues impacting the US and its position in global chemistry, and a review of our program wherein American Chemical Society committees, divisions, leaders and members have envisioned the next ten years. There will be plenty of opportunity for audience prediction and dialogue.

- 11:45 AM** **Coffee Break.** **Poster Presentations by New York Section Project Seed and Chemagination Students**
- 12:00 PM** **ACS, New York Section Committee Planning Sessions for 2007.**  
**Educational Activities** (Chemagination, Chemical Education, Continuing Education, Graduate Student Posters, High School Olympiad, National Chemistry Week, Nichols Foundation Teacher Award, Project Seed, Student Affiliate) **Chair: Sr. Mary L. Maier**  
**Member Affairs** (Awards, Employment and Professional Relations, History of the New York Section, Indicator, Membership, Minority Affairs, Outstanding Service Award) **Chair: Ralph Stephani**  
**Program Review** (Subsection and Topical Discussion Group Chairs) **Chair: Anne T. O'Brien**  
**Public Affairs** (Academe and Industrial Relations, Community Relations and Publicity, Congressional Science Counselors, Environmental Chemistry, Fund Raising, Information Technology, Speakers Bureau) **Chair: Robert P. Nolan**
- 12:45 PM** **Reports from the Chairs of the Committee Planning Sessions.**
- 1:00 PM** **Conclusion of the Meeting.**  
 Join with colleagues for lunch at a local restaurant.

To inquire about the Section-wide Conference, please call the New York Section Office at 516-883-7510 or e-mail Marilyn Jespersen, Office Administrator, at: [njesper1@optonline.net](mailto:njesper1@optonline.net)

*Directions are at <http://www.stjohns.edu/about/directions/directions/queens/queens.sju>  
 Scientists, teachers and students of all levels are invited to participate. Hope you can attend.*

## NEW YORK SECTION BOARD MEETINGS FOR 2007

These are open meetings.

February 16  
April 20  
June 8  
September 7  
November 9

The meetings will be held at the College of New Rochelle. Refreshments are served at 6:15 PM and the meeting begins at 6:45 PM.

Two Major New York Section events in 2007:

### January 20

Annual Section-wide Conference  
St. John's University, Bent Hall  
Jamaica, NY

### March 16

William H. Nichols Distinguished Symposium and Medal Award Dinner honoring Dr. Nicholas J. Turro  
Crowne Plaza Hotel  
White Plains, NY

## LONG ISLAND SUBSECTION

Eleventh Annual Frances S. Sterrett Environmental Chemistry Symposium

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Date: **Thursday, May 24, 2007**  
Place: Hofstra University



## WILLIAM H. NICHOLS MEDAL DISTINGUISHED SYMPOSIUM AND AWARD BANQUET



Photons, Electrons, Spins and Supramolecular Chemistry: New Tools for Unraveling Chemical Complexity

Award Recipient: Professor Nicholas J. Turro  
William P. Schweitzer Professor of Chemistry, Columbia University

Date: **Friday, March 16, 2007**  
Times: 1:00 PM Registration  
5:45 PM Reception  
Place: Crowne Plaza Hotel, White Plains, NY

### PROGRAM

1:30 PM	Welcome	Mrs. Joan A. Laredo-Liddell 2007 Chair, ACS, New York Section Marymount College of Fordham University
1:35 PM	Opening of the Distinguished Symposium	Professor Marc A. Walters 2007 Chair-elect, ACS, New York Section New York University
1:45 PM	DNA Charge Transport Chemistry and Biology	Professor Jacqueline K. Barton Arthur and Marian Hanisch Memorial Professor of Chemistry, California Institute of Technology
2:30 PM	Terrestrial and Extraterrestrial Chirality	Professor Ronald E. Breslow S. L. Mitchell Professor of Chemistry Columbia University
3:15 PM	Coffee Break	
3:45 PM	Protein Folding, Misfolding, and Disease	Professor Harry B. Gray Arnold O. Beckman Professor of Chemistry California Institute of Technology
4:30 PM	Photons, Spins and Special Pairs: An Integration of Photochemistry, Magnetic Resonance and Supramolecular Chemistry	Professor Nicholas J. Turro NICHOLS MEDALIST
5:45 PM	Social Hour	
6:45 PM	William H. Nichols Medal Award Dinner	

More information regarding the Symposium is available on the New York Section's website at <http://www.newyorkacs.org>

Tickets may be reserved using the following form:

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## WESTCHESTER CHEMICAL SOCIETY

Over thirty members, graduate students and faculty attended Dr. Teraoka's presentation on "Microsphere BioSensors" at the October Westchester Chemical Society's meeting.



Left to right: Joseph Sencen (director), Carol Sencen (secretary), Jean Delfiner (co-chair), Dr. Iwao Teraoka (Polytechnic University), Joan Laredo-Liddell (co-chair), Rolande Hodel (treasurer), Mary Cowman (director).



## HUDSON-BERGEN CHEMICAL SOCIETY

The meeting on Friday, November 3, 2006 AT FDU Teaneck was successful with lots of student interest and conversation aroused.



Dr. Igor Goljer, Wyeth (Instrumentation/Training), Dr. Carolyn Merkel, Mariner Analytical (Small Business Consultant); Dr. Yizhe Wang, Glaxo-Smith Kline (Global Commercial Strategy); Dr. Karen Bartels, DeGussa (Patent Law); Dr. Mihaela Leonida, FDU (Organizer/Chair).

(Photo courtesy of Dr. Grace B. Borowitz)

## NEW YORK'S NATIONAL CHEMISTRY WEEK CELEBRATION



National Chemistry Week was held at the New York Hall of Science on Saturday, October 28. Nine hundred entered the Great Hall to experience SCIENCE. St. John's was just one of the many high schools, colleges and industries present.



5 year old Jared Habermehle from PS 175 in Forest Hills with his foam ice cream cone. He definitely expresses "science is fun". His 9 year old sister, Shita, is along side of him.

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## Call For Papers

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### 55TH ANNUAL UNDERGRADUATE RESEARCH SYMPOSIUM

Sponsored by: The New York Chemistry Students' Association of the American Chemical Society's New York Section.

The symposium provides an excellent opportunity for undergraduate chemistry students in the NY metropolitan area to present the results of their research. The program includes a keynote address by Dr. Spiro Alexandratos, Professor of Chemistry at Hunter College CUNY, presentation of student papers (15 minute talks to small groups), followed by a luncheon.

To:

1. Submit an abstract on-line
2. Print a flyer for posting - Print "Call For Papers" frame
3. Obtain directions to Manhattan College. Go To: [http://newyorkacs.org/grp\\_students.html](http://newyorkacs.org/grp_students.html)

Date: **Saturday, May 5, 2007**

Place: Manhattan College  
Riverdale

If you have any questions please contact:  
Alison Hyslop, Co-chair  
[hyslopa@stjohns.edu](mailto:hyslopa@stjohns.edu)

Sharon Lall-Ramnarine, Co-chair  
[slallramnarine@qcc.cuny.edu](mailto:slallramnarine@qcc.cuny.edu)

JamieLee Rizzo  
JaimeLee I'olani Rizzo, Co-chair  
[jrizzo@pace.edu](mailto:jrizzo@pace.edu)

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## Call For Nominations

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### 2007 LIFETIME ACHIEVEMENT AWARD OF THE NORTH JERSEY SECTION

The biennial award, funded by Novartis, consists of \$1,000 prize and a plaque. It recognizes a North Jersey chemist or chemical engineer over fifty years of age, for conspicuous achievements in chemistry, not heretofore recognized by any major scientific awards.

Please submit nominations and supporting letters to Jiwen Chen, Awards Committee Chair, c/o NJ ACS, 4 Cameron Road,

Piscataway, NJ 08854. Tel: 609-818-6319, email: [jiwen.chen@yahoo.com](mailto:jiwen.chen@yahoo.com). (Electronic submission of the nomination package welcomed) Nominations must be received by **Feb 15, 2007**. Visit <http://www.njacs.org/awards.html> for more information and a list of past recipients.



### GOLD MEDAL AWARD — SOCIETY FOR APPLIED SPECTROSCOPY, NEW YORK SECTION

Nominations are being sought for the 2007 Gold Medal Award of the New York Section of the Society for Applied Spectroscopy. This coveted award was established in 1952 to recognize outstanding contributions to the field of Applied Spectroscopy. The Gold Medal will be presented at a special award symposium, arranged in honor of the awardee, at the 2007 Eastern Analytical Symposium. A nominating letter describing the nominee's specific accomplishments should be submitted along with a biographical sketch by March 15th, 2007. Please send all materials to Richard Castino, Analytical and Characterization Group, c/o Sun Chemical Corp., 631 Central Avenue, Carlstadt, New Jersey 07072.

If you have any questions or require more information, you may contact me at 201-933-4500, ext. 1238, or email me at [rich.castino@na.sunchem.com](mailto:rich.castino@na.sunchem.com).

Thank you for your consideration.

Sincerely,  
Richard Castino

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## Others

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### QUEENSBOROUGH COMMUNITY COLLEGE

#### Chemistry Students Make the Best Showing of 27 Colleges and Universities at Regional Chemistry Conference

At the 34th Northeast Regional Meeting of the American Chemical Society, NERM 2006, held this year in Binghamton, New York, Queensborough Community College's Chemistry Department was represented by 22 students, more than any of the other colleges attending the conference.

The evening of October 6th, the Queensborough students presented nearly one third of all the posters showcased by the 27 schools in attendance that included MIT, Cornell and Johns Hopkins. A total of 77 posters were exhibited overall. Twenty-four contained the results of extensive research Queensborough students performed under the guidance of the Chemistry Department's faculty, who were also in attendance. So impressive were the posters and the presentations that Dr. Ann Nalley, National American Chemical Society President for 2006 approached the Queensborough students and staff to congratulate them on the quality of their presentations and the eloquence with which the students explained their findings. Some of the presentations dealt with:

- The preparation of nanocatalysts which are catalysts whose size may be as small as one millionth of an inch thus enabling reactions to occur faster and in a more efficient way;
- The preliminary procedure for the preparation of chlorambucil, an anti cancer drug; and
- The use of computational chemistry for which computers are used to describe the status of individual atoms in a specific molecule.

Queensborough Chemistry Honors student

Rosa Rosales, who won the first place undergraduate award at this year's 38th Middle Atlantic Regional Meeting (MARM) at Hershey, PA in June 2006, introduced the results of her findings regarding the interaction between the enzyme, dihydropteridine reductase (DHPR), its co-factor and ligands using spectroscopic techniques, the project she was working on during her last semester at Queensborough.

"Having the opportunity to conduct chemistry research at Queensborough has given me the ability and confidence to identify research problems and proceed with the resolution of the difficulties," Ms. Rosales has said. "I have succeeded to show courage in the presentations I have made in front of faculty and students, and more importantly to explain my findings to other scientists."

Ms. Rosales has since graduated with her Associate's degree in Liberal Sciences and began her junior year at the University of Buffalo as a Biochemistry major.

Since 2001, the number of students taking chemistry classes at Queensborough has more than doubled, from 784 students to 1,670 in the Spring 2006 semester. Most students are majoring in Health Sciences, and are pre-med, pre-vet, pre-dent, pre-physician's assistants or pre-engineers.

(continued on page 22)



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Willis Hammond grew up as a farm boy in Minnesota. He received his education from Northwestern University (BA, Chemistry, 1964) and Columbia (Ph. D, Physical

Organic Chemistry, 1967). After teaching chemistry at Yale (1968-75), he worked at Allied Chemical (1975-96, polymer R&D), Hoechst Celanese (1997, polymer characterization), and the Ticona division of Celanese (1998-2006, polymer characterization and problem solving). In 2006, he formed W. B. Hammond Associate, LLC.

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