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2006 Chair
ACS North Jersey Section



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THE Indicator

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EDITORIAL DEADLINES

February 2006	December 13
March	January 14, 2006
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Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.

December Calendar

NEW YORK SECTION

Thursday, December 1, 2005

Chemical Marketing & Economics Group
See page 8.

Tuesday, December 6, 2005

NY Biochemical Topical Group
See page 8.

Thursday, December 8, 2005

Analytical Topical Group
See page 9.

Monday, December 12, 2005

Westchester Chemical Society
See page 10.

Friday, December 16, 2005

High School Teachers Topical Group
See page 10.

NORTH JERSEY SECTION

Monday, December 12, 2005

Teacher Affiliates Executive Committee
See page 16.

Tuesday, December 13, 2005

Mass Spectrometry Discussion Group
See page 17.

**Deadline for items to be
included in the
February 2006 issue of
The Indicator is
December 13, 2005.**

Education



Department of Chemistry and Biochemistry
Spring 2006 - Graduate Courses
January 9 – May 4, 2006
Registration: January 5, 2006 3 pm – 6 pm

Courses and programs leading to the M.S. and Ph.D. degrees are offered on a full or part time basis. Classes meet during the evening or on weekends to accommodate busy working professionals. Non-matriculated students welcome.

Course Number	Title	Day	Time
CHEM 6201 NA	Survey Analytical Chemistry	Tues.	7:00 PM-10:00 PM
CHEM 6205 NA	Modern Separation Techniques	Thurs.	7:00 PM-10:00 PM
CHEM 6303 NA	Synthetic Organic Chemistry	Wed.	6:00 PM- 9:00 PM
CHEM 6402 NA	Chemical Kinetics	Mon	6:00 PM -9:00 PM
CHEM 7512 NA	Biochemistry II	Tues.	7:00 PM -.10:00PM
CHEM 7618 NA	Physical Methods in Inorganic Chem.	TBA	TBA

For more information, please visit the Department of Chemistry and Biochemistry website at <http://artsci.shu.edu/chemistry/> or call us at 973-761-9414.

2006 CHAIR'S MESSAGE

My fellow members of the ACS,

I am honored to represent you as the 2006 chair of the North Jersey Section. I feel very fortunate to be involved with very motivated volunteers who do great things for chemistry and chemists. Before I volunteered to help with local ACS events, I did not realize how important our society was to advancing our profession, and I did not realize how many people it took to make it all happen.

Since 1998, I have seen what this section can accomplish when volunteers work together. For some, their efforts have been hours of commitment to section activities, and their efforts have made a huge difference in the lives of many. For their efforts, we are grateful. We have also been lucky to have many that give what time they can at local events and programs, and they too have made our section successful. For every member concerned about the future of chemistry, we have plenty of time-limited opportunities for them to make a difference, like judging high school student posters for two hours once a year or helping send out emails for publicity. Every volunteer is important!

In 2006, our section will continue doing everything it has done so well over the years, including Project SEED, National Chemistry Week, Teacher Affiliates, technical programming, and much more. As chair, I will do all I can to assist with these programs. I have already begun to work on enhancing other programs in our section. In collaboration with the ACS Division of Polymeric Materials Science and Engineering (PMSE), we will be having a special polymeric materials science day next fall. This will feature a professional symposium, poster session, younger chemists' career counseling, and polymers teaching workshop. If you are interested in this topic, contact me, so you can be part of this important event as the details are put into place.

I have also started meeting with our state and federal legislators on issues that are important to chemists in North Jersey. As your chair, I need your input on legislative science issues, so I can present your issues to our section government affairs committee for discussion and then communicate your issues to those in Trenton and Washington, DC who decide on laws and appropriations that can positively or negatively affect our profession. If you are not signed up, take a moment to register as a member of the ACS Legislative Action Network at chemistry.org, so you are informed on what is happening in our government. If we do not defend chemistry in our government, who will?

What is your vision of chemistry in our world? Whatever it is, the ACS is here to help you accomplish it. You can build a professional network. You can discover new career paths. You can help a Boy Scout troop or Girl Scout troop see that chemistry is fun. You can be the person introducing some big name speaker. The future of our profession and our world's view of chemistry are in our hands. Together, we can make great things happen. It takes very little time and reaps so much more.

The value of my own membership was not achieved until I allowed myself to become valuable to the ACS and our members. Please contact me if you want to discover the real value to your ACS membership or if you have additional ideas on how our section can better represent your interests.

Thanks,
Stephen Waller
2006 Chair
North Jersey Section ACS

THIS MONTH IN CHEMICAL HISTORY - PART II

Harold Goldwhite, California State University, Los Angeles
hgoldwh@calstatelata.edu

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

Part I of "This Month in Chemical History" described issues of "The New World" magazine from the early 1840s that contained texts of two of Liebig's most important works. It also mentioned that the publisher of this magazine pirated well known novels, including Dickens' "Martin Chuzzlewit" and it seems very likely that Liebig never received a penny from these American versions of his works. Indeed, in "An Appeal to the Reading Public" the Editor (or perhaps the Publisher) harangues against "the outrageousness and absurdity of all arrangements in favor of an International Copyright Law" alleging that it "has been urged by a certain set of aristocrats, to kill the cheap publications and to bring back the cost of books to the old standards." So much for intellectual property.

To return to chemistry the March 1843 issue of the magazine's extra series includes William Gregory's translation of Liebig's "Animal Chemistry or Organic Chemistry in its application to Physiology and Pathology". William Gregory was Professor of Medicine and Chemistry at the University of Aberdeen. Liebig begins by paying tribute to Lavoisier as the founder of the new science of chemistry. Indeed, as Frederick Holmes and Jean-Pierre Poirier have pointed out in recent books about Lavoisier, the French chemist can also be viewed as the first scientific biochemist.

Liebig draws parallels between the physiology of humans and of other animals and suggests that the initial objects of physiological studies should be the understanding of what we might call the mechanical aspects of physiology. He decries "the efforts of philosophers, constantly renewed, to penetrate the relations of the soul to animal life", concluding that such efforts have retarded the progress of physiology.

A penetrating analysis of animal heat refines the conclusions of Lavoisier on respiration as its source. "Even when we consume equal weights of food in cold and warm countries, Infinite Wisdom has so arranged that the articles of food in different climates are most unequal in the proportions of carbon that they contain. The fruits on which the natives of the south prefer to feed do not in the fresh state contain more than 12 percent of carbon, while the bacon and train oil [!] used by the inhabitants of the arctic regions contain from 66 to 80 percent of carbon."

A section on the metamorphosis of tissues has some interesting observations: "... albumen, fibrine and caseine ... contain exactly the same proportions of organic elements. When ... [they] are dissolved in a moderately strong solution of caustic potash, and the solution is exposed for some time to a high temperature, these substances are decomposed. The addition of acetic acid to the solution causes, in all three, the separation of a gelatinous translucent precipitate, which has exactly the same characters and composition, from whichever of the three substances.. it has been obtained. Mulder [gave] to this product of the decomposition of albumen &c. by potash the name of proteine [from the Greek word meaning "I take the first rank"].

Further sections of this fascinating book include analysis of the phenomena of motion in the animal organism; a theory of disease which depends heavily on the idea of vital force; and an appendix that contains the analytical evidence underpinning Liebig's conclusions. The whole text covers 48 pages of closely printed quarto paper.

As a bonus the bound volume in which these chemical texts are found also includes George Borrow's book on "The Bible in Spain"; the first (no doubt pirated) American edition of a novel "The Jewess; A Tale from the Shores of the Baltic"; miscellanea on a vast range of subjects including the American politics of the period; and two long scientific articles, the first, by M. Arago, the distinguished French astronomer, and the second by Thomas Dick, on comets. A brilliant comet appeared in 1843, eliciting, probably from the pen of Noah Webster, the following comment in the New Haven Herald: "The present comet is considered as a very brilliant phenomenon, but it is far inferior to that which I saw when young, either in 1769 or 1770." Things were always better in the old days.

Retired Chemists

Weight loss in Elderly vs. Weight Gain in Younger People

Young people often have problems with overweight while the very elderly segment of the U.S. population often encounters unintentional weight loss.

Weight loss in the elderly is due to a variety of causes including reduced taste perception, decreased appetite, insufficient intake of calories and protein, decreased growth hormone secretion, malabsorption, depression and unknown factors.

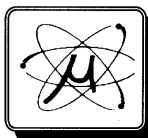
I recently had a continuous weight loss problem lasting about two years. Weight decreased from 190 lbs. to 143 lbs. After many diagnostic tests, the cause was found to be malabsorption of fat due to insufficient secretion of pancreatic lipase. Dietary sup-

plementation with pancreatic enzymes stabilized weight at 160 lbs.

As a result of this experience, I wondered if oral use of lipase inhibitors might reduce obesity in younger people. A large pharmaceutical company also had this idea and is now marketing a lipase inhibitor drug to induce weight loss. A side reaction of this drug is diarrhea due to liquid fat excretion. After having experienced this problem for two years while trying to overcome malabsorption of fat, I found that diet supplementation with high levels of calcium converted liquid fat into insoluble calcium salts of fatty acids. This simple, safe procedure should help reduce side reactions of lipase inhibiting drugs.

Hal Yacowitz
halyacowitz@webtv.net

The Indicator is looking for retired chemists to contribute to this new features column. We hope it will prove interesting to our readership.



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New York Meetings

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CHEMICAL MARKETING & ECONOMICS GROUP CM&E

Industrial Gases Outlook

Speaker: Mark Gulley
Senior Analyst
Specialty Chemicals
Soleil Securities Group, Inc.
New York, NY

Date: Thursday, December 1, 2005

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

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

Fees: \$40 discount price for Members who reserve by **Tuesday, November 29** (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. To pay online by credit card (via PayPal), go to the CM&E Website: <http://www.nyacs-cme.org/>

BIOCHEMICAL TOPICAL GROUP — JOINT MEETING WITH THE NYAS BIOCHEMICAL PHARMACOLOGY DISCUSSION GROUP

Endogenous Cannabinoid Ligands: Metabolism and Therapeutic Potential

Organizers: Charles A. Lunn
Schering-Plough Research Institute
Kenilworth, NJ
Dale Deutsch
SUNY at Stony Brook
Stony Brook, NY

The therapeutic value of the cannabinoid system has been a topic of increasing scientific debate/interest in recent years. In addition to the anecdotal evidence that smoked marijuana treatments can moderate pain, positive Phase III clinical trials have demonstrated the efficacy of marijuana extracts on the symptoms of multiple sclerosis and neuropathic pain [Sativex (organic plant extract containing Δ^9 -tetrahydrocannabinol and cannabidiol); GW Pharmaceuticals]. In addition, clinical trials of a compound specific for the cannabinoid CB1 receptor [Acompla (rimonibant); Sanofi Aventis] continues to show significant positive effects on obesity and on other obsessive disorders.

Recognizing the increasing appreciation of the therapeutic potential of the cannabinoid

system, we will discuss the biology of the endogenous ligands for the cannabinoid receptors, the endocannabinoids, as potential therapeutic targets. The symposium will include a discussion of the metabolism of the endocannabinoid anandamide by the fatty acid acylhydrolase (FAAH) and in situ imaging studies showing how inhibiting the activity of this enzyme alters endocannabinoid distribution in the brain. Biology presentations will demonstrate that inhibiting FAAH activity can alter memory in mice. Finally, we will discuss the peripheral effects of modulating endocannabinoids, specifically as they impact pain and immune functions.

"Biosynthesis and Degradation of Anandamide, and Endogenous Ligands of Cannabinoid Receptors"

Dale Deutsch
SUNY Stony Brook

"Imaging the regional inhibition of fatty acid amide hydrolase (FAAH) activity in the mouse brain"

Sherrye Glaser
Brookhaven National Laboratory

"FAAH-getting: Evidence for a role of the endocannabinoid system in extinction processes"

Aron Lichtman
Virginia Commonwealth University

"Endocannabinoid-induced suppression of interleukin-2 involves cyclooxygenase-2, is mediated in part through a nuclear receptor, and occurs independently of CB1 and CB2"

Norbert E. Kaminski
Michigan State University

Date: Tuesday, December 6, 2005

Time: 1:00 – 5:00 PM

Place: New York Academy of Sciences
2 East 63rd Street
New York, New York

Space is limited. To reserve a seat, go to the calendar at www.nyacs.org/bpdg and fill out the online reservation form, e-mail BPDG@nyas.org or call (212) 838.0230 x322.

NYAS Members and BPDG Affiliates may attend BPDG meetings free of charge. Non-members may attend for a fee of \$20 per event. To become a Member of the Academy, visit <http://www.nyacs.org/landing.html>

ANALYTICAL TOPICAL GROUP

Risk Assessment for Asbestos-Related Cancer from the 9/11 Attack on the World Trade Center

Speaker: Robert P Nolan, PhD
Center for Applied Studies of the Environment & Earth and Environmental Sciences of the Graduate School and University Center
City University of New York
365 Fifth Avenue
New York, NY

Objective: Estimate the lifetime risk of asbestos-related cancer for residents of Lower Manhattan due to asbestos released into the air by the 9/11 attack on New York City's World Trade Center (WTC).

Methods: Exposure was estimated from available data and reasoned projections based on these data. Cancer risk was assessed using an asbestos risk model that differentiates asbestos fiber-types and EPA's model that does not differentiate fiber-types and combines mesothelioma and lung cancer risks.

Results: The upper limit for the expected number of asbestos-related cancers is less than one case over the lifetime of the population for the risk model that is specific for fiber-types and 12 asbestos-related cancers with the EPA model.

Conclusions: The cancer risk associated with asbestos exposures for residents of Lower Manhattan resulting from the collapse of the WTC is negligible.

Date: Thursday, December 8, 2005

Time: 6:00 PM.

Place: The Graduate School and University Center
City University of New York
365 Fifth Avenue
New York, NY.

The room number will be posted in the Lobby for further information contact Dr. RP Nolan (212)817-8248.

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WESTCHESTER CHEMICAL SOCIETY

Applications of Atomic Force Microscopy to Macromolecular Structure Analysis

Speaker: Dr. Mary K. Cowman
Associate Professor of Biochemistry
Othmer Dept. of Chemical and
Biological Sciences & Engineering
Polytechnic University

Atomic force microscopy (AFM) allows 3-dimensional imaging of single molecules and assemblies on surfaces. Both covalent and conformational aspects of the structures can be investigated. This lecture will describe imaging studies of polysaccharides, nanoparticles, and liposomes with medical and food applications. Experimental considerations such as choice of surface, control of surface hydration, and exploitation of ionic effects will be discussed.

Date: Monday, December 12, 2005

Times: Refreshments 6:00 PM
Lecture 6:30 PM

Place: Polytechnic University
Westchester Graduate Center
Room 23, 40 Saw Mill River Road
Hawthorne, NY 10532

Directions: available at <http://www.poly.edu/west/info/dir.cfm>

Further information: mcowman@poly.edu
or Joan Laredo-Liddell at 914-476-6860.

HIGH SCHOOL TEACHERS TOPICAL GROUP

Centralia, Its Underground Coal Fires, Human Tragedies and Environmental Impact

Speaker: Dr. Yuri Gorokhovich
Lamont Doherty Laboratories
Columbia University

The story of underground coal fires in small town Centralia located in the middle of Pennsylvania State still attracts attention of scientists, media and general public. These fires burn for more than 40 years, starting in 1962 after local residents decided to burn an old landfill with a state permit. Since landfill was located in abandoned coal mine strip, coal picked up a fire and started going. As a result the town was announced an "eminent domain" and more than 1,000 residents were relocated. The town of Centralia became a ghost town. The story of Centralia is only one of many underground fires throughout the world.

Date: Friday, December 16, 2005

Times: Social and Dinner — 5:45 PM
Caffe Pane e Cioccolato

Place: 10 Waverly Place at Mercer Street
(south-west corner)
New York, NY

(You eat, you pay cash only,
no credit cards.)

No reservations required

Times: 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.

HUDSON-BERGEN CHEMICAL SOCIETY



Dr. Kenneth Yamaguchi, Chair of Chemistry, NJCU, Dr Steven Anderson, Ramapo College of NJ, Speaker on "The Wonders of Chemical Catalysis at the Hudson Bergen Chemical Society Meeting of September 30 at NJCU, and Dr. Hanae Houari, NJCU, Secretary, HBSC.

MARM 2006 TO MEET AT HERSHEY, PA

The 2006 Middle Atlantic Regional Meeting (MARM 2006) of ACS will be held in the spacious conference center of Hershey Lodge, Hershey, PA, on June 4 to 7, 2006. Check the meeting website at <http://www.marm2006.org> for regular updates of the meeting plans. Of special note:



- A technical chemical program emphasizing Analytical, Food (especially chocolate), Organic, Medical/Pharmacology, Exemplary Plenary Sessions, Burger Symposium, and Copes Scholars Symposium.
- Additional program areas planned are: 100 years of FDA Regulation, Mass Spectrometry, Forensics, Education, Law, Computers, History (esp. Joseph Priestly), Inorganic, Polymers, Bench to Pilot Plant, and Physical.
- Awards will be given for the best undergraduate and graduate research.
- Notable entertainment for accompanying persons, such as Hershey Amusement Park, Chocolate World, and nearby Harrisburg and Lancaster County.

MARM 2006 is co-hosted by SE Pennsylvania and Susquehanna Valley Sections of ACS.



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WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM AND MEDAL AWARD BANQUET

In honor of Professor K. Barry Sharpless
The Scripps Research Institute

Topic: Keeping It Simple: Click Chemistry in Action

Date: March 10, 2006
Place: Crowne Plaza Hotel, White Plains, NY

1:30 PM	Welcome	Professor Jill K. Rehmman 2006 Chair, ACS New York Section St. Joseph's College
1:35 PM	Opening of the Distinguished Symposium	Mrs. Joan A. Laredo-Liddell 2006 Chair-Elect, ACS New York Section Marymount College of Fordham University
1:45 PM	Dipolar Cycloadditions: Old Dogs, New Tricks	Professor Valery V. Fokin The Scripps Research Institute

Despite of the high energy content, organic azides and alkynes are chemically orthogonal to an unusually broad range of reagents, solvents, and other functional groups. Although their thermal cycloaddition reaction is exceedingly slow due to the high energy of activation (ca. 24-26 kcal/mol), their reactivity towards each other can be revealed by means of an appropriate catalyst. For example, copper(I) results in the formation of the 1,4-disubstituted 1,2,3-triazoles, while ruthenium(II) catalyzes formation of the complementary 1,5-regioisomers. Catalytic azide-alkyne cycloadditions are now among the most efficient ways to permanently unite diverse structures by means of the triazole connections -- permanent chemically inert links that bring together blocks with desired functionality.

Representative examples from our laboratories, as well as important mechanistic aspects of these processes and their implications for the design of other catalytic systems will be discussed in the lecture.

2:30 PM	Towards Bioactive CyClick Peptides.	Professor Jan H. van Maarseveen University of Amsterdam
---------	-------------------------------------	--

Small cyclic peptides have been isolated from several species and often they show potent bioactivities. Further exploration is, however, hampered by the difficult synthetic accessibility. It turned out that replacement of one or more backbone amide bonds in small cyclic peptides by 1,4-substituted triazole units greatly improves the synthesis. In addition, it turned out that both electronically and sterically 1,4-substituted triazoles are perfect trans amide isosteres. CyClick analogs will be discussed of the natural cyclic tetrapeptide c[Pro-Val-Pro-Tyr], a tyrosinase inhibitor that cannot be cyclized using traditional lactamization methods.

3:15 PM	Coffee Break	
3:45 PM	Using Organic Chemistry to Control the Properties of Nanoscopically Defined Materials: From Microprocessors to Hydrogels.	Professor Craig J. Hawker University of California, Santa Barbara

In designing polymeric materials for use in nanotechnology it rapidly becomes apparent that control over all aspects of polymer structure (molecular weight, polydispersity, number and position of functional groups, architecture, etc.) is required if these materials are to be used successfully to create nanostructures in the sub-50 nm size regime. Equally important to the rapid introduction and incorporation of these materials into devices is the development of robust and simple techniques for their synthesis. This last feature will allow a wide range of materials to be prepared efficiently while also permitting non-experts to prepare well-defined materials. The development of facile chemistry for the design and application of materials in advanced storage devices and microelectronics for the information technology industry will be discussed. Further examples will demonstrate that these new synthetic techniques may also have application in other areas such as bio-sensors, DNA chips, delivery devices and high modulus hydrogels.

4:30 PM	How Much Reactivity Does a Chemist Need?	Professor K. Barry Sharpless The Scripps Research Institute
---------	--	--

I have borrowed my title from Leo Tolstoy's famous short story How Much Land Does a Man Need? The original is a morality tale writ large, a short story about a man who, in his lust for land, forfeits everything, including his own life. However, though I read it some 50 years ago, it has stuck as a vivid memory and a meaningful icon.

My lecture will consider the chemists' love affair with reactivity. How much more 'new reactivity' we think we need, and how by seeing the known in new light we might find creating new properties and functions much easier than we had ever imagined possible, and how chemical orthogonality can enable us to create "Trojan Horse" molecules using Nature's own biochemical tools without Her ever noticing.

5:30 PM Closing of the Distinguished Symposium

CHEMISTRY AS A LIFE SCIENCE SYMPOSIUM XIII

Friday the 17th of March, 2006

The thirteenth in this series of biennial symposia will be held at:

**The Paul Robeson Campus Center
Rutgers, The State University
Newark, New Jersey**

**Distinguished Speakers:
Robert H. Grubbs*,
California Institute of Technology**

**Amir H. Hoveyda,
Boston College**

**Madeleine M. Joullie,
University of Pennsylvania**

**Koji Nakanishi,
Columbia University**

**Matthew D. Shair,
Harvard University**

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University of California at Berkeley**

***Congratulations to the 2005 Nobel Laureates in Chemistry:
Yves Chauvin, Robert H. Grubbs, Richard R. Schrock**

This symposium is free and open to the public. Further information regarding the symposium is available on the website for the North New Jersey Section of the American Chemical Society. Due to limited seating, advance registration is required using a form located on the website.

<http://njacs.org/caals2006.html>

North Jersey Meetings

<http://www.njacs.org>

EXECUTIVE COMMITTEE AND SECTION MEETING

There is no No. Jersey Executive Committee Meeting in December 2005.

2005 ACS FALL MEETING IN WASHINGTON, DC

COUNCILOR REPORT

For the 2005 ACS Fall Meeting in Washington DC, North Jersey had full representation at the Council meeting. Representing the section were the following Councilors and Alternate Councilors: Anita Brandolini, Jeannette Brown, Maureen Chan, Alan Cooper, Jacqueline Erickson, Susan Fahrenholtz, Robert Goodnow, Stan Hall, George Heinze, Bettyann Howson, Anne Kelly, Diane Krone, Valerie Kuck, Les McQuire, and Stephen Waller.

While in Washington DC, many of the councilors participated in committee meetings and other governance activities, including the Town Hall Meetings and Mid-Atlantic Councilor Caucus. The Mid-Atlantic Councilor Caucus was chaired by Steve Waller.

Some of the Committees with North Jersey Councilors are Budget and Finance, Corporation Associates, Committee on Economic and Professional Affairs, Divisional Activities Committee, Local Section Activities Committee, Membership Affairs Committee, Nominations and Elections, SOCED, WCC and others. Below are a few highlights from some committee meetings and other activities.

Town Hall meetings were held by the Committee on Nominations and Elections. One meeting focused on election procedures and the results of a survey conducted by the committee. The other town hall meeting was a forum for candidates for the Director at Large position. These candidates include James Burke, Edwin Chandross, Gordon McCarty and Frankie Wood-Black.

Les McQuire, a member of the Local Section Activities Committee (LSAC), attended the LSAC meetings, and he chaired the subcommittee on Alliances and Partnerships. He is also a member of Corporation Associates (CA), and he chaired the Program Subcommittee, during that committee meeting. Les is also involved in a number of other governance activities, including the Regional Activities Coordination Team (ReACT), and he gave a presentation at the Mid-Atlantic Councilor Caucus. This presentation provided an overview of the recommendations for changing the role of regional meetings and regional meeting steering committees in the society.

Anne Kelly is a member of the Divisional Activities Committee (DAC). DAC discussed future plans to support the changes within the ACS: increasing multidisciplinary and attracting members from fields outside the traditional definition of Chemistry. Ideas included possibly merging some divisions, having sessions of interest to multiple divisions located in the same geographical areas to facilitate attendance, and ideas to increase collaboration / multidivisional activities. This discussion will continue at the spring national meeting.

George Heinze and Jacqueline Erickson attended the Membership Affairs Committee (MAC) meeting and their respective subcommittee meetings. MAC has reorganized its subcommittee structure to have 3 subcommittees (Membership Categories and Dues, Recruitment and Retention, and Member Benefits), and a significant amount of time was spent on the committee's strategic plan. The Categories and Dues subcommittee also spent time discussing possible recommendations for task force on ACS Governance Review, and the future of the ACS Council and Committee structure. Also, MAC adopted a resolution that expressed its concern that "the education requirements for an ACS-approved degree, and thus for immediate and welcoming eligibility for membership, should be revised to be more encompassing of the multidisciplinary and evolving nature of chemistry."

At the Council meeting, reports were given by the President, President-Elect, Immediate Past President, Chair of the Board of Directors, and the Executive Director & CEO of the ACS. Reports were also given by committees.

The Committee on Nominations and Elections presented councilors as candidates for the elected committees which include the Committee on Committees, Council Policy Committee and Committee on Nominations and Elections. Valerie Kuck of this section was elected to the Council Policy Committee.

The Committee on Nominations and Elections withdrew its petition on election procedures prior to the spring national meeting. This action was to allow the committee to discuss further the issues raised by the Committee on Constitution and Bylaws and to solicit additional input from councilors and other members.

A report was also given by James Burke, chair of the ACS Board of Directors during the Council meeting. One of the main items in the report was the requests for the Society's 2006 proposed budget, which include:

- o A two-year pilot program for ACS High School Chemistry Clubs
- o ACS activities in connection with the International Science and Engineering Fair
- o A Leadership Development Program that delivers a pool of capable, effective and motivated leaders for volunteer roles throughout the Society
- o Reauthorization of, and continued funding for the Green Chemistry Institute
- o A complete reinvention of the Society's Web Presence

A special discussion item was also put on

the Council agenda for this meeting. ACS President William F. Carroll described the process being used to develop a Society vision hypothesis (vision statement) that is to be tested with members, customers, governance and other interested parties. Dr. Carroll described the methods used to get member input at the national meeting. ACS national meeting attendees reported 15 common themes to be considered as important to the Society's future. Dr. Carroll sought Council input on the most frequent themes: diversity, young people, governance, multidisciplinary, globalization and outreach. Councilors then engaged in a thoughtful, yet lively exchange of their vision of the Society's long-term future.

After the Council meeting, a special briefing on executive compensation was held. The purpose of this meeting was to describe the processes used to compensate executive staff positions within the ACS (e.g. Executive Director, Secretary, etc). Various professional societies and non-profit institutions were used as a benchmark for executive compensation, as were several for-profit institutions. It was noted that there are few non-profits similar to the ACS, and that the Publications division is much more similar to a for-profit institution, thus the inclusion of these organizations. Following the briefing, there was extensive discussion by the councilors on the process used.

If any North Jersey members would like more information on these topics or would like to provide feedback on this report, please contact the Chair at jacqueline.a.erickson@gsk.com.



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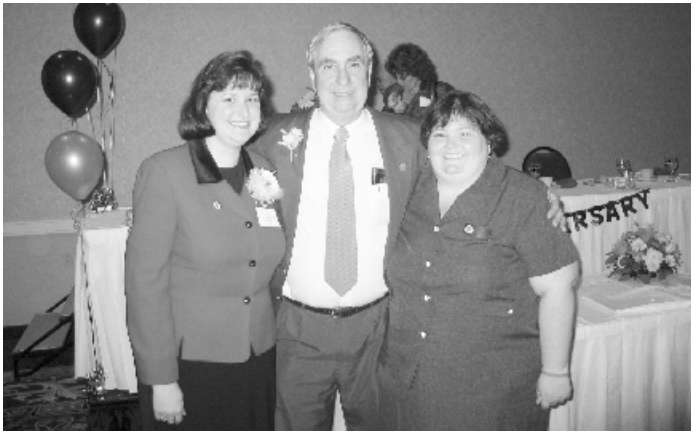
TEACHER AFFILIATES

Executive Committee Meeting

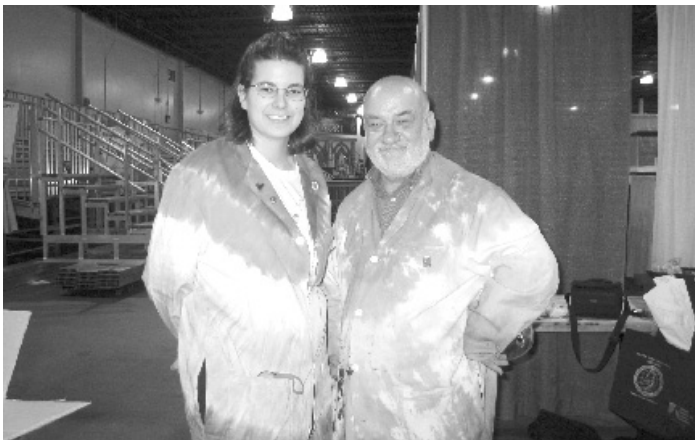
Date: Monday, December 12, 2005

Time: 4:30 PM

For location: Contact: Diane Krone at (201) 385-4810 or kroned@optonline.net



Award: Brenda Rosenau, recipient of the 2005 Edward J. Merrill Award for Outstanding High School Chemistry Teaching, George Gross, Chair of North Jersey Education Committee, and Patti Duncan, Chair North Jersey Teacher Affiliates.



Colorful: Lynn Prosen and Paul Sekular presented Colorful Chemistry at the New Jersey Science Convention in October.

MASS SPECTROMETRY DISCUSSION GROUP

NJACS-MSDG Award Lectures

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Mount Sinai School of Medicine
New York, NY

Recipient of the 2005 NJACS-MSDG
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Spectrometry

Speaker 2: Dr. Nathan Yates
Merck & Co.
Rahway, NJ

Recipient of the 2005 NJACS-MSDG Early
Career Award in Mass Spectrometry

Date: Tuesday, December 13, 2005

Times: Social 5:30 PM
Dinner 6:15 PM
MSDG Announcements 7:00 PM
Year in Review 2005 - 7:15 PM
Election of New Board Members
7:45 PM

Place: Somerset Marriott Hotel,
Somerset, NJ

Cost: None

Registration/Dinner: Must register online at
www.njacs.org/ms.html

For additional information, please visit our
webpage at www.njacs.org/ms.html

Call for Posters

STUDENT POSTERS

Mid Atlantic Chapter Laboratory Robotics Interest Group

Open to undergraduates and graduate students. Student posters may be on ANY TOPIC in engineering or the biological and physical sciences.

Cash prizes will be awarded. The winners of the 2005 contest are posted at:
<http://blake.montclair.edu/~olsenk/may%202005%20poster.htm>

The student poster contest is being run in conjunction of the chapter's annual New Technologies Meeting. This meeting showcases the latest technologies for the laboratory from automated devices, to new instruments, and improved data management systems.

Date: Thursday, March 23, 2006

Time: 3:00 - 9:00 PM

Place: Montclair State University
Student Center
Montclair, NJ



Education

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549 *Electroanalytical Chemistry*
Dr. Huixin He
Tue 6:00–8:50 pm, 240 Smith Hall

544 *NMR Spectroscopy: Principles and Applications*
Dr. Charalampos Kalodimos
Wed 6:00–8:50 pm, 240 Smith Hall

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The Spring 2006 term begins on Tuesday, January 17.

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Call for Papers

MID ATLANTIC CHAPTER LABORATORY ROBOTICS INTEREST GROUP

New Technologies Meeting

Presentations are being sought from scientists and engineers who have developed or implemented new laboratory technologies. Possible topics include new applications for robotics, novel instrumentation, analytical techniques, or improved methods of data management and computation.

Date: **Thursday, March 23, 2006**

Time: 7:00 - 9:00 PM

Place: Montclair State University
Student Center
Montclair, NJ

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Call for Nominations

GOLD MEDAL AWARD: SOCIETY FOR APPLIED SPECTROSCOPY, NEW YORK SECTION

Nominations are being sought for the 2006 Gold Medal 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 2006 Eastern Analytical Symposium. A nominating letter describing the nominee's specific accomplishments should be submitted along with a biographical sketch by January 15, 2006. Eligibility is open to everyone. Please send nomination materials to:

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ANALYSIS FOR THE CHEMICAL ELEMENTS

ADVANCING DIVERSITY IN THE CHEMICAL SCIENCES

The American Chemical Society Committee on Minority Affairs is pleased to announce a Call for Nominations for the Stanley C. Israel Regional Award For Advancing Diversity in the Chemical Sciences.

The American Chemical Society Committee on Minority Affairs is pleased to announce a Call for Nominations for the Stanley C. Israel Regional Award For Advancing Diversity in the Chemical Sciences

Purpose: To recognize individuals and/or institutions that have advanced diversity in the chemical sciences and significantly stimulated or fostered activities that promote inclusiveness within the region.

Nature: The award consists of a medal and a \$1,000 grant to support and further the activities for which the award was made. The award also will include funding to cover the recipient's travel expenses to the ACS regional meeting at which the award will be presented.

Rules of Eligibility: Individuals nominated for the award may come from any professional setting: academia, industry, government, or other independent facility. Nominees may also be organizations, including ACS local sections and divisions. The awardees will have increased the participation and leadership of persons from diverse or underrepresented minority group(s), persons with disabilities, or women.

To Nominate: For nomination of individuals, a letter of nomination of no more than three pages and a CV or resume is required. For institutions or corporations, a brief description of the institution or organization must be included. Nominations may also include up to two supporting letters of no more than three pages and up to five different samples of program materials.

Send nominations to:
Committee on Minority Affairs
American Chemical Society
1155 16th Street NW
Washington, DC 20036

For information regarding the award, contact Stephanie Allen, 800/227-5558 ext. 6262, or e-mail: s_allen@acs.org.

Deadline for receipt of nominations is January 13, 2006.

CHIRALITY MEDAL 2006

The Chirality Medal was instituted by the Societa Chimica Italiana in 1991 to honor internationally recognized scientists who have made a distinguished contribution to all aspects of chirality. Any scientist is invited to submit a nomination for the 2006 Chirality Medalist. **The deadline for nominations is March 1, 2006.** The Medal will be presented at Chirality 2006, the 18th International Symposium on Chirality (ISCD-18) to be held on June 25-28, 2006 in Busan, South Korea (Chirality 2006 web site: www.chirality2006.org).

Please email the letter of nomination with supporting documents by March 1 to the Chair of Chirality 2006, Professor Myung Ho Hyun at mhyun@pusan.ac.kr

Previous Chirality Medal Winners are as follows:

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- 1992 V. Prelog (Switzerland)
- 1993 K. Mislow (USA)
- 1994 W. Pirkle (USA)
- 1995 K. Nakanishi (USA)
- 1996 E. L. Eliel (USA)
- 1997 R. Noyori (Japan)
- 1998 H. Kagan (France)
- 1999 V. Davankov (Russia)
- 2000 B. Sharpless (USA)
- 2001 Y. Okamoto (Japan)
- 2002 D. Seebach (Switzerland)
- 2003 D. Armstrong (USA)
- 2004 V. Schurig (Germany)
- 2005 K. Soai (Japan)

Others

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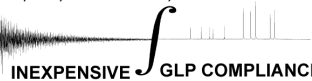
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