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THE INDICATOR-OCTOBER 2006

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October Calendar

NEW YORK SECTION

Thursday, October 5, 2006

Chemical Marketing & Economics Group
See page 7.

Wednesday, October 11, 2006

Westchester Chemical Society
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Friday, October 20, 2006

High School Teachers Topical Group
See page 8.

Deadline for items to be included in the December 2006 issue of *The Indicator* is October 15, 2006.

NORTH JERSEY SECTION

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Careers in Transition
See page 10.

Monday, October 16, 2006

Teacher Affiliates Executive Committee
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Chromatography Group
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Wednesday, October 18, 2006

Mass Spectrometry Discussion Group
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Monday, October 23, 2006

NoJ Executive Committee
See page 9.

Friday, October 27, 2006

Organic Symposium
See page 12.

THIS MONTH IN CHEMICAL HISTORY: A CORRECTION

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

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

In a previous column I discussed the history of the term "photon" as it is currently used, attributing it to G.N. Lewis in a 1926 publication. A well-informed reader, Dr. Rodney Brooks of Wanaka, New Zealand, a retired physicist who is writing a book on Quantum Field Theory, has drawn to my attention the need to correct and amplify that column. He points out that Max Planck, in his Nobel Prize acceptance speech delivered in 1920 (for the prize in physics for 1918), used the word "photon" in its modern sense five times. I believe that speech was delivered in German. It was translated into English and also published in English but I have not yet traced the dates of the earliest publications.

If I attach the proviso to my previous column that I was discussing the word 'photon' as it appeared in English then the column stands as essentially correct. A re-reading of the full Oxford English Dictionary (OED) confirms the history of the word in English as I gave it.

That leaves us with two further puzzles. What is the origin of the German term "photon" that Planck used in 1920? Was it invented by Planck (the Nobel speech makes no mention of the word as a new term) or was it in general use in Germany at that time? Unfortunately the library sources I have at my disposal do not include a comprehensive dictionary of German on historical principles, a German analog of the OED. And was G.N. Lewis aware of Planck's use of the term, somehow omitting reference to its prior use?

If any perceptive readers can help me with answers on either of these points I would appreciate hearing from them.

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John Arnett, Ph.D., Director of Operations

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PS Form 3526, September 2006

New York Meetings

www.newyorkacs.org

CHEMICAL MARKETING & ECONOMICS GROUP

Ethanol Supply & Demand Forecast

Speaker: Greg Sweeney
Director of Carbon Dioxide Sourcing
Praxair, Inc.
Danbury, CT

Date: Thursday, October 5, 2006

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, October 3 (12 noon). \$55 for Guests and Members (at the door without reservations)

To reserve: Please reserve early to be eligible for discount price.

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WESTCHESTER CHEMICAL SOCIETY

Microsphere Biosensors

Speaker: Iwao Teraoka
Associate Professor
Polytechnic University
Brooklyn, NY

This presentation is about one of the world's most sensitive biosensors, which Dr. Teraoka has been developing over the past several years. The biosensor uses a transparent glass sphere of a diameter of less than 1 mm, which can house highly monochromatic light that travels along the interior side of the glass surface by total internal reflection. The surface of this sphere is modified with a ligand. When a biomolecule with a receptor attaches to the ligand, the orbit of the monochromatic light becomes slightly longer, which can then be detected as a shift of the wavelength. This sensing scheme detected, with extremely high sensitivity, non-specific adsorption of proteins, hybridization of DNA, and adsorption of antigens to immobilized antibodies. It is predicted that our biosensors will be able to detect a single molecule of insulin without the necessity of fluorescence labeling.

Dr. Teraoka earned his Ph.D. at the University of Tokyo After postdoctoral appointments at the IBM Almaden Research Center and the University of Massachusetts at Amherst, Teraoka has been teaching chemistry at Polytechnic University. His research has been in the fields of polymer solutions and polymer chromatography. He is now concentrating on photonic biosensors. He is the author of a textbook, "Polymer Solutions: Introduction to Physical Properties," Wiley 2002.

Date: Wednesday, October 11, 2006
Times: Registration and refreshments 5:30 PM

Speaker's talk, Q & A 6:15 PM
Dinner at a nearby restaurant 7:30 PM

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

For more information, contact Professor Mary Cowman: mcowman@duke.poly.edu

HIGH SCHOOL TEACHERS TOPICAL GROUP

Using Video (Streaming and Nonstreaming) to Enhance Your Science Lesson

Speakers: Christopher Ward
Hommocks School
Mamaroneck, NY
and
Thomas Vesey
Gorton HS
Yonkers, NY

Learn how to use video segments in inquiry based lessons (using NTTI Methodology): how to get on line using the 13/PBS/NYS purchased streaming site and download free video clips: other resources on the site and more. (We will also touch on how to use movie video clips to enhance a science lesson.)

Thomas Vesey - Teacher at Gorton HS, Yonkers. Currently teaching Regents Living Environment. Certified in Earth Science, Biology and Chemistry. Turn key trainer and mentor for new teachers for the Yonkers School District. Adjunct Professor for Iona. Currently finishing his doctorate in Liminology. Past Ford Foundation Award winner. STANYS Presenter. Member of STANYS, ACS, Westchester Chemistry Group, NBTA, NY Chem Club and NY Physics Club.

Christopher Ward - Teacher and mentor for new science teachers at Hommocks School, Mamaroneck School District. Currently teaching Regents Earth Science and Introduction to Research. Certified in Earth Science, Biology, Chemistry and Physics. Past NTTI Master Teacher and Texaco/Thirteen/PBS NTTI Teacher of the Year. Who's Who Among American's Teachers Vol 1, 9 and current edition. STANYS Presenter. Current Chairperson of Thirteen/WNET's Educational Service Advisory Committee. Member of STANYS, NESTA, Westchester Chemistry Group, NY Chem Club and NY Physics Club

Date: Friday, October 20, 2006
Time: Social and Dinner 5:45 PM
No reservations required
Place: Caffè 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.

NY SECTION ELECTION RESULTS

The results of the ACS New York Section's 2006 elections, held in May, were announced at the Section's Board of Directors meeting on June 9th. The New York Section extends a sincere thank you to all of the candidates in this election and expresses its deep appreciation for their time and efforts. The Section looks forward to another successful year in 2007.

Chair-elect for 2007

Marc A. Walters
New York University

Secretary for 2007 and 2008

Iwao Teraoka
Polytechnic University

Director-at-Large for 2007

Mary K. Cowman
Polytechnic University

Brian A. Gibney
Columbia University

Barbara R. Hillery
College at Old Westbury, SUNY

Councilors for 2007-2009

Hiroko I. Karan
Medgar Evers College, CUNY

Patricia A. Redden
Saint Peter's College

Yorke E. Rhodes
New York University, Retired

Alternate Councilors for 2007-2009
Richard D. Cassetta
College of New Rochelle

Richard M. Goodman
President, Richard M. Goodman
Consulting LLC

Marc A. Walters
New York University

Congratulations!



2007 WILLIAM H. NICHOLS MEDALIST

The Nichols Medal Jury is pleased to announce that, following careful deliberations, the Jury unanimously selected **Professor Nicholas J. Turro** of Columbia University as the 2007 Nichols Medalist.

The Nichols Distinguished Symposium and Medal Award Dinner will be held on **Friday, March 16, 2007** at the Crowne Plaza Hotel, White Plains, NY. The program for the Symposium is available on the New York Section's website (<http://www.NewYorkACS.org>) and will be published in the January, February and March issues of *The Indicator*. A brochure describing the events and registration will be sent to all New York Section members in January. Please reserve this date to support the Section's most important event.

Congratulations and Best Wishes to Professor Turro.

North Jersey Meetings

<http://www.njacs.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, October 23, 2006

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
view.fdu.edu/default.aspx?id=238

Reservations: call 732-463-7271 or email njacsoffice@aol.com prior to **Wednesday, October 18, 2006**.

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.



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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, October 5, 2006**, 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, if you plan on attending this meeting.



CAREER CORNER ESTABLISHED

In future issues of *The Indicator*, an article addressing career concerns will be printed under the title of Career Corner. We would like to hear from you. If you have specific questions concerning resume preparation, finding a job, handling interview questions or good sources for career advice or want to tell others about your successful efforts, please contact bill suits@earthlink.com.

National ACS has established a website, <http://pubs.acs.org/chemjobs/>, to address career matters for both employers and members. At the site, employers can place job ads, search the Cen-ChemJobs database to find suitable candidates and sign up for on-site interviewing at ACS clearinghouses. Members can post their resumes on Cen-ChemJobs, search job postings in C&EN by degree, sub-field and work sector, and sign up to receive alerts when jobs of interest are posted. Members can also sign-up for a Career Consultant who can help with resume optimization and give job search tips. At this site, members can also hire a Coach, get an assessment of their behavioral style and have questions answered on career related matters. There are also publications to cover career issues as well along with advice for non-residents and interview tips. There also is a "Salary

Comparator", which is updated annually from the ACS annual survey, that will allow an individual to learn the salary earned by individuals in their geographic area with a similar training and experience.

Locally, the North Jersey Section has a monthly meeting at Fairleigh Dickinson University in Madison for those interested in learning more about resume writing, job search strategies and interviewing skills and getting advice on ways of improving their resume and job search. There is no charge for attending these meetings. Members interested in attending those meetings should go to www.njacs.org and click on Careers in Transition. At the site, there are Job Postings as well. Employers who sponsor NJACS events can post positions for free. At the Job Posting section there is a listing of all of the companies in the area. This list is accessible by clicking on the link for Pharma, Cosmetic & Health Companies. This listing of companies has been provided by Rutgers University.

At most topical group meetings of the North Jersey Section, there is a Career Board containing information on jobs and assistance which can be obtained on career matters. Employers are encouraged to bring job postings for the board and make announcements at the meetings. These topical group meetings are great opportunities for job seekers to network and conduct informational interviews.

A team of Career Councilors from the North Jersey Section is available to address student groups about career planning, resume preparation, interviewing, and job openings in various industries. Student advisors should contact bill suits@earthlink.net to get further information on these workshops.

We look forward to hearing from you.

Valerie J. Kuck
vjkuck@yahoo.com

Bill Suits
bill suits@earthlink.net



TEACHER AFFILIATES

Executive Committee Meeting

Date: Monday, October 16, 2006
Time: 4:30 PM
Place: Chatham High School
255 Lafayette Avenue
Chatham, NJ

Contact: Diane Krone at 201-385-4810 or kroned@optonline.net



NORTH JERSEY CHROMATOGRAPHY GROUP — IN CONJUNCTION WITH THE 9TH ANNUAL CPSA SYMPOSIUM ON CHEMICAL AND PHARMACEUTICAL ANALYSIS

Pharmaceutical Sciences-Analytical New Strategies

Sponsored by: Milestone Development Services

Members of the NJCG are cordially invited to attend the evening sessions:

- **Providing Information-Rich Solutions for Pharmaceutical Product Development through the use of Innovative Technologies**
Brian E. Winger, Thomas M. Zennie, Steven W. Baertschi, Andreas Kaerner
Eli Lilly and Company
- **Impact and Direction of Enabling Technologies within Analytical R&D at Pfizer-UK**
Paul Ferguson
Pfizer Global R&D
- **Challenges and Opportunities in Developing High Throughput Assays for Biocatalysis and Green Chemistry**
Junhua Tao
BioVerdant, Inc.

Date: Tuesday, October 17, 2006

Times: Symposium 4:45-6:00 PM
Sponsor Hospitality-Evening Workshops 6:00-8:00 PM

Place: Hyatt Regency Princeton
Princeton, NJ

Cost: FREE

Workshops Sponsored by Agilent Technologies, Applied Biosystems/MDS Sciex and Phenomenex

For Details visit:
<http://www.milestonedevelopment.com/CPSA/2006/program.html>

NJACS MASS SPECTROMETRY DISCUSSION GROUP — JOINT DINNER MEETING WITH CPSA 2006 CONFERENCE

Shaping the Pharmaceutical Landscape with Engaged Analytical Sciences

Sponsor: Milestone Development Services
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Keynote Lectures

"Ion Formation from Complex Solutions: Understanding Matrix Effects and Ionization Suppression"

Richard C. King
Merck Research Laboratories

"Markers of Cancer Using a Liquid Proteomics Approach"

David M. Lubman
University of Michigan

Date: Wednesday, October 18, 2006

Place: Hyatt Regency Princeton
102 Carnegie Center
Princeton, NJ

Times: Instrument Vendor Exhibition
3:30 – 6:00 PM
Social Hour 5:00 – 6:00 PM
Dinner-North Jersey ACS Mass Spectrometry Discussion Group
6:00 – 7:30 PM
NJACS MSDG Announcements,
CPSA - Distinguished Analytical Scientist Award Presentation
7:30 – 7:45 PM
Keynote Lectures 7:45 – 9:00 PM

Cost of NJACS MSDG Meeting: None

Information:
<http://www.milestonedevelopment.com/CPSA/2006/shortcourses.html>

Register for NJACS MSDG Dinner Meeting: <http://www.njacs.org/ms.html>



PRINCETON SECTION OF THE AMERICAN CHEMICAL SOCIETY

announces registration for

The 28th Annual Princeton ACS Fall Organic Chemistry Symposium

Professor Reinhard W. Hoffmann
Department of Chemistry
Philipps-Universität Marburg, Germany

Professor James Leighton
Department of Chemistry
Columbia University, NY

Professor Harry Gray
Department of Chemistry
California Institute of Technology, CA

Dr. Stuart Rosenblum
Department of Medicinal Chemistry
Schering-Plough Research

Date: Friday, October 27, 2006

Times: Registration 12:00 – 1:00 PM
Symposium 1:00 – 8:30 PM

Place: Forsgate Country Club
Monroe Township, NJ

Cost: Registration/Reception/Dinner:
\$90.00 (\$55.00 /Students/Postdoc)

Name: _____

Telephone/Fax: _____

Affiliation: _____

Address: _____

Email: _____

If Student/Postdoc list Advisor: _____

Vegetarian Dinner Required (check box)

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MONEY IS DUE BY OCTOBER 2, 2006

NATIONAL CHEMISTRY WEEK

Do you enjoy generating lots of smiles and hearing an excited youngster ask if they can try that experiment? Why not join the North Jersey Section of the American Chemical Society (ACS) this year in its outreach to the general public? On **Saturday, Oct. 28** from 11:00-3:00, the Section will be celebrating **National Chemistry Week** at Fairleigh Dickinson University in Madison with the next generation of future scientists. Volunteers are needed to put on hands-on activities geared for 8 to 12 year olds. Why don't you come join us this year?

The theme for this year is **"Your Home: It's All Built on Chemistry"**. You are not limited to this topic but it would be appreciated, if a number of the activities dealt with this topic. As usual our first priority is safety. Preferably, we would like presenters to use household materials to demonstrate a scientific principle. For safety reasons there should be no activities or demonstrations involving the burning of materials. To help students redo your activities at home and at school, handout instructions would be greatly appreciated.

If you are out of ideas for safe activities for a table, you can look at the NCW page at the ACS website. To minimize duplication of the presentations, we will need to know **by October 7** the activity you would like to conduct at your table. Individuals contacting us first with their idea(s) will be given priority, so please let us hear from you as soon as possible. **By October 15**, we need to have the names and addresses of the individuals who will be joining you at your table.

As usual we are looking for financial support to cover the many expenses associated with our activities and would be most grateful, if you would contact the appropriate individuals at your company.

Please fill out the following forms and return them to me:

Form 1. Count me in.

My name is: _____

I can be reached at: (work phone number) _____

My complete address is: _____

My email address is: _____

I am an employee at: _____

The activities at my table will be: _____

In addition to a table, I also need: _____

I will be bringing handouts on activities that the students can do at home. Yes No

I will need more than one table. Yes No How many additional tables will you need? _____

Form 2. My company would like to support these efforts.

The following company/individuals are willing to help defray the costs of these events: (Checks should be made out to the North Jersey Section and sent to me.)

An acknowledgement letter for this contribution should be sent to (name and full address):

Form 3. I will be joined at my table by the following volunteers.

Complete Name(s): _____

Institution(s): _____

Address (snail mail): _____

Acknowledge letters should be sent to: _____

Activity: _____

Time Volunteering: _____

Be sure to tell your co-workers and friends about the Section's NCW activities. We look forward to seeing all of you on October 28 at the Student Center of Fairleigh Dickinson University in Madison.

Valerie J. Kuck
45 Warfield St.
Upper Montclair, NJ 07043
vjckuck@yahoo.com



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NORTH JERSEY ACS MEMBERS AT THE BIENNIAL CONFERENCE ON CHEMICAL EDUCATION

The Biennial Conference on Chemical Education (BCCE) was held last week at Purdue University in West Lafayette, Indiana. Over 1300 chemical educators who teach at the college and secondary school level attended it. There were over 840 papers, which is a record for that event! This meeting is organized by the Division of Chemical Education for chemical educators to exchange the latest information about the teaching and learning of chemistry at every level K-25. The meeting also consists of plenary lectures given by experts for the whole conference. Experts in chemical demonstrations exchange the latest in demonstration and put on a show for the entire conference. Every evening there is a social event after the evening plenary. The meeting is always held on a college campus and most attendees live and eat in the dorms. In fact even if a person opts to live in a near by hotel you can eat in the dorm because that is where you network with other members of the profession and find out informal information.

Every year members of the North Jersey Section of the ACS attend this conference. This year three members presented papers, Anita Brandolini, Jeannette Brown and Valerie Kuck. Diane and Tom Krone, and Betty Anne Howson also attended the meeting.

Jeannette Brown and Valerie Kuck (a Purdue alumni) gave presentations in a Symposium entitled "Women in Chemistry Education. Ms Brown's presentation was "The History of



Betty Anne Howson, Jeannette Brown, Tom and Diane Krone.

African American Women Chemists" Ms Kuck's presentation was "Analysis of the Doctoral Training of faculty members at Research Universities". Both women have done extensive research on their topics and will be publishing books in the future.

Dr. Brandolini's paper was entitled "The Keys to Chemistry: Interactive Web-Based Tutorials". Her paper was about a simple way for students to learn the background information that they need in order to understand chemistry courses. It is intended for college students whose secondary preparation was not up to par, but it is also being used by current secondary students as a tutorial.



Valerie Kuck

Diane Krone and Bettyanne Howson are high school teachers who attend these conferences for professional development to hone their skills. They spent a lot of time attending the demonstration lectures and POGIL workshops. POGIL is Process Oriented Guide Inquiry Learning, a student-centered discovery-based teaching strategy designed to simultaneously develop content knowledge and key process skills such as critical think and teamwork. This method prepares students for working in teams in college and industry.



Anita Brandolini



The Aldehydes and Ketones whoop it up.

Just so you know this meeting is not all work and no play, Sunday night there was an ice cream social sponsored by the Journal of Chemical Education. Monday night there was wine and cheese in the exhibit area and Wednesday night there was music and dancing. The music was played by a pick up band of chemists called "The Aldehydes and Ketones". This group was started two years ago at the Biennial at Iowa State University and was such a hit they came back for an encore presentation at this convention. They played music from the 60's and 70's. They had people such as Dr. Glenn Crosby, retired chemical educator, dancing along with the younger chemists!



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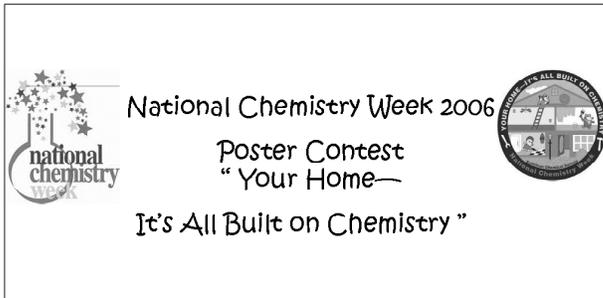
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As part of the National Chemistry Week 2006 celebration and in recognition of its theme, "Your Home—It's All Built on Chemistry", the American Chemical Society (ACS) is sponsoring a poster contest for students in Kindergarten – Grade 12.

Students are invited to create a poster that will serve as a public service announcement emphasizing the role of science/chemistry in the home and/or home safety improvements over the years

(e.g. building materials, materials of which homes are made, home safety through chemistry, homes from different periods in history and different cultures, homes that use green chemistry in their design and function).

Participants should create a poster that has a chemistry/science in homes message for the general public.

Prizes...Prizes...Prizes...Prizes...

First and second place in each of the following grade categories:

- K – 2nd
- 3rd – 4th
- 5th – 8th
- 9th – 12th

1st Place: \$200 Gift Certificate to amazon.com

2nd Place: \$100 Gift Certificate to amazon.com

There are also prizes for teachers of winning students, which will include a *Periodic Table of the Elephants* poster!

EDUCATORS:

Find important information about this contest—connections to chemistry and alignment to the *National Science Education Standards* at chemistry.org/ncw.

North Jersey ACS Local Section Prizes In each age category

First Place \$50.00 Second Place \$25.00 Third Place \$10.00

Prizes also for teachers of winning students which includes a periodic table book written by Anita Brandolini North Jersey ACS member.

National Chemistry Week Poster Contest

Contest Rules:

- All entries must be original works without aid from others.
- Posters must be no larger than 14 x 22 inches in size.
- Entries on foam board will not be accepted.
- Entries must be drawn using crayons, paint, colored pencils or markers.
- Only one entry per student will be accepted.
- All entries must have the following information included on the back of the poster: name of local section, ACS coordinator's name, student's name, grade, name of school, school address, teacher's name, school telephone number and teacher's email address (optional but appreciated).
- Entries lacking complete and legible information will be disqualified.
- ACS is not responsible for lost, damaged, or delayed postal shipments.
- All posters become the property of the American Chemical Society.
- Acceptance of prizes constitutes consent to use winners' names and entries for editorial, advertising and publicity purposes.

Judging:

Participant entries will be evaluated on how well the message in the poster promotes the chemistry found in the home/home safety.

Four criteria will be used to determine the top entry for each age group:

1. **Artistic merit** (use of color, poster design and layout)
2. **Poster Message** (related to chemistry's role in the science of homes/home safety)
Note: To be competitive at the national level, posters must maintain the spirit of the standards for the Physical Science Content Standards in the NSES. For detailed information—see online guide at chemistry.org/ncw.
3. **Originality** (unique, clever and/or creative design)
4. **Neatness** (free of spelling and grammatical errors and/or stray marks)

The North Jersey ACS Section will identify and submit one winning poster in each of the four (4) grade categories to the ACS Office of Community Activities in Washington, DC. All posters will be displayed during the 233rd ACS National Meeting in Chicago, IL, March 25 – 29, 2007. First and second place winners will be selected for each grade category during this meeting. Winners will be notified by April 15, 2007.

DEADLINE FOR SUBMISSION IS FRIDAY DECEMBER 8 2006

Mail to : North Jersey ACS Office
4 Cameron Rd.
Piscataway, NJ 08854

Questions: Jeannette Brown 908-239-1515 or Jebrown@infionline.net

National Chemistry Week is a program of the American Chemical Society
Membership Division - Office of Community Activities
1155 Sixteenth Street, NW, Washington, DC 20036
800-227-5558, ext. 6097, ncw@acs.org



Presents

*Discovery, Selection, and Development of Drug Candidates:
A Senior Leadership Perspective*

Friday, November 17, 2006

<p>Dr. Roy Vagelos (Retired Chairman and CEO, Merck & Co., Inc.) "The Changing Pharmaceutical Industry"</p>
<p>Dr. Carl Decicco (Bristol-Myers Squibb) "Innovation in Drug Discovery"</p>
<p>Dr. Paul Feldman (GlaxoSmithKline) "New Treatments for Type 2 Diabetes: GlaxoSmithKline's DPP4 Inhibitor and PPAR Pan Agonist"</p>
<p>Dr. Malcolm MacCoss (Merck & Co.) "EMEND(c) (Aprepitant) a potent, orally active Substance P Antagonist for the treatment of Chemotherapy Induced Nausea and Vomiting (CINV), from the medicinal chemistry bench to the clinic"</p>
<p>Dr. Bruce Roth (Pfizer) "The Discovery and Development of Lipitor"</p>

Registration will begin at 12:00, the symposium at 1:00, reception at 5:20, dinner at 6:00. Please note that Dr. Roy Vagelos' talk will be at 7:00 pm.

Location: Somerset Marriott, 110 Davidson Ave., Somerset, NJ 08873

For directions, information and further details please visit our website:

www.njacs.org/organic.html

Michael M. Miller, (Chair), Bristol-Myers Squibb
Ann Gelormini, (Secretary), Sanofi-Aventis
Jianshe Kong, (Treasurer), Schering-Plough
Lawrence Williams, Rutgers University

Amjad Ali, Merck
Binh Vu, Hoffmann-La Roche
Dong Xiao, Schering-Plough

Due to limited seating, registration and payment are required by November 1, 2006.
Registration fee: Symposium, Reception, and Dinner \$95.00
Students or Post-docs: Symposium, Reception, and Dinner \$75.00

Please check one: Symposium and Dinner (\$95) ... Student Discount (\$75)...
Dinner selection: Filet of Salmon... Pasta... Roast Prime Rib...

Check if you are a student or post-doc...

Name _____ Affiliation _____
Address _____ E-mail _____

To register this is for the **November 17, 2006** event only:

Send above registration information with a check made payable to "North Jersey Section ACS" to:

Dr. Jianshe Kong, Schering-Plough Research Institute, 2015 Galloping Hill Rd.,
Mail Drop K-15-2-2800, Kenilworth, NJ 07033 • E-mail: jianshe.kong@spcorp.com

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Tiernan Hall Rm. 373

"Microbes, Minerals and Arsenic"

Dr. Lily Young

Rutgers University, New Brunswick, NJ

Tuesday, October 17, 2006

11:30 AM – 1:00 PM

Tiernan Hall Rm. 373

TBA

Dr. Guido Pez

Chief Scientist, Air Products and

Chemicals

Allentown, PA

Tuesday, October 24, 2006

11:30 AM – 1:00 PM

Tiernan Hall Rm. 373

"Do Pharmaceuticals in Water Pose a Risk

to Human Health and the Environment?"

Dr. Edward Sargent

Merck & Company, Inc.

Whitehouse Station, NJ

Seminar Coordinators: Dr. Zeyuan Qiu

973-596-5357 zeyuan.qiu@njit.edu and

Dr. Sergiu Gorun 973-596-6595

sergiu.m.gorun@njit.edu

Puzzle — by Steve Waller

CHEMdoku Puzzle - Solve just like a standard Sudoku puzzle, except use the first nine elements from the periodic table. Fill in the blank squares with the elemental symbols such that each row, each column, and each 3x3 block contains all of the elements once. The elemental symbols are given across the top as a guide. **Solution on page 22.**

Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu
----	----	---	----	----	----	----	----	----

		V		Cu		Mn		
	Cu		Cr		Fe			
Co				Ni				Cu
Sc		Cr				Co		Mn
			Cu		Sc			
Cu		Ni				Sc		Ti
Mn				Co				V
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		Ti		V		Cr		

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Co	Cr	Sc	V	Ni	Mn	Fe	Ti	Cu
Sc	Ti	Cr	Ni	Fe	V	Co	Cu	Mn
V	Mn	Co	Cu	Ti	Sc	Ni	Fe	Cr
Cu	Fe	Ni	Mn	Cr	Co	Sc	V	Ti
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