

Congratulations to the 2011 ACS Fellows of the New York Section!



The 2011 ACS Fellows in the award ceremony at the ACS National Meeting in Denver on August 29, 2011.

From left Dr. John Sharkey, Ms. Nadia Makar,
Ms. Joan Laredo-Liddell, Dr. Donald Clarke,
Dr. Ronald D'Amelia.

(See story on page 14.)

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Visit Uswww.TheIndicator.org

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Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.

November Calendar

NEW YORK SECTION

Friday, November 4, 2011
Hudson-Bergen Chemical Society
See page 10.

Tuesday, November 8, 2011
Westchester Chemical Society
See pages 10-11 .

Monday, November 14, 2011
Brooklyn Subsection
See page 11.

Wednesday, November 16, 2011
MetroWomen Chemists Committee
See page 8.

Thursday, November 17, 2011
Long Island Subsection
See page 12.

Friday, November 18, 2011
New York Section Board Meeting
See page 10.

Friday, November 18, 2011
High School Teachers Topical Group
See page 12.

NORTH JERSEY SECTION

**Saturday, November 5, 2011 and
Monday, November 14, 2011**
CHEMJOBS (formerly Careers in Transition
Group) and CNJSTEM
See page 7.

Thursday, November 3, 2011
Teacher Affiliates Executive Committee
See page 7.

Thursday, November 10, 2011
Younger Chemists Committee
See page 8.

Wednesday, November 16, 2011
MetroWomen Chemists Committee
See page 8.

Saturday, November 19, 2011
Nanotechnology Workshop (coordinated by
Teacher Affiliates Group)
See page 9.

Monday, November 28, 2011
NoJ Executive Committee Meeting
See page 7.

***The Indicator* is posted to the web on the
15th of the previous month at
www.TheIndicator.org**

**Deadline for items to be included in the
December 2011 issue of *The Indicator* is
October 15, 2011.**



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OCTOBER HISTORICAL EVENTS IN CHEMISTRY

By Leopold May, The Catholic University of America, Washington, DC

(The editor regrets re-running the September version of Mr. May's informative article in the October issue of The Indicator. Below is the correct article as sent by Mr. May for October. See the following page for November's Historical Events.)

October 1, 1868

Georg Bredig, a researcher on anomalous atomic weights of lead from different sources, was born on this date. He also did research on the catalytic action of colloidal platinum, the "poisoning" of catalysts, and the preparation of colloids by electrical means.

October 3, 1811

Two hundred years ago on this date, a long article on spontaneous combustion by A. S. (Adam Seyfert) appeared in the Philadelphia newspaper, Aurora: It was the second article submitted by the Columbian Chemical Society.

October 5, 1861

Fifty years ago on this date, The Chemical Society of Union College, the precursor of the American Chemical Society, was founded.

October 7, 1886

One hundred and twenty-five years ago on this date, Neil E. Gordon was born. He was the founder and editor of the Journal of Chemical Education and the founder of the Gibson Island Conferences, later known as the Gordon Research Conferences.

October 9, 1718

Pierre J. Macquer who was born on this date, studied platinum (Pt, 78) and discovered arsenates of potassium and sodium.

October 10, 1930

Ernest O. Lawrence invented the cyclotron on this date.

October 14, 1886

One hundred and twenty-five years ago on this date, Jacobus H. Van't Hoff presented law showing that osmotic pressure of a dilute solution obeys Boyle's, Charles's & Avogadro's Laws, and that $pV = RT$ before Swedish Academy of Sciences.

October 18, 1955

Emilio Segrè and Owen Chamberlain discovered a new sub-atomic sub particle, negative proton or antiproton, on this date.

October 19, 1870

Robert Bowie Owens, who detected thorium radiation, was born on this date.

October 23, 1875

Gilbert N. Lewis who developed the theories of chemical bond and valency was born on this date. He also did research in thermodynamics.

October 23, Any Year

Mole Day, 6.02 a.m. through 6.02 p.m. (Mole time); Mole Moment: 50.453 s after 6.42 p.m.

October 24, 1817

Hippolyte Mège Mouriés discovered margarine, an oral formulation of the drug Copahin used against syphilis, and various patents relating to tanning and sugar extraction. He developed a health chocolate with his calcium phosphate protein. He was born on this date.

October 31, 1870

Robert Bowie Owens, who was born on this date, discovered radon and thoron from radium.

For more historical facts on chemistry, visit Dr. May's website at <http://faculty.cua.edu/may/ChemistryCalendar.html>

NOVEMBER HISTORICAL EVENTS IN CHEMISTRY

By Leopold May, The Catholic University of America, Washington, DC

November 3, 1854

Jokichi Takamine, who was born on this date, isolated the hormone adrenaline from natural sources

November 5, 1891

Neil K. Adam, researcher on unimolecular surface films, was born on this date. He discovered existence of a two dimensional state of matter at water air boundary.

November 6, 1886

One hundred and twenty-five years ago on this date, Ian M. Heilbron was born. He synthesized naturally occurring compounds, such as vitamins A and D.

November 7, 1878

Lise Meitner, who explained nuclear fission and discovered Protactinium in 1917, was born on this day.

November 8, 1711

Three hundred years ago on this date Mikhail V. Lomonosov was born. He suggested the law of conservation of mass and a theory of heat as a form of motion. Also, he opposed phlogistic chemistry; and was the first to record the freezing of mercury (Hg, 80).

November 10, 1764

Andrés M. Del Rio discovered vanadium in 1801, which he called erthronium. He was born on this date. Sefstrom often is given credit for the discovery of the element in 1830.

November 12, 1947

EG&G Idaho incorporated as Ederton, Gernhausen & Grier on this date.

November 14, 1807

One hundred and seventy-five years ago in 1836, Auguste Laurent obtained phthalic acid from naphthalene. Four years before this, he discovered anthracene and in 1841, showed that carbolic acid is phenol. Also, he constructed a saccharimeter; evolved the nucleus theory of organic radicals (with Charles F. Gerhardt), and made Laurent's acid. He was born on this date.

November 18, 1906

George Wald, who did research in the field of chemistry of vision, was born on this date. In 1967, he shared the Nobel Prize in Medicine with Ragner Granit and Haldan Keffer for their discoveries concerning the primary physiological and chemical visual processes in the eye.

November 20, 1886

One hundred and twenty-five years ago on this date, Karl von Frisch was born. He discovered how bees orient and communicate and shared the Nobel Prize in Physiology or Medicine in 1973 with Konrad Lorenz and Nikolaas Tinbergen for their discoveries concerning organization and elicitation of individual and social behaviour patterns.

November 23, 1887

Henry G. J. Moseley, who discovered that x-ray frequency is related to atomic number of elements in 1913, was born on this date. He was killed in World War I.

November 26, 1817

C. Adolphe Wurtz, who was born on this date, discovered a method of synthesis of hydrocarbons (Wurtz Reaction), 1855, methyl and ethylamines, 1849, phosphorous oxychloride, 1846, and glycol, 1856.

November 27, 1874

Chaim Weizmann, who discovered a method for synthesizing acetone in 1916, he was born on this date. He served as the first President of Israel, 1948-1952.

November 29, 1936

Seventy-five years ago on this date, Yuan T. Lee was born. He used specially designed mass spectrometer that could separate and identify reaction products. Fifty years ago in 1986, he shared the Nobel Prize in Chemistry with Dudley R. Herschbach and John C. Polanyi for their contributions concerning the dynamics of chemical elementary processes.

November 30, 1761

One hundred and fifty years ago on this date, Smithson Tennant was born. In 1803, he discovered iridium (Ir, 77) and osmium (Os, 76) and proved that diamonds are pure carbon.

Additional historical events can be found at Dr. May's website,
<http://faculty.cua.edu/may/ChemistryCalendar.htm>.

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, November 28, 2011

Time: 6:00 PM

Place: Fairleigh Dickinson University
Hartman Lounge, The Mansion
285 Madison Ave
Madison, NJ

Cost: \$5.00 - pizza dinner

Directions can be found using map quest and the address above. A map of the campus can be found at

<http://www.fdu.edu/fm.html>

Parking is available in the Mansion Lot

Reservations: call (732) 463-7271 or email njacsoffice@aol.com prior to **Wednesday, November 23, 2011**.

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.



TEACHER AFFILIATES

Executive Committee Meeting

Date: Thursday, November 3, 2011

Place: The College of St. Elizabeth
(room TBA)

Contact: Susanne lobst

pvslobst@yahoo.com

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CHEMJOB (FORMERLY CAREERS IN TRANSITION GROUP) AND CNJSTEM MEETINGS

Job Hunting??

Are you aware that the North Jersey Section holds monthly meetings at Students 2 Science, Inc. in East Hanover, NJ 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 search

The next meeting for Chemjobs will be held **Monday, November 14, 2011**, at Students 2 Science, Inc., 66 Deforest Avenue, East Hanover, NJ. The meeting will start at 5:30 PM and end at 9:00 PM. Networking, Informational Surveys, LinkedIn Optimization, Resume writing, and Interview Practice will provide the program with considerable interaction among the participants. A pizza snack and soda will be served at 6:30 at a cost of \$5.

Date: Monday, November 14, 2011

Times: 5:30 - 9:30 PM

6:30 PM Pizza snack and soda

Cost: \$5.00

Place: Students 2 Science, Inc.
66 Deforest Avenue
East Hanover, NJ

A second monthly session will be held on the first Saturday of the month with a group called CNJSTEM led by Don Truss from 8:30 AM to 11:30 AM. There the format will differ from Chemjobs with a networking and job lead sharing, followed by a topical talk and demonstration. Participants are encouraged to bring their lap tops for hands on exploration of LinkedIn and other resource sharing. Coffee and Donuts will be shared for a small donation.

Date: Saturday, November 5, 2011

Times: 8:30 AM - 11:30 AM

Cost: Donation for coffee and donuts

Please contact billsuits@earthlink.net, if you plan on attending these meetings.

YOUNGER CHEMISTS COMMITTEE

Evolution of a Scientist Lecture Series ~ A Professor's Journey

Speaker: Dr. Amber Charlebois
Assistant Professor of Chemistry
Fairleigh Dickinson University

The North Jersey Younger Chemists Committee is excited to hold our first installment in the Evolution of a Scientist lecture series.

This unique free lecture series will showcase local and regional chemists from academia, industry and the private sector and invite them to share their unique journeys and detail how they arrived at where they are today.

Our inaugural speaker, Dr. Amber Charlebois, is currently an Associate Professor of Chemistry at Fairleigh Dickinson University. She will share her adventures to Professorhood by way of an academic career path and give us glimpses into the challenges, hard work, and rewarding moments. Her current areas of research include nucleic acid visualization, honey bee pheromone synthesis and quantitation, HPLC analysis of protein structure, synthesis of potential biomarker for childhood autism, and chemical education. In addition, Professor Charlebois is chair-elect of the North Jersey Section of the ACS.

All scientists and students are invited to join us for a light dinner followed by an informal question and answer period.

Free food and drinks will be provided.

Date: Thursday, November 10, 2011

Times: Light dinner and social period
6:30 PM

Presentation followed by question
and answer period 8:00 PM

Place: Rutgers University
Wright-Rieman Chemistry Building
Room 260
610 Taylor Road
Piscataway, NJ

Space is limited and pre-registration is greatly appreciated. Please register at <http://njacs.org/yc/>

LINK for the map: <http://rumaps.rutgers.edu/location.jsp?id=C70861>

Becoming a Younger Chemist Committee member is easy... Just visit our website using the link below and sign up for free: http://groups.google.com/group/yc_njacs



AWIS
ASSOCIATION FOR WOMEN IN SCIENCE
Central Jersey

ACS METRO WOMEN CHEMISTS COMMITTEE (MWCC) – JOINT MEETING WITH THE ASSOCIATION FOR WOMEN IN SCIENCE-CENTRAL JERSEY CHAPTER (AWIS-CJC)



Celebration of
Marie Curie and
the 100th
Anniversary of Her
Nobel Prize in
Chemistry with a
seminar: "Finding
Work/Life Balance
On Your Terms"

Speaker: Ms. Joanne Gere
President
AWIS-CJC

Ms. Gere will lead a program developed by AWIS and funded by Elsevier: "Finding Work/Life Balance On Your Terms". She is the founder of the BioScience Collaborative, which provides business strategy consulting to early stage life science and clean technology companies.

Date: Wednesday, November 16, 2011

Times: Dinner and Networking
5:30 - 6:30 PM
Seminar 6:30 - 8:00 PM

Place: Rutherford Room
Fairleigh Dickinson University
285 Madison Avenue
Madison, NJ

Cost: \$30 per person/ \$15 for students
& unemployed.

The evening will include appetizers, a buffet style dinner and dessert.

Feel free to bring a bottle of wine.

Register at www.awisnj.org by November 13, 2011.

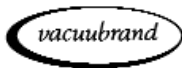
Learn more about the
North Jersey Section at
www.NJACS.org

NANOTECHNOLOGY WORKSHOP**(Coordinated by Teacher Affiliates Group)****Date:** Saturday, November 19, 2011**Times:** 9:00 AM – 2:30 PM**Place:** Governor Livingston High School
Berkeley Heights, NJ**Cost:** \$20.00

Must be pre-registered. Limited spaces.

Hostess: Meredith Morgan, (908) 464-3100
mmorgan@bhpsnj.org**CHEMISTRY AS A LIFE
SCIENCE — SYMPOSIUM XV**

The fifteenth in a series of CAALS biennial symposia.

*Distinguished Invited Speakers:*Laura Kiessling
University of Wisconsin-MadisonMarisa Kozlowski
University of PennsylvaniaKevan Shokat
University of California
San FranciscoBrian Stoltz
California Institute of TechnologyJin-Quan Yu
The Scripps Research InstituteElias Zerhouni
Sanofi**Date:** Friday, March 16, 2012**Place:** The Paul Robeson Campus Center
Rutgers, The State University of
New Jersey
Newark, NJ**Cost:** Free and open to the public.Further information regarding the symposium will be added to the website for the North Jersey Section of the American Chemical Society as it becomes available. Due to limited seating, advance registration is required. <http://www.njacs.org/caals>**Organizing Committee:** V. Lombardo (The Chipperson Law Group), Shawn Erickson (Hoffman-La Roche), Stan Hall (Rutgers), Darren Hansen (Rutgers), Dave Hughes (Merck), Joseph Kozlowski (Merck), William Metz (Sanofi), Michael Miller (Bristol-Myers Squibb), Wen Shieh (Novartis)**Five Decades of Vacuum Innovation**

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New York Meetings

www.newyorkacs.org

NEW YORK SECTION BOARD MEETING DATES FOR 2011

The dates for the Board Meetings of the ACS New York Section for 2011 were chosen and approved at the June 2010 Board Meeting. The meetings are open meetings; all are welcome. If non board members would like to attend the meeting, please let the New York Section office know by emailing Mrs. Marilyn Jespersen at njesper1@optonline.net or calling the office at (516) 883-7510. Refreshments are served at 5:45 PM and the meeting is held at 6:30 PM.

The 2011 Board Meetings will be held on the following Fridays in the library of St. John's University, 8000 Utopia Parkway, Jamaica, NY. Dr. Hiroko I. Karan will chair the meetings.

Friday, November 18, 2011



HUDSON-BERGEN CHEMICAL SOCIETY and THE SCHOOL OF NATURAL SCIENCES OF FAIRLEIGH DICKINSON UNIVERSITY

Synthesis of Chalcones as Antioxidants

Speaker: Jay R. Carreon, Ph.D.
Ramapo College of New Jersey

The human body is continuously exposed to radicals and other reactive oxygen species either from external sources such as exposure to X-rays, ozone, cigarette smoking and pollutants or from normal essential metabolic processes in the human body. Lipid membranes, proteins, and DNA are all susceptible to interaction with radicals, and natural molecules termed antioxidants provide an important defense against such damage. Antioxidants are compounds that interact with radical intermediates to form less-reactive radicals. Chalcones (1,3-diphenylprop-2-propen-1-ones) are a family of natural compounds that display a wide spectrum of biological activities including antioxidant activity. We want to understand how the chemical structure influences the radical scavenging ability of chalcones. A series of chalcones have been synthesized

via the Claisen-Schmidt condensation in order to contribute to an extensive structure-activity relationship study. In addition, in an effort to encourage "green chemistry", chalcones have also been prepared in the absence of solvent.

Dr. Carreon obtained his Ph.D. degree in Chemistry in the laboratory of Prof. Shana O. Kelley at Boston College, Chestnut Hill, MA. Subsequently, he moved on to Vassar College, Poughkeepsie NY as a visiting assistant professor. His research at Vassar involved the interface of chemistry and biology. More specifically he designed and synthesized biotinylated peptide epoxide probes as tools to purify and image cysteine proteases. Currently he is an assistant professor in the School of Theoretical and Applied Science at Ramapo College of New Jersey. His current research interests include green organic chemistry and synthesis of chalcones as antioxidants.

Date: Friday, November 4, 2011

Times: Social 5:30 PM

Dinner 6:00 PM

Lecture 7:00 PM

Place: Dickinson Hall Café

Fairleigh Dickinson University

Teaneck, NJ 07666

Cost: \$10.00 for dinner

Reservations: Dr. Mihaela Leonida (201) 692-2338, e-mail: mleonida@fdu.edu by **October 31, 2011.**



WESTCHESTER CHEMICAL SOCIETY

SPECIAL SEMINAR – Quantitative Applications of X-ray Microtomography – Examining Porosity, Compaction, and the Physical Properties of Meteorites

Speaker: Jon M. Friedrich
Department of Chemistry
Fordham University and the
Department of Earth and
Planetary Sciences
American Museum of
Natural History

The 3D imaging technique x-ray microtomography allows for the internal examination of materials at resolutions of up to about 1 micron/voxel (a voxel is a 3D pixel or volume element). Some background of the technique will be presented. Several quantitative applications of this 3D technique will be discussed including investigations into

the porosity and degree of compaction of primitive meteorites. These investigations inform us about the impact history of a meteorite's asteroidal parent body. The use of x-ray microtomography for the determination of particle size distributions will also be discussed.

Dr. Friedrich is an Assistant Professor in the Department of Chemistry at Fordham University and a Research Associate of the Department of Earth and Planetary Sciences at the American Museum of Natural History. Dr. Friedrich specializes in the chemical analysis of primitive meteorites called chondrites and the examination of the physical properties of meteorites and their components. Dr. Friedrich's research is focused on questions relating to the chemical diversity of the early solar system.

Date: Tuesday, November 8, 2011

Times: Refreshments 5:30 PM
Lecture 6:00 PM

Place: Westchester Community College
75 Grasslands Road
Gateway Building Room 110
Valhalla, NY

Cost: Free and open to the public

For more information, contact Paul Dillon:
E-Mail paul.dillon@siemens.com
Phone 1-914-524-3313



BROOKLYN SUBSECTION

Marie Curie Centennial Symposium: An Intersection of Science, Art and Thought

Baruch College of the City University of New York is hosting a symposium as part of the 2011 International Year of Chemistry. The symposium will feature a lecture entitled

"Chemistry's Essential Tensions: Three Views of Science"

by Nobel Laureate Roald Hoffman, Cornell University, a student poster session and a performance of the play "Oxygen" written by Roald Hoffman and Carl Djerassi.

Date: Monday, November 14, 2011

Times: Registration and Refreshments
4:15 PM
Introductory Remarks (Prof. Gillian Small, CUNY) 5:00 PM
Lecture (Prof. Roald Hoffmann)
5:05 PM
Poster Session 6:00 PM
Performance: ("Break a Leg Productions") 7:00 PM

Place: Engelman Recital Hall
Baruch College Performing Art Center in the Vertical Campus Building at Baruch College, CUNY 55 Lexington Ave. at 25th St. (between Lexington and 3rd Ave.) New York, NY (nearest subway: N, R and 6 to 23rd St.)

Cost: FREE

Registration: For registration information, please visit our website:

<http://faculty.baruch.cuny.edu/dgruber/Symposium.html>

Due to limited seating, registration is required **by October 20, 2011.**

Questions: Contact
IYC2011.MSC100@gmail.com or
Edyta.Greer@baruch.cuny.edu



METRO WOMEN CHEMISTS COMMITTEE

Date: Wednesday, November 15, 2011

(See under NoJ meetings, page 8.)

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LONG ISLAND SUBSECTION

Magnetic Carbon Nanotubes: Materials Development and Property Characterization

Speaker: Dereje Seifu

Department of Physics
Morgan State University

A versatile chemical method was used to fill multi-wall carbon nanotubes (MWCNTs) with ferromagnetic nanoparticles [1]. For the first time, pulsed laser deposition and magnetron DC sputtering were used to fill vertically aligned MWCNTs. The latter approach gave high-yield nanoparticle filling of MWCNTs. Samples were characterized by Electron Microscopy, Energy Dispersive Spectroscopy, Mössbauer Spectroscopy, and magnetization measurements. Mössbauer measurements on chemically impregnated MWCNTs clearly show the presence of atomic Fe as well as mixed phases of Fe nanoparticles inside the tubes. Magnetization measurements on PLD-filled vertically aligned MWCNTs indicate reasonable coercivity. However, the magnetic anisotropy appears to be randomly oriented, suggesting polycrystalline sample.

Acknowledgement: The research at Morgan State University was partially supported by the US ARL-WMRD (W1813LT-5006-7056).

[1] D. Seifu, Y.Hijji, G. Hirsch, and S. P. Karna, J. Magn. Magn. Mat 320, 312 (2008).

Dereje Seifu received his B.Sc. in 1982 and M. Sc. in 1985 in Physics from Addis Ababa University in Ethiopia. He received his Ph.D. in physics from the University of Cincinnati in Ohio in 1994. At present, Dr. Seifu is an Associate Professor of Physics at Morgan State University. He has worked as a summer research faculty at Ames NASA in California, at Army Research Laboratory in Aberdeen, Maryland, and at Brookhaven National Laboratory, NY. His research interest is in the area of nano-magnetic materials, exploring several methods of synthesis and characterization using Mössbauer spectroscopy, magnetic measurements, and electron microscopy.

Date: Thursday, November 17, 2011

Times: Social 6:00 PM
Seminar 6:30 PM

Place: Hofstra University
Breslin Hall, Room 103

Cost: Seminar is free and open to all.
Dinner: following the seminar at a nearby restaurant (\$25)

Please visit the LI-ACS webpage at http://www.newyorkacs.org/sub_island.php for details, updates, and directions.



HIGH SCHOOL TEACHERS TOPICAL GROUP

Sustainable Living

Speaker: Dr. Jocelyn Cohen

Energy Educator
New York State Energy Research
and Development Authority

Learn how to measure your energy use and make informed, energy-wise decisions. Engage in hands-on activities, and receive a teaching tool kit you can use with your class to explore sustainability practices in energy, water, transportation, food, and the consumption of goods. Following the workshop, you and your class can qualify for incentives and prizes based on your implementation of sustainable actions. Only 50 teaching tool kits will be available, and only the first 50 people registering by Friday, October 21, 2011, with Frank Winters will be guaranteed a kit. Registration can be done by phone (1-866-552-4683) or by e-mail (frankw@energy-workshops.org).

Date: Friday, November 18, 2011

Time: Social and Dinner — 5:45 PM

Place: M&G Pub (Murphy and Gonzales)
21 Waverly Place (at Green Street,
North-east corner)
New York, NY
No reservations required

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.

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

**Brainflammation: The Role of the Innate
Immune System in CNS Disorders**

Organizers: Robert Martone
Covance Biomarker Center
of Excellence

Sean Pintchovski, PhD
Lundbeck Research USA

Roland Staal, PhD
Lundbeck Research USA

Jennifer S. Henry, PhD
The New York Academy
of Sciences

Speakers: Hemmo A. Drexhage, PhD
Erasmus Medical Center

Ru-Rong Ji, PhD
Harvard University and
Brigham & Women's Hospital

Dave Morgan, PhD
University of South Florida

Carlos A. Pardo-Villamizar, MD
Johns Hopkins University
School of Medicine

V. Hugh Perry, DPhil
University of Southampton

Richard Ransohoff, MD
Lerner Research Institute

Jun Tan, MD, PhD
University of South Florida
College of Medicine

Annamaria Vezzani, PhD
Mario Negri Institute for
Pharmacological Research

This symposium gathers experts on

microglia and monocyte biology to discuss the role of inflammation in neurological diseases and disorders, insights into their biology, and possible therapeutic interventions.

Date: Tuesday, December 6, 2011

Time: 9:00 AM – 5:00 PM

Place: New York Academy of Sciences
7 World Trade Center
250 Greenwich Street – 40th Floor
New York, NY 10007

Cost: This event has reduced-rate registration for ACS and NYAS members, at \$25 or \$10 (for students and post-docs). Please use the Priority Code SPN1-ACS1. Non-members may attend for a fee of \$80 (corporate), \$60 (non-profit or academic) or \$40 (students and post-docs).

For more information and to register for the event, go to: www.nyas.org/brainflammation

To become a Member of the Academy, visit www.nyas.org/benefits



**WESTCHESTER CHEMICAL
SOCIETY**

**SPECIAL SEMINAR – Integration of
Organic Chemistry and Activism in
Human Rights**

Speaker: Professor Alexander Greer
Department of Chemistry
Brooklyn College

This talk will cover research conducted at Brooklyn College in the area of organic chemistry, to highlight advancements made in devices used for water disinfection, and as a photochemical surgical knife. Because chemists should promote responsibility to the profession, the second purpose of the talk is to describe how human rights and

(continued on page 14)



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WESTCHESTER CHEMICAL SOCIETY

(continued from page 13)

chemical education are intricately wound together. The 1970s was a high point of the human rights movement, even among scientists, but this activism has declined in recent years. Questions will be raised such as: Why do human rights matter in the context of chemical education? How are human rights defined? While thousands of undergraduate chemistry programs exist in the US, only a handful of programs, including Jeffrey Toney's at Kean University and ours at Brooklyn College, specifically involve human rights as a part of the training of chemistry majors. Among other things, I encourage student participation in organizations such as the Committee of Concerned Scientists (CCS), comprised of scientists, scholars, and physicians who protect and advance human rights, whose origins come from restrictions of mobility of scientists in the Soviet Union. The lecture will describe how incorporation of "specific" human rights problem solving may help diminish unchecked violations as a growing condition, which can advance to a larger scale end problem. That is, early intervention can serve to enhance security now, whereas instability and even war can be "viewed" as a later stage of human rights problems. Such specificity could fit chemists' research approach, which often favors specialization and reductionism rather than Systems Thinking.

Date: Wednesday, December 7, 2011

Times: Refreshments 5:30 PM

Lecture 6:00 PM

Place: Westchester Community College

Gateway Building Room 110

75 Grasslands Road

Valhalla, NY

Cost: Free and Open to the Public

For more information, contact Paul Dillon:

E-Mail paul.dillon@siemens.com

Phone 1 (914) 524-3313



EMPLOYMENT AND PROFESSIONAL RELATIONS COMMITTEE OF THE NEW YORK SECTION

To Human Resources Departments in Industry and Academia

The Employment and Professional Relations Committee maintains a roster of candi-

dates who are ACS members seeking a position in the New York metropolitan area. If you have job openings and would like qualified candidates to contact you, please send a brief job description and educational/experience background required to hessytaft@hotmail.com.

Candidates from our roster who meet the requirements you describe will be asked to contact you.



CONGRATULATIONS TO THE 2011 ACS FELLOWS OF THE NEW YORK SECTION!

The New York Section of ACS proudly announces that eight New York Section members were awarded the honor to become 2011ACS Fellows. They are:

Dr. Donald Clarke, Fordham University

Dr. Ronald D'Amelia, Hofstra University

Ms. Jean Delfiner, New York City Board of Education (retired)

Ms. Joan Laredo-Liddell, St. Barnabas High School (retired)

Ms. Nadia Marker, Academy for Enrichment & Advancement

Dr. Patricia Redden, St. Peters College

Dr. John Sharkey, Pace University, New York

Dr. Yorke Rhodes, New York University (retired)

A ceremony to recognize the 2011 ACS Fellow for their outstanding contributions to their professions and service to the American Chemical Society was held at the ACS National Meeting in Denver on August 29, 2011.

Congratulations again and wish all Fellows the best in their future endeavors.

Others

INSPIRE YOUR CHILDREN OR SHARE WITH THEIR SCIENCE TEACHERS

Video Series: What Made Me Become a Chemist

Check out Spellbound, a new ACS video series that tells the stories of eight chemists whose childhood curiosity about everyday

things helped them launch careers in laboratories, win Nobel Prizes and make other notable achievements. Videos can be downloaded from www.acs.org/Spellbound, www.youtube.com/ACSVideoTheater, iTunes, and on DVD by request from Michael Bernstein (m_bernstein@acs.org). The videos are suitable for classrooms and other audiences of scientists and non-scientists.



YOUNG PROFESSIONALS IN HEALTHCARE (YPH)

Dear Fellow ACS members!

Are you looking to meet and network with over 500+ young professionals in the life science/healthcare industry? If so, please become a member of YOUNG PROFESSIONALS IN HEALTHCARE (YPH) at www.yphprinceton.com.

At no cost, members will receive updates on upcoming

- Happy Hour/Networking events
- Career Panels and Fairs
- Charity Benefit Galas
- Guest Speaker Presentations

And MORE!

Call for Nominations

EDWARD J. MERRILL AWARD FOR OUTSTANDING HIGH SCHOOL CHEMISTRY TEACHER FOR 2011

Now is the time to begin thinking about nominations for the Edward J. Merrill Award, North Jersey Section, for Outstanding High School Chemistry Teacher for the year 2011.

Go to the web site, njacs.org under education and obtain your preliminary nomination form and guidelines. The full packet takes time to do a good job!

We all know an outstanding high school chemistry teacher. Perhaps one from your town, your son's or daughter's teacher or just one that you have heard about or worked with at some point. The award carries \$500 for the teacher, \$500 in supplies for the teacher's classroom and a plaque to display at home or in the classroom.

Any questions or help needed contact Bettyann Howson, chemphun@optonline.net.

2012 AWARD FOR CREATIVITY IN MOLECULAR DESIGN & SYNTHESIS

The ACS North Jersey Section seeks nominations for its 2012 Award for Creativity in Molecular Design & Synthesis. The award is sponsored by Bristol-Myers Squibb Co., Hoffmann-La Roche, Merck & Co., Novartis, and Rutgers University and is presented by the section biannually. The prize consists of a crystal plaque and a \$5,000 honorarium. The award recognizes initiative, creativity, leadership, and perseverance in pure and/or applied chemistry. Qualified candidates must be American chemists who are not younger than 40 years old prior to Jan. 1, 2012. Nominees must have had broad impact in the areas of chemical synthesis, method development, bioorganic/medicinal chemistry, pharmaceutical sciences, and/or molecular recognition.

Nominations should include a letter describing the nominee's achievements, a brief biography and curriculum vitae, and a list of the nominee's important published works. Successful nomination packets will include two to three recommendation letters supporting the candidate. Re-nominations are encouraged.

Please submit materials **by January 1, 2012**, to Akin Davulcu, Chemical Development Department, Bristol-Myers Squibb Co., 1 Squibb Drive, New Brunswick, NJ 08903.



2012 LI-ACS BOARD

Nominations are open for the following positions on the Board of the LI-ACS subsection for 2012:

Chair-Elect (Chair 2013)

Treasurer

Director-at-Large (2 positions)

Nominations will be accepted from October 15 - November 30, 2011 and the election will be held at the LI-ACS holiday party on December 8, 2011. Nominations may be sent to David Sarno, Chair of the Nominations Committee, at dsarno@qcc.cuny.edu. Please visit the LI-ACS webpage at http://www.newyorkacs.org/sub_island.php for more details.

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SEARCHING FOR THAT SPECIAL JOB?

There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net
- <http://newyorkacs.org/jobs.html>
- <http://njacs.org/jobs.html>

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