



Joan A. Laredo-Liddell
2007 Chair
ACS New York Section

RECYCLE THIS PAPER

PERIODICALS POSTAGE

www.theindicator.org
www.njacs.org www.newyorkacs.org

Your Partner For Analytical Support Services

Rapid Results • Quality • Accuracy • Competitive Pricing



Robertson Microlit Laboratories

- Elemental CHN S, X Analysis - same day service
- Atomic Emission Spectroscopy
- Atomic Absorption Spectroscopy
- FTIR Spectroscopy
- UV / VIS Spectrophotometry
- Mass Spectrometry
- Chromatography
- Bioavailability
- Polarimetry
- Calorimetry
- Titrimetry
- Wet Chemistry
- KF Aquametry

P. O. Box 927 • 29 Samson Avenue • Madison, NJ 07940
 Tel: (973) 966-6668 Fax: (973) 966-0136
 www.robertson-microlit.com
 email: results@robertson-microlit.com



Vacuum Inlet Traps

Because vacuum pumps don't grow on trees.



Oil Filtration Systems

Because a really old, really healthy vacuum pump is a beautiful thing.



Oil Mist Eliminators

Because no one wants to eat oily mist.

MV PRODUCTS
 247 Rangeway Road • PO Box 359 • North Billerica, MA 01862
 978 667 2393 Fax 978 671 0014 sales@massvac.com www.massvac.com

A Division of Mass-Vac, Inc.

THE INDICATOR

Manager / Editor
 MALCOLM STURCHIO
 1 Cable Court, Montville, NJ 07045
 973-331-5142; Fax 973-331-5143
 e-mail: sturchio@optonline.net

Advertising Manager

VINCENT GALE
 MBO Services, Inc.
 PO Box 1150, Marshfield, MA 02050-1150
 781-837-0424; Fax 781-837-1453
 e-mail: cust-svc@adelphia.net

INDICATOR COMMITTEE

New York Section Rep.

EVELYN SARNOFF
 97-37 63rd Road, Rego Park, NY 11374-1624
 718-459-3097

North Jersey Section Rep.

DIANE KRONE
 Northern Highlands Regional High School
 298 Hillside Avenue, Allendale, NJ 07401
 e-mail: kroned@optonline.net

Web Master

ED HARRIS — e-mail: harris7@optonline.net

NEW YORK SECTION

<http://newyorkacs.org>

Chair

JILL REHMANN
 Department of Chemistry, St. Joseph's College
 245 Clinton Avenue, Brooklyn, NY 11205
 718-636-6823
 e-mail: jrehmann@sjcnj.edu

Chair-Elect

JOAN A. LAREDO-LIDDELL
 391 Palmer Road, Yonkers, NY 10701-5239
 914-476-6860
 e-mail: jlaredoliddell@aol.com

Secretary

CHRISTIAN ROJAS
 Dept. of Chemistry, Barnard College
 3009 Broadway, New York, NY 10027
 212-854-5480
 e-mail: crojas@barnard.edu

Section Office

St. John's University, Chemistry Dept.
 8000 Utopia Parkway, Jamaica, NY 11439
 516-883-7510; Fax 516-883-4003
 e-mail: njesper1@optonline.net

NORTH JERSEY SECTION

<http://www.njacs.org>

Chair

STEPHEN WALLER
 Fairleigh Dickinson University, 285 Madison Ave.,
 M-581-01, Madison, NJ 07940
 973-443-8783
 e-mail: stephen_waller@fdi.edu

Chair-Elect

DIANE KRONE
 Northern Highlands Regional High School
 298 Hillside Avenue, Allendale, NJ 07401
 e-mail: kroned@optonline.net

Secretary

BETTANN HOWSON
 49 Hillside Avenue, Madison, NJ 07940-2612
 973-822-2575
 e-mail: chemphun@optonline.net

Section Office

4 Cameron Road, Piscataway, NJ 08854
 732-463-7271

THE Indicator

CIRCULATION: 8,500

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

CONTENTS

Advertisers Index	24
Call for Nominations	20
Education	6, 11
New York Chair's Message	5
New York Meetings	8-15
New York Section-Wide Conference	13
North Jersey Meetings	16-19
Others	20, 23
Professional/Product Directory	21-24
Web Master Needed	4

EDITORIAL DEADLINES

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



Visit Us
www.TheIndicator.org

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

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

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

December Calendar

NEW YORK SECTION

Friday, December 1, 2006

High School Teachers Topical Group
See page 8.

Friday, December 1, 2006

Hudson-Bergen Chemical Society
See page 9.

Monday, December 4, 2006

MetroWomen Chemists
See page 9, 16.

Tuesday, December 5, 2006

NY Biochemical Topical Group
See page 10.

Thursday, December 7, 2006

Chemical Marketing & Economics Group
See page 10.

Thursday, December 7, 2006

Long Island Subsection
See page ____.

Thursday, December 7, 2006

Westchester Chemical Society
See page 11.

NORTH JERSEY SECTION

Monday, December 4, 2006

MetroWomen Chemists
See page 16.

Friday, December 8, 2006

Teacher Affiliates Executive Committee
See page 16.

Tuesday, December 12, 2006

ChemTAG
See page 16.

**Deadline for items to
be included in
the February 2007
issue of *The Indicator*
is December 15, 2006.**

NEW YORK SECTION ACS — CHAIR'S MESSAGE

Greetings to all the members of the New York Section of ACS:

I am honored to represent you as your 2007 ACS-NY Chair. With the outstanding leadership of my predecessors, the New York Section is on an excellent course. I must also congratulate all our 'volunteers', who have kept our subsections, committees, and topical groups functioning at peak performance. Thank you for being hardworking and committed.

ACS 2006 President E. Ann Nalley has stressed volunteerism. Please look over the activities that are available. I am aware that time is a factor – but – I do ask that you become active in at least one area and support that group with your time and energy.

What does the New York Section have to offer? Subsections (Brooklyn, Hudson-Bergen, Long Island, Staten Island, Westchester and Rockland); Topical Discussion Groups (High School Teachers, Analytical, Biochemical, Chemical Marketing and Economics, Computers in Chemistry, Inorganic and Organometallic, MetroWomen Chemists of New York and North Jersey, Nanotechnology, Organic, Retired Chemists, and the Younger Chemists Club). The committees are Education (Chemical Education, Graduate Student Posters, Chemagination, High School Chemistry Olympiad, National Chemistry Week, Nichols High School Chemistry Teacher Award, Project Seed); Member Affairs (Awards, employment and Professional Relations, History of the New York Section, Membership, Outstanding Service Award); Public Affairs (Congressional Science Counselors, Environmental Chemistry, Academe & Industrial Relations, Fund Raising, Information Technology, Photography and Publicity, and Public Relations).

Please Join Us and Take Part in the Activities:

The Annual Meeting on January 20, 2007 is at St. John's University. Our speaker will be 2005 ACS President Dr. William F. Carroll, Jr. Come and talk to the Project Seed and Chemagination students, as they display their research and projects. The Section's Service Award and the Nichols High School Chemistry Teacher Award will be presented to two outstanding individuals. All topical groups and committees will be represented at the meeting. This is a wonderful time to introduce yourself. We need your input and suggestions!

The Nichols Symposium and Dinner is on March 16, 2007 at the Crowne Plaza Hotel in White Plains. Our Nichols Medalist is Professor Nicholas J. Turro of Columbia University.

Spring brings the Student Affiliate and Undergraduate Research Symposium. Experience the research achievements of our students.

In October, we celebrate National Chemistry Week. Did you see the wonderful turnout this year at the Hall of Science? Did you participate in your local section activities?

New ACS Activities:

ACS is trying to increase awareness between the chemist and the public by introducing the "Science Café". A program of general interest to be held at a local café, which encourages socializing and a more personal way to communicate while making the public feel comfortable with science.

ACS realizes the importance of the High School Chemistry teacher instilling in students a desire to pursue a science career. A partnership with the Division of Chemical Education includes membership in the division and the ability to receive appropriate articles from the Journal of Chemical Education.

ACS has developed a program for the formation of High School Chemistry Clubs. Inform your local high school chemistry teachers of these programs and to contact ACS at chemistry.org for more information.

2006 President Nalley encouraged everyone to join LAN (Legislative Action Network). Be knowledgeable about government affairs and the role ACS has played in major funding

(continued on page 6)

WEB MASTER NEEDED

Metropolitan area sections of the American Chemical Society maintain three web pages:
theindicator.org, njacs.org and newyorkacs.org

Please review these web sites and provide a synopsis of how you will provide maximum benefit to our members. In addition, please forward your resumes to:

sturchio@optonline.net, or

Mal Sturchio, 1 Cable Court, Montville, N.J. 07045.

For additional information, contact Mal
at 973-331-5142.

The position is a part-time endeavor.

CHAIR'S MESSAGE

(continued from page 5)

issues. (chemistry.org)

New York:

We have started a [Government Affairs Committee](#).

Please invite your local politicians to your meetings. Let them know that ACS is alive and eager to share information. Do the politicians and general public in your area know about the contributions of chemistry to their economic and social lifestyles?

Work to do:

Major challenge in the New York Section is in terms of changes in the local chemical related industries and how we can best serve those members involved.

The 2007-2009 Strategic Plan of ACS is to guide the organization in realizing its vision: "Improving People's Lives Through the Transforming Power of Chemistry". Be a part of the solution, share your ideas and suggestions and volunteer! WE NEED YOU!

Sincerely,

Joan Laredo-Liddell
2007 Chair-New York
1-914-476-6860
JLaredoLiddell@aol.com

THIS MONTH IN CHEMICAL HISTORY - PART I

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

The name Edwin E. Slosson is probably not one that many of my readers will recognize. But in his time Slosson was the leading popularizer of science in the United States, and in many books and hundreds of articles helped give science a positive image in the public mind. When I came across a copy of Slosson's "Creative Chemistry" in a local thrift shop I felt I had to learn more about its author. The biographical material that follows is drawn from the Master's Thesis of David J. Rhees which I found on the web-site of The National Museum of American History (The Smithsonian).

Slosson was born in Kansas in 1865, and after a European tour upon graduation from high school he enrolled at the University of Kansas where he earned a B.S. degree in 1890, and an M.S. in 1892. His studies were eclectic and included chemistry, physics, geology, and psychology. He was elected to both Phi Beta Kappa and Sigma Xi. He then took a post as Assistant Professor of Chemistry at the University of Wyoming. The pay was sufficient to allow him to marry May Preston, the first woman to earn a Ph. D. at Cornell University.


Slosson ran a one-person chemistry department at Wyoming for the next 13 years and spent his summers at the University of Chicago, working under the direction of Julius Stieglitz, a pioneer of physical organic chemistry. Slosson received his Ph.D. in 1902. During this period, doubtless in his copious free time, he began contributing articles to various journals, particularly the periodical "The Independent" edited by Hamilton Holt. Slosson was offered the position of Literary Editor of this journal, gave up chemistry, and turned to full-time writing. Over the next seventeen years he helped expand the subscription base of "The Independent" from a few thousand subscribers to over one hundred thousand. During this period Slosson himself wrote between 3000 and 6000 words a week for the periodical.

One of his most popular series of articles was on "Great American Universities" and this was collected and published as a book in 1919. It is said that Woodrow Wilson especially admired the chapter on Princeton which was very critical of that institution. A further series on aspects of chemistry was collected and published in 1919 as "Creative Chemistry." The copy I have was published by Garden City Publishing Co., Inc., New York and is dedicated to Slosson's first teacher [of chemistry?] Professor E. H. S. Bailey of the University of Kansas, and to his last teacher, Stieglitz. "Creative Chemistry" became a best-seller and during the following decade sold over 200,000 copies.

Slosson became Editor at Science Service in 1920. In that same year, after the results from Eddington's solar eclipse expedition testing Einstein's theory of relativity became known, he wrote one of the first popular treatments of the theory: "Easy Lessons in Einstein". Slosson's total output was prodigious. It included 18 books; and over 2000 signed articles of which over 400 were on science. He was the best known popularizer of science in the United States.

In 1929 Rollins College in Florida was about to appoint Slosson "Professor of Things in General" when, unexpectedly, he died.

Education



SETON HALL UNIVERSITY
1858

Department of Chemistry and Biochemistry
Spring 2007 - Graduate Courses
January 8 - May 3, 2007
Registration: January 4, 2007 3 pm - 5:45 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 6205 NA	Modern Separation Techniques	Thurs.	7:00 PM-10:00 PM
CHEM 6212 NA	Statistics & Applied Analytical Chem.	Tues.	7:00 PM-10:00 PM
CHEM 6303 NA	Synthetic Organic Chemistry	Wed.	6:00 PM-9:00 PM
CHEM 6401 NA	Thermodynamics	Mon.	6:00 PM- 9:00 PM

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.

New York Meetings

www.newyorkacs.org

HIGH SCHOOL TEACHERS TOPICAL GROUP

Have You Ever Wondered...?

Speaker: Dr. Joe Schwarcz
Director, McGill Office for
Science and Society
Department of Chemistry
MAASS Chemistry Building
McGill University
Montreal, Canada

Have You Ever Wondered ... Why for years and years there were no red M&M's, or how to get that maraschino cherry to float in the syrup inside a Cherry Blossom? Why does popcorn pop? Why are there holes in Swiss cheese? Have you every considered why there are no nuts or grapes in Grape Nuts Flakes or why witches supposedly use broomsticks as a method of transportation? Why did Van Gogh mangle his ear? Were Agatha Christie's accounts of dastardly poisoning based on real science? Can choco-

late really make you fall in love? etc.

Date: Friday, December 1, 2006
Time: Social and Dinner 5:45 PM
Place: Caffè Pane e Cioccolato
10 Waverly Place at Mercer Street
(south-west corner)
New York, NY
No reservations required
(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.

HUDSON-BERGEN CHEMICAL SOCIETY — JOINT MEETING WITH THE CHEMISTRY CLUB OF RAMAPO COLLEGE, SIGMA XI, AND THE SCIENTIFIC RESEARCH SOCIETY

Miracle Materials: The World of Plastics

Speaker: Dr Ariel Fenster
McGill University

Our life would be unimaginable without the modern synthetic materials that chemical research has produced. We sleep on polyester sheets, we walk on nylon carpeting, we wear acrylic clothes and we pay with "plastic" money. This presentation traces the development of these miracle products from the early wood derivatives to the materials used in the space program. Accounts of the discovery of rubber, the story of nylon are mingled with the description of super-absorbent materials and bullet-proof vests and are accompanied with numerous fascinating demonstrations.

Ariel Fenster teaches at McGill University, where he is a founding member of the Office for Science and Society, an organization dedicated to disseminating up-to-date information in the areas of food, food issues, medications, and the environment and health topics in general. Dr. Fenster is well known as an outstanding communicator and an exceptional promoter of science with an extensive program, developed over nearly three decades. Over that period he has given close to 600 lectures and public presentations in English and in French across North America and Overseas. He appears regularly on TV and radio to discuss health, environmental and technology issues and has presented numerous science segments for children's television. Recently he was seen in French on Radio-Canada's popular daily health show "37.5" and in English on the "Discovery" science show "What's that all about?" His contributions to teaching, and to the popularization of science, have been recognized by numerous awards. Among them: the "Award for Excellence in Chemistry Teaching" by the U.S. Chemical Manufacturers Association and the "McNeil Medal for the Public Awareness of Science" from the Royal Society of Canada (inaugural award). Ariel Fenster, who is a native of the wine-growing region of Bergerac, France, holds a Master's degree from the

University of Paris and a Ph.D. from McGill University.

Date: Friday December 1, 2006
Time: Social 5:30 PM
Dinner 6:00 PM
Seminar 7:00 PM
Place: Ramapo College of New Jersey
Room: Trustees Pavilion 1
Mahwah, NJ
Cost: \$20, \$10 for students,
no cost for seminar only

Please contact Ms. Sherrill Cox by e-mail at scsx@ramapo.edu by November 22, 2006.



METROWOMEN CHEMISTS — COLLEGE OF ST. ELIZABETH STUDENT AFFILIATES

Career Forum and Networking Meeting

Speaker: Valerie J. Kuck

Date: Monday, December 4, 2006

For further information, see under North Jersey Meetings, page 16.

The Hot New Laboratory Tool!

Chemistry
Labacus™

**Powerful
Pocket sized
Easy to use!**

**In the
Synthetic Lab**

- Reaction sketching
- Chemical calculations
- Reagent lookup
- Desktop integration

Abacalab

811 N Franklin St.
Wilmington, DE 19806
877-LAB-CALC (877-522-2252)
www.abacalab.com

Keeping laboratory information in hand

BRUKER

- Exact Mass LC-MS
- Exact Mass MS/MS
- Unique SigmaFit™ Isotopic Analysis at 18,000 (FWHM) Resolution

Unique power³ for discovery:
**3 Dimensions of Exact Mass—
the New microTOF-Q!**

LC-MS/MS Confidence

Put the highest specs available on the bench in your lab!

Whether it's for metabolomics, synthesis products, or proteomics.

Call today to schedule a demonstration.
978-663-3660 X1149

microTOF^Q

BRUKER DALTONICS

www.bdal.com
See our website for worldwide sales and service contacts.

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

**Multiple Targets for Alzheimer's
Disease: Gamma-Secretase and Tau**

Organizers: Donna Barten
Bristol-Myers Squibb
Barbara Petrack
Drew University, and
Barbara Tate
Pfizer GR&D

Speakers: Mark Shearman
Merck Research Laboratories
Thomas Lanz
Pfizer GR&D
Michael Wolfe
Brigham & Women's Hospital
David Holtzman
Washington University
Frank LaFerla
University of California, Irvine
Peter Davies
Albert Einstein College of
Medicine
Michael Hutton
Mayo Clinic Jacksonville
Leonard Petrucelli
Mayo Clinic Jacksonville

Date: Tuesday, December 5, 2006
Time: 9:00 AM - 5:30 PM
Place: New York Academy of Sciences
7 World Trade Center
250 Greenwich Street - 40th Floor
New York, NY

Space is limited. Reserve a seat on-line at
<http://www.nyas.org/events>

NYAS Members and BPDG Affiliates may
attend BPDG meetings free of charge. Non-
members may attend for a fee of \$20 per
event; Student Non-members for \$10. To
become a Member of the Academy, visit
<http://www.nyas.org/landing.html>

BOOST OUR RATINGS

When you tell our advertisers that you saw
their ads here they have more confidence in
our newsletter's viability as an advertising
medium. They advertise more. This sup-
ports our many activities.

**CHEMICAL MARKETING &
ECONOMICS (CM&E) GROUP**

Chemicals from Coal

Speaker: Mike Kratochwill
Vice President
Finance & Strategy
or
Ed Glatzer
Principal
Nexant Chem Systems
White Plains, NY

Date: Thursday, December 7, 2006

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

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

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

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

SPECIAL EVENT:

**Alternative Energy Conference: Beyond
\$50 Petroleum**

A full-day conference with informative tutori-
als, case histories, exhibits, and a technical
panel discussion. Sponsored by the Metro
New York Section of the American Institute
of Chemical Engineers, the CM&E, and the
New York Academy of Sciences.

Date: Thursday, November 30, 2006

Times: 9:00 AM - 5:00 PM

Place: New York Academy of Science HQ
7 World Trade Center
250 Greenwich Street (40th Floor)
New York, NY

Costs: \$100 for members; \$125 others.

Details at:

www.nyas.org/alternativeenergy.

LONG ISLAND SUBSECTION

Holiday Dinner and Meeting

Announcement

Chemistry and Art

Speaker: Dr. Sasan Karimi
Department of Chemistry
Queensborough Community
College-CUNY

Through the science of building molecules,
numerous products employed in the arts
such as paints and pigments, solvents and
media, synthetic fibers and dyes, and pho-
tographic materials have been synthesized
and characterized. The efforts of conserva-
tion scientists to restore works of art have
been most productive over the years. Some
aspects of material composition of paintings
using x-ray fluorescence, the use of infrared
reflectography, and x-radiography to exam-
ine underdrawings will be discussed.

Date: Thursday, December 7, 2006

Place: Nassau Community College
College Center Building
Room 252

Times: Coffee 5:30 PM
Seminar 6:00 PM
Dinner 7:00 PM
(served buffet style following
seminar)

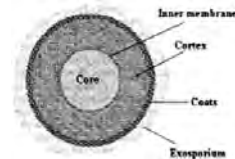
Map of NCC campus showing location of
talk and dinner: <http://facpub.stjohns.edu/~rossor/NCCmap.jpg>

**WESTCHESTER CHEMICAL
SOCIETY**

**Bacillus Spores As Natural Ionic
Nanoreservoirs: A Physico-chemical
Approach**

Speaker: Sergey Kazakov
Assistant Professor
Pace University
Pleasantville, NY

Spores are the most environmentally resist-
ant organisms known in nature. The para-
doxical feature of dormant spores is that,
being insensitive to environmental insults
and metabolically inactive, they permanent-
ly monitor the external environment perma-
nently in order to trigger germination in the



presence of a specific nutrient, i.e., the
"spore life" is a balance between stabiliza-
tion factors and germination effectors, and
this balance is not static – spores reveal
changes in physico-chemical properties
with time. In this work, the concept of

(continued on page 12)

Education

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS Graduate Chemistry Courses, Spring 2007
NEWARK Classes held on the Newark Campus of Rutgers.

519 *Imaging Methods for Chemistry and Biochemistry*
(Special Topics in Physical Chemistry)
Dr. Huixin He & Richard Mendelsohn
Mon 6:00–8:50 pm, 240 Smith Hall

517 *Photochemistry*
Dr. Elena Galoppini
Tue 6:00–8:50 pm, 240 Smith Hall

584 *Enzyme Kinetics and Mechanism*
Dr. Frank Jordan
Wed 6:00–8:50 pm, 240 Smith Hall

577 *Main-Group Metal Chemistry*
Dr. Frieder Jaekle
Thur 6:00–8:50 pm, 240 Smith Hall

To learn about non-degree,
or full-time and part-time
graduate programs, go to
<http://chemistry.rutgers.edu>,
or call the graduate secretary
at 973-353-5173,
or send email to
gradchem@newark.rutgers.edu

The Spring 2007 term begins
on Tuesday, January 16.

WESTCHESTER CHEMICAL SOCIETY

(continued from page 11)

"dynamic spore" is tested for the spore pre-germination states which key feature is reversibility of changes. The kinetics of proton exchange between spores and surroundings was examined by the time-resolved measurements of pH equilibration in spores' suspensions under different conditions effecting on spore germination (activation temperature and nutrients). To characterize the dynamic states of spores, they were considered as natural ionic reservoirs with the ability to accumulate and release ions in response to environmental conditions. A Scatchard-like approach to equilibrium binding of protons to ionizable groups within spores was developed to show that each spore behaves like almost an infinite reservoir capable of accumulating billions of protons. Kinetics of proton consumption by spores was a multi-step process reflecting their multilayered structure. The results are of great potential for understanding the phenomenological and molecular mechanisms of germination and sporulation of the *Bacillus* bacteria and for the development of new methods of spore detection and identification.

Dr. Kazakov earned his Ph.D. at the Moscow State University (Russia). In 1998, he was awarded Doctor of Sciences degree by The Russian Higher Attestation Committee. Since September 2003 Dr. Kazakov has been teaching physical chemistry at Pace

University. Before this appointment he has got the relevant post-doctoral experience working as a research scientist and adjunct professor at the Department of Chemical Engineering, Chemistry, and Materials Science of Polytechnic University (2000-2003, Brooklyn, NY) and as a visiting scientist at the Department of Biotechnology of Lund University (1998-2000, Sweden). His current research activity concentrates on hydrogel/lipid bilayer assemblies mimicking cell membrane structures. Dr. Kazakov published more than 80 original papers in peer-reviewed international journals. Recently, his chapter "Phase transitions in smart polymer solutions and light scattering in biotechnology and bioprocessing" has been accepted for publication in the book: *SMART POLYMERS: Production, study and application in biotechnology and biomedicine* (2007). The review "Liposome-nanogel structures for future pharmaceutical applications" is now in press in *Cur. Pharm. Design*, 12, 2006.

Date: Thursday, December 7, 2006
Times: Registration - Social Hour 5:30 PM
Presentation 6:15 PM
Place: Pace University
861 Bedford Road
Pleasantville, NY
Cost: This seminar is offered free of charge.

Directions: http://appserv.pace.edu/execute/page.cfm?doc_id=16153

Contact Dr. Karen Caldwell [kcaldwell@pace.edu] for more information.

We Focus on Doing Chemistry!

- FDA Inspected
- cGMP Synthesis
- Controlled Substances
- Custom Synthesis
- Small Lots Manufacturing
- Polymer Chemistry
- Process Development

Chemo Dynamics, LP

Contact: Phil Johnson
3 Crossman Road South
Sayreville, NJ 08872
Phone: (732)721-4700
Fax: (731)721-6835
www.chemodynamics.com
E-Mail: info@chemodynamics.com

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

Date: Saturday, January 20, 2007
Times: 9:30 AM – 1:00 PM
Place: St. John's University, Council Hall, 8000 Utopia Parkway, Jamaica, NY
Cost: Free to all

PROGRAM

- 9:30 AM **Arrival and Refreshments - Welcome to the ACS, New York Section's 2007 Section-wide Conference and to St. John's University.**
- 10:00 AM **Greetings from the 2007 Chair of the ACS New York Section** Joan A. Laredo-Liddell
- 10:10 AM **Award Presentations.**
Service Plaque and Pin to the 2006 NY Section Chair Jill K. Rehmann
New York Section Outstanding Service Award for 2006 Frank R. Romano
Nichols Foundation H.S. Chemistry Teacher Award
for 2006 Sara Henry McCoy
Salutes to Excellence Awards Hall of Science, David Sherman
Vijaya L. Korlipara, Richard D. Cassetta
- 10:30 AM **Report of the 2007 Elections Nominating Committee.** Marc A. Walters,
(Presentation of Candidates) 2007 Chair-elect
- 10:45 AM **Keynote Presentation.** Dr. William F. Carroll, Jr.
ACS, Immediate Past President
- 11:45 AM Coffee Break. Poster Presentations by New York Section
Project Seed and Chemagination Students
- 12:00 PM **ACS, New York Section Committee Planning Sessions for 2007.**
Educational Activities (Chemagination, Chemical Education, Continuing Education, Graduate Student Posters, High School Olympiad, National Chemistry Week, Nichols Foundation Teacher Award, Project Seed, Student Affiliate)
Chair: Sr. Mary L. Maier
Member Affairs Awards, Employment and Professional Relations, NYACS History, Indicator, Membership, Minority Affairs, Outstanding Service Award
Chair: Ralph Stephani
Program Review (Subsection and Topical Discussion Group Chairs)
Chair: Anne T. O'Brien
Public Affairs (Academe and Industrial Relations, Community Relations and Publicity, Congressional Science Counselors, Environmental Chemistry, Fund Raising, Information Technology, Speakers Bureau)
Chair: Robert P. Nolan
- 12:45 PM **Reports from the Chairs of the Committee Planning Sessions.**
- 1:00 PM **Conclusion of the Meeting.**
Join with colleagues for lunch at a local restaurant.

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

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

NOMINATING COMMITTEE

The New York Section Nominating Committee will meet in December to select candidates for the 2007 elections.

Positions available are:

Chair-elect for 2008

Treasurer for 2008-2009

Directors-at-Large for 2008

Councilors and Alternate Councilors for 2008 – 2010

If a member of the ACS New York Section wishes to recommend a member for consideration by the Nominating Committee, please do so in writing by **December 2, 2006** to the American Chemical Society, New York Section, St. John's University, Department of Chemistry, 8000 Utopia Parkway, Jamaica, NY 11439. Your recommendation may also be e-mailed to njesper1@optonline.net.

HUDSON-BERGEN CHEMICAL SOCIETY



Dr. John B. Sheridan, Rutgers, Newark (l) and Dr. Kenneth Yamaguchi, Chair of Chemistry at New Jersey City University (r). Dr. Sheridan delivered the address, "Hydrosilyation and Hydrostannation of Alkynes" at a recent Hudson-Bergen Chemical Society meeting.

SCENES FROM SAN FRANCISCO NATIONAL MEETING



New York was nominated in three categories. Accepting the Very Large Section Award is Joan Laredo-Liddell. Will Lynch, Chair of LSAC (l) and 2006 President E. Ann Nalley (r).

Below, New York members celebrate winning the Very Large Section Award at the ChemLuminary Presentations in San Francisco. (L to R): Ron Tedesco, Marilyn Jespersen, Neil Jespersen, Hiroko Karan, Joan Laredo-Liddell, Don Clarke, Anne O'Brien, Richard Cassetta, Frank Romano.



New York Poster for 2005 (Chair, Dr. James Canary) at the ChemLuminary (L to R): Marilyn Jespersen, Hiroko Karan, Anne O'Brien, Ron D'Amelia, Dick Casseta, Neil Jespersen, Yorke Rhodes, Joan Laredo-Liddell, Don Clarke.



DESERT ANALYTICS
TRANSWEST GEOCHEM

DESERT ANALYTICS WAS FOUNDED IN 1980 TO SERVE SCIENTISTS IN UNIVERSITIES, BUSINESS AND GOVERNMENT IN THEIR MICROANALYTICAL NEEDS.

✚ **Metals by AA/ICP** ✚ **Trace Analysis**
✚ **Coal / Petroleum** ✚ **Halogens** ✚ **CHNOSP**
✚ **Ion Chromatography**

SERVING THE FIELDS OF:
ACADEMIC RESEARCH ENERGY
PHARMACEUTICS MINING
ELECTRONICS ENGINEERING

DESERT ANALYTICS
245 S. PULMER, #24
TULSON, AZ 85719
520.623.3381
THELAB@DESERTANALYTICS.COM

OUR STAFF INCLUDES Ph.D. CHEMISTS AND HIGHLY TRAINED AND EXPERIENCED MICROANALYSTS WHO ARE COMMITTED TO ACCURACY AND RELIABILITY OF RESULTS.

WWW.DESERTANALYTICS.COM
ANALYSIS FOR THE CHEMICAL ELEMENTS

North Jersey Meetings

<http://www.njacs.org>

NORTH JERSEY EXECUTIVE COMMITTEE MEETING

There will be no December, 2006 NoJersey Executive Committee Meeting.



IN MEMORIAM

Mr. Richard Bukowski
38 Years Service

Dr. Michael Thomson
39 Years Service



METROWOMEN CHEMISTS — COLLEGE OF ST. ELIZABETH STUDENT AFFILIATES

Career Forum and Networking Meeting

Speaker: Valerie J. Kuck

The student affiliates of the College of St. Elizabeth and the Metrowomen Chemists are sponsoring a networking meeting for students and working chemists. Valerie Kuck, an experienced ACS Career Councilor, will speak on techniques for writing effective resumes. The talk will be followed by a networking supper in the College Cafeteria. Dinner is on your own, but we would appreciate having an estimate of the number attending. Please contact Maureen Chan by email, mgchan@verizon.net, or phone, 908-306-1006. Directions to the college are on the web at <http://www.cse.edu>.

Be prepared to share your favorite career advice or to ask questions.

Date: Monday, December 4, 2006
Time: 5:00 to 8:00 PM
Place: Saint Joseph's Hall
College of Saint Elizabeth
Morristown, NJ



TEACHER AFFILIATES

Executive Committee Meeting

Date: Friday, December 8, 2006
Time: 4:30 PM
Place: The Krone's Residence

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



ChemTAG MEETING

Date: Tuesday, December 12, 2006
Time: 4:00 PM
Place: Oak Knoll School of the Holy Child
44 Blackburn Road
Summit, NJ

Contact: Irene Sawschyn at isawchyn@aol.com or 908-522-8100



SCENES FROM PROJECT SEED POSTER SESSION, SEPTEMBER 2006



Allene Johnson with Zareen Mobin and Sara Yllescas and their project "Growth of Staphylococcus"



Bettyann Howson discussing Tachyanna Thompson's Tuberculosis Study.



Jim Grow with Richard Medrino's study of Boron Carbide



Ron Surani and Samuel Alexander's study of "How to Create a Nanoshell"



DuPont Analytical Solutions

From rapid, routine testing to complex problem-solving. One of the world's largest, and most diverse analytical laboratories, with the experience to solve your analytical challenges in :


Electronic Materials • Personal Care • Catalysis • Coatings, Pigments, and Adhesives
Specialty Chemicals • Films and Packaging • Pharmaceuticals • Plastics • Fibers • Textiles

DuPont Analytical Solutions
P.O. Box 80302
Wilmington, DE 19880-0302
Phone: (302) 695-1018

e-mail: DASolutions@usa.dupont.com
web: <http://analyticalsolutions.dupont.com>
FAX: (302) 695-1717

Contact us for all your analytical needs.





Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION
MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA, TEM/SAED, EPA/WDXA, XRD, XRF, ESCA, AUGER, FTIR, DSC/TGA

3815 Lancaster Pike Wilmington DE, 19805 Voice 302-998-1184, Fax 302-998-1836
E-Mail micronanalytical@compuserve.com Web Page: www.micronanalytical.com

SCENES FROM ACS SAN FRANCISCO NATIONAL MEETING



Jeannette Brown and Stan Hall were awarded plaques for 25 year service on the ACS Council at the San Francisco National Meeting.

Jackie Erickson displays the No. Jersey Poster at the San Francisco National Meeting.



iQsynthesis
Custom Synthesis Services

Custom Synthesis Services
 iQsynthesis, formerly Gateway Chemical Technology, provides customized chemical synthesis at milligram to kilogram quantities.

- Active Pharmaceutical Ingredients
- Analytical Reference Standards
- Precursors and Intermediates
- Degradants and Metabolites
- Agrochemicals
- Bio-organic Molecules
- Chiral Synthesis
- Combinational Platforms
- Process Development

iQsynthesis
 11810 Borman Drive
 St. Louis, MO 63146
 314-991-1857
 1-800-506-9192
www.iqsynthesis.com
info@iqsynthesis.com

INNOVATION | QUALITY

No Chromophore? No Problem.

SEDERE

Universal HPLC Detection

888-452-4253

WWW.SEDERE.COM

SAMUEL DANISHEFSKY WINS INAUGURAL CREATIVITY AWARD

"We stand on the threshold of a new beginning if you will, as we celebrate the accomplishments of one of the true giants in the field of chemistry, medicine, and science in general," noted Dr. Michael M. Miller of Bristol-Myers Squibb Co. (Chair of the Organic Topical Group of the North Jersey Section of the American Chemical Society). This past September 20th Dr. Miller, his team of co-organizers, and Dr. Catherine T. Hunt of Rohm and Haas Co. (President-elect of the National ACS) were joined by over 250 participants to help honor a lifetime of achievements from one of the leaders in the field of organic chemistry, Professor Samuel J. Danishefsky. Professor Danishefsky, a chemistry professor at Memorial Sloan-Kettering Cancer Center and Columbia University, was selected as the Inaugural 2006 Award recipient of "The Award for Creativity in Molecular Design and Synthesis."



Award Presentation: Dr. Hunt, Professor Danishefsky, and Dr. Miller.

The purpose of the Award is to celebrate the scientific, technical, and industrial impact of senior members of the American Chemical Society and their mentorship of younger members. The Award is given in recognition of accomplishment in pure or applied chemistry, as characterized by the initiative, creativity, leadership, and perseverance of the individual as indicated by published or unpublished evidence. "Accomplishment" for the purpose of this Award is understood to be that of a world renowned leader of unusual merit, with an emphasis on an individual who has demonstrated broad scoping impact in the areas of chemical synthesis, method development, bio-organic/medicinal chemistry, pharmaceutical sciences, and/or molecular recognition.

Unlike the various other Awards which are bestowed upon members each year by singular organizations, "The Award for Creativity in Molecular Design and Synthesis" is unique in that it has been established by the North Jersey Section of the ACS and a combined consortium of organizations from the pharmaceutical sector and academic arena. The founding sponsors of this Award include: Bristol-Myers Squibb, Hoffmann-La Roche, Merck, Novartis, Schering-Plough, and Rutgers University.

Throughout the afternoon of the Award Symposium, attendees enjoyed five excellent talks from a series of former Danishefsky alumni which spanned the gamut from natural product synthesis and chemical methodology to the impact of chemical biology and focused drug discovery programs. Selected speakers included: Professor Erik Sorensen (Princeton University), Professor Dalibor Sames (Columbia University), Professor Matthew Shair (Harvard University), Dr. David Myles (Epiphany Biosciences), and Dr. Roger Ruggeri (Pfizer). Danishefsky's breath of impact was not only highlighted through the oral presentations, but was further displayed by a poster session in his honor. Each poster was contributed by a member of the Danishefsky academic family – whether this be an academic child, grand child, or in some cases a great grand child. After a banquet dinner, Dr. Miller and Dr. Hunt presented "The Award for Creativity in Molecular Design and Synthesis," which consisted of a crystal plaque and a cash prize, to Professor Samuel Danishefsky. The evening was concluded by a final lecture on provocative problems in total synthesis by Professor Danishefsky where he described no less than seven landmark synthetic endeavors that spanned his career.

When Professor Danishefsky was asked about the Award, he admitted that he "was truly delighted to be the inaugural recipient of the Award for Creativity in Molecular Design & Synthesis," and added, "Sarah and I ... shall cherish it [the Award ceremony] for the rest of our days."



Professor Danishefsky with Organizing Committee and Speakers.

Call For Nominations

2007 BAEKELAND AWARD

<http://www.njacs.org/baekeland.html>

The North Jersey Section of the American Chemical Society is soliciting nominations for the 2007 Leo Hendrik Baekeland Award. The award is sponsored by Union Carbide Corporation and consists of a gold medal and a \$5,000 honorarium. The Section presents the award biannually to

commemorate the technical and industrial achievements of Leo Hendrik Baekeland and to encourage younger chemists to emulate his example. The Award is given in recognition of accomplishments in pure or applied chemistry to an American chemist as characterized by the initiative, creativeness, leadership, and perseverance of the individual (indicated by published or unpublished evidence) and who will be under the age of 40 as of Jan. 1, 2007.

Nominations for the Award should include a letter describing the nominee's achievements, a brief biography, and a list of the nominee's more important publications. Recommendation letters supporting the nomination are encouraged. Re-nominations are also encouraged, provided the age requirement is still met.

Please submit materials by Dec. 31, 2006, to: Ambarish K. Singh, Baekeland Award Committee, Bristol-Myers Squibb Company, Bldg. 19, Room 326, 311 Pennington-Rocky Hill Road, Pennington, NJ 08543.



2007 LIFETIME ACHIEVEMENT AWARD OF THE NoJ SECTION

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

Please submit nominations and supporting letters to Jiwen Chen, Awards Committee Chair, c/o NJ ACS, 4 Cameron Road, Piscataway, NJ 08854. Tel: 609-818-6319, email: jiwen.chen@yahoo.com. (Electronic submission of the nomination package welcomed) Nominations must be received by Feb 15, 2007. Visit <http://www.njacs.org/wards.html> for more information and a list of past recipients.

Others

ANALYTICAL TOPICAL GROUP

Analytical Chemistry in Criminalistics (Forensic Science)

Speaker: Prof. Thomas A. Kubic
John Jay College of Criminal Justice and CUNY Doctoral Program in Chemistry

The media have described the recent intense interest in forensic science as the CSI effect. Television and notorious cases especially those that involve celebrities such as O.J. Simpson and Robert Blake have swelled the numbers of young people desiring to enter this allegedly glamorous field of an applied science. What all this hype fails to mention is that the practice of criminalistics requires a solid undergraduate or graduate education in analytical chemistry. This seminar will describe the applications of various analytical chemical methods and techniques to the analysis of non-biological physical "transfer" evidence in the solution and prosecution of crime. Many of these approaches are just as valuable in civil actions. The importance of forensic experience in the interpretation of the data obtained will be discussed.

Date: Monday, November 20, 2006
Time: 6:00 PM

Place: The Graduate Center of the City University of New York
365 Fifth Avenue, New York, NY

The room number will be posted in the Lobby.

ROCKEFELLER UNIVERSITY

Precollege Science Education Program for K-12 Teachers and High School Students (Science Outreach)

Teachers: This professional development program exceeds National Science Education Standards by offering mentored lab research internships for K-12 science teachers from public, private and parochial schools in Greater New York City and across the nation. Designed as a 2-year program, 5 - 6 new positions become available each year. Teacher stipends are \$5,000/summer with an additional \$1,000 travel expenses where applicable. Returning teachers craft Action Plans with the help of Outreach staff that they present at Teacher Breakfast Seminars. Action Plans are awarded up to \$2,000 for supplies that help teachers translate their research experiences into inquiry-based learning for their students.

(continue on page 23)

Professional/Product Directory

NMR SERVICE & ANALYSIS

1H, 19F, 15N-31P FDA, DEA REGISTERED

INEXPENSIVE RELIABLE GLP COMPLIANCE 24-48 hr turnaround

NUMARE SPECTRALAB INC

3551 Winding Road, Kinnersville PA, 18930-9543

Phone: 610-346-8660

www.eclipse.net/~numare/

email: numare@eclipse.net

Polymer Problems?

Complete Polymer Deformulation
Good vs. Bad Comparison
Expert Witness

Testing Services

DSC, TGA, IR, UV-Vis, GC, HPLC, NMR, Light Scattering, GPC/SEC, MW, MWD, Viscometry, Mass Spec.

RUSH SERVICE!

(508) 966-1301

jordiflp@aol.com

Associates, FLP



SCHWARZKOPF Microanalytical Laboratory

Elemental & Trace Analysis

Organics, Inorganics

Organometallics

Metals by AA & Graphic Furnace

Functional Grps. - Mol. Wt.

Calorimetry

Total S. F. Halogens TOX

Coneq Testing Custom Analysis

56-19 37th Ave. Woodside, N.Y. 11377

(718) 429-6248

Schwarzkopfmicro@aol.com

MATERIAL CHARACTERIZATION LABORATORY

A Unique Combination of State-of-the-Art Analytical Instrumentation & Expertise

GC/MS • HPLC • LC/MS • FTIR • TOC • AA
ICP-MS • XRD • XRF • AFM • SEM • TEM

York Center for Environmental Engineering & Science
www.ycees.njit.edu/labs

138 Warren Street
Newark, NJ 07102

Tel: (973) 596-5858

Fax: (973) 642-7170



Chemical Analysis Services

- Materials ID / Deformulation
- Competitive Product Analysis
- Defects/Failure Analysis
- Polymer Analysis & Testing

ISO 9001
Certified



CHEMIR

Analytical Services

(800) 659-7659 chemir.com

Atlantic Analytical Laboratory

The Global Gas Testing Experts

...with expertise in GC, GC-MS, MS and FTIR
...and 2 generations (41 years) of seamless leadership in:

- Gas Purity Certification and Impurity Identification
- Beverage grade Carbon Dioxide (CO₂) testing
- Pharmaceutical, biotechnology and medical grade testing - USP/NF
- Product/packaging headspace testing
- RGA of Semiconductor IC's via Mill-Spec - to 1µL total sample size
- Fuel gases, hydrogen, oils, lubricants
- Air quality, landfill and stack gases

Getting the right sample, and testing it in a timely manner, is everything!

For further information, please contact us at telephone (908) 534-5600

or email at info@AtlanticAnalytical.com

Conveniently located in Central New Jersey!

Professional/Product Directory

Case Consulting Laboratories, Inc.
Chemistry - Materials
 • GLP Compliant Analysis • R & D
 • Testing & Evaluation • Claims Validation
 622 Route Ten
 Whippany, NJ 07981
 973-428-9666
 www.case-labs.com info@case-labs.com

CHIRAL SEPARATIONS
 LC and GC Columns
 Methods Development
 Processing
 Advanced Separation Technologies Inc.
 37 Leslie Ct, PO Box 297, Whippany, NJ 07981
 973.428.9080 Fax 973.428.0152

GALBRAITH *55 years*
 LABORATORIES, INC.
 - Elemental Analysis - Method Development
 - Organics Analysis - Method Validation
 - Trace Analysis - USP, JP, BP, EP Testing
 - Physical Testing - GLP/GMP
 1.877.449.8797 | www.galbraith.com

Elemental Analysis
HUFFMAN
LABORATORIES, INC.
 Quality Analytical Services Since 1936
CHNOS ash Phone: (303) 278-4455
ICP • AA • ICP/MS FAX: (303) 278-7012
TOC • TOX • BTU chemistry@huffmanlabs.com
Problem Solving www.huffmanlabs.com

ISSI Laboratories, Inc.
 Voice: (732) 246-3930; Fax: (732) 247-4977
 Email: <issi@pipeline.com>
 Chromatography (HPLC, TLC, GC);
 GC-MS and LC-MS; Isolation, Purification
 And Identification of Unknown Substances;
 Stability-Indicating Tests. GLP-Compliant.

NMR ANALYSIS
 270 - 360 - 400 MHz • 1D/2D
 Liquids/Solids • GLP/GMP Compliance
SPECTRAL DATA SERVICES, INC.
 818 Pioneer • Champaign, IL 61820
 (217) 352-7084 • FAX (217) 352-9748
 http://www.sdsnmr.com sdsnmr@sdsnmr.com

NMR Service 500MHz
***Mass**
***Elemental Analysis**
NuMega Resonance Labs
 Tel: (858) 793-6057

Poly(Chem-Tech)
 Consulting In the Material, Consumer Product and
 Healthcare Sectors. Specializing in New Technology,
 Dental Products and Polymer Applications
 Daniel Kruh, Ph.D. 8 Braddock
 President East Brunswick NJ 08816
 Voice/Fax: 732-238-3182 Email: DanKruh@aol.com

VACUUM PUMP PROBLEMS?
 Eastern Scientific specializes in the
 repair and precision rebuilding of all
 makes of mechanical vacuum pumps.
 Eastern Scientific
 easternsci@aol.com 781-826-3456

Fast and Accurate Chemical Analysis
 LC/MS/MS, GC, GC/MS, HPLC, CE, dissolution, Chiral separations,
 post column derivatizations, semi-prep purification, polymer analysis,
 impurity profiling, flavor/fragrance analysis, formulation development.
 PRIMERA ANALYTICAL Princeton, NJ 08540
 Fon: 609-921-7715 Fax: 609-921-7716
 E: info@primera-corp.com W: www.primera-corp.com

Professional/Product Directory

Cargille **LAB-PRO** Corporation
 Specialists in Tableting & Solids Processing
For XRF - X-ray Fluorescence
Copolywax E4
 New superior Grinding Aid - Pellet Binder
 Available as Powder and 4 Tablet Weights
 For Data Sheet, R&D History, Prices
CargilleTabPro@att.net
 4 E. Frederick Place, Cedar Knolls, NJ 07927
 Phone: 973-267-8888 Fax: 973-267-7998

PROTECT
 Your Expensive Lab Work With Research
 and Development Record Books
STOCK RECORD BOOKS
B500 --- Fifty pages and fifty duplicates
 1/4 inch sqs. on right pages
B100P --- 100 - 1/4 inch sqs. on right pages
 100 - 10 sqs. per inch on left pages.
B200P --- 208 1/4 inch sqs. on right and left pages
B200PH - 208 horizontally lined right and left pages.
 Books have instruction and TOC's. Page size 11 x 8 1/2.
 Hard extension brown cloth covers. Pages open flat.
 \$15.00 EACH, FOB Chicago
CUSTOM MADE BOOKS TO ORDER
 Scientific Bindery Productions
 2812-15 W. Nelson, Chicago, IL 60618
 Phone: 773-267-1129 Fax: 773-267-1218

WANT MORE ARTICLES
 When you tell our advertisers that you saw
 their ads here they have more confidence in
 our newsletter's viability as an advertising
 medium. They advertise more. This sup-
 ports our many activities.

Custom Synthesis Needs? Why Not Try US!
 Good quality, fast delivery service, amazing price,
 satisfaction guarantee. Any synthetic needs contact
 or visit us. Syntask Laboratories Inc.
 7 Deer Park Dr. Ste M5, Monmouth Junction, NJ 08852
 Ph: 732-355-9988, cell: 848-459-6243
 Fax: 732-355-9980 www.syntasklabs.com
 Email: syntasklab@verizon.net

ROCKEFELLER UNIVERSITY
 (continued from page 20)

Students: High school interns, who must be at
 least 16, can begin during the school year.
 Most student internships are unpaid but some
 stipends are available.

Both: Free and non-residential (out-of-state
 teachers are aided in finding housing.) The
 formal program extends 7 weeks from July to mid-
 August. Our Scientific Reading And Writing
 Course (STRAW) teaches the specialized
 communication skills essential for understand-
 ing one's research. All write a Research Re-
 port and present a Poster to Rockefeller sci-
 entists, family and friends. Our Monday Afternoon
 Seminar Series, Topics in Biomedicine, intro-
 duces participants to the range of research
 beyond their Host Labs. Applications and
 STRAW can be downloaded from the website.

Content: Research in Neuroscience, Medical
 Sciences, Human Genetics, Immunology, Micro-
 biology, Biochemistry, Structural Biology,
 Chemistry, Physics, Mathematics, Computer
 Sciences, Molecular, Cell & Developmental
 Biology.

Deadline: February 1st for teachers. Rolling
 admissions for students (no deadline but posi-
 tions fill up fast). Contact: Dr. Bonnie Kaiser,
 Rockefeller University, 1230 York Avenue - Box
 53, New York, NY 10021. Tel: (212) 327-7431,

Fax: (212) 327-7519,
 Email: bonnie@mail.rockefeller.edu,
 URL: http://www.rockefeller.edu/outreach/



**NJIT DEPT. OF CHEMISTRY &
 ENVIRONMENTAL SCIENCE**

Seminar Series - Fall 2006

December 6, 2006
 "Seeing is Believing: Application of Imaging
 Mass Spectrometry for Drug Discovery"
 Dr. Jiwen Chen
 Sr. Research Investigator II
 Clinical Discovery Technologies
 Bristol-Myers Squibb Co., Princeton, NJ

December 12, 2006
 "Computational Chemistry Analysis of Semi-
 conductor Substitution in Zeolite Catalysts"
 Dr. Preeti Kamakoti
 ExxonMobil Research and Engineering
 Annandale, New Jersey

Times: 11:30 AM - 1:00 PM
 Place: Tiernan Hall, Room 373

Seminar Coordinators:
 Dr. Zeyuan Qiu 973-596-5257
 zeyuan.qiu@njit.edu
 Dr. Sergiu Gorun 973-596-6595
 sergiu.m.gorun@njit.edu

Career Opportunity



Farmingdale State's Chemistry Department invites applications

for two tenure track positions at the rank of assistant professor with anticipated starting dates of September 2007. The first position is for a biochemist and the second for an organic chemist.

Applicants for either position must possess a Ph.D. in the specialty. The review of applications for both positions will begin on January 15, 2007 and will continue until the position is filled.

For detailed job descriptions and the specifics of the application process see the Farmingdale State website:

www.farmingdale.edu.

Farmingdale State is an AA/EOE employer.

FREE RECRUITING WEB SITE LISTING

The Indicator readership is New York & Northern New Jersey's largest source for chemical and biochemical personnel. *The Indicator* reaches more than 12,000 readers each month.

You can benefit from this large audience by using *The Indicator* for recruiting chemists and biochemists:

- Companies for lab, management and sales personnel
- University & College teaching positions
- Hospitals for technical and research personnel

Our ACS publications are said to provide more **qualified resumes** than newspaper ads because of the highly targeted technical audience.

For further information and free web site listing visit:

www.mboservices.net

Ad Index

ANALYTICAL	
Astec	22
Atlantic Analytical Laboratory, Inc.	21
Bruker Daltonics Inc.	9
Cargille Laboratories	23
Case Consulting Labs., Inc.	22
Chemir Analytical Services	21
Chemo Dynamics, L.P.	12
Desert Analytics Laboratory	14
DuPont Analytical Solutions	16
Galbraith Laboratories	22
Huffman Laboratories, Inc.	22
IQsynthesis	18
ISSI Laboratories, Inc.	22
Jordi FLP	21
Micron Inc.	17
New Jersey Institute of Technology	21
Numare Spectralab Inc.	21
NuMega Resonance Labs.	22
Poly(Chem-Tech)	22
Primera Analytical Solutions Corp.	22
Robertson Microlit Labs	2
Schwarzkopf Microanalytical	21
Spectral Data Services	22
Syntask Laboratories, Inc.	23
Tovatech LLC	18
CAREER OPPORTUNITY	
Farmingdale State University	24
ACS-NY/NoJ Sections	24
EDUCATION	
Rutgers University, Newark	11
Seton Hall University	6
EQUIPMENT	
Abacalab	8
Eastern Scientific Co.	22
Mass Vac, Inc.	2
GENERAL	
ACS-NY/NoJ Sections	10
ACS-NY/NoJ Sections	23
Scientific Bindery	23