Celebrating the Diversity of Science

The Eastern Analytical Symposium is the second largest meeting in the United States dedicated to the needs of analytical chemists and those in the allied sciences. Please help us to make the 2006 EAS the best ever—be a part of the program by contributing your own papers for inclusion in the oral or poster sessions.

We invite you to submit a contributed presentation for the 2006 EAS Technical Program. Please submit abstracts through our web site at www.eas.org, after March 1, and follow the instructions for preliminary abstract submission. Invited speakers should not submit preliminary abstracts to EAS, although your session organizer may request one for his/her use. All preliminary abstracts must be submitted electronically via the EAS web site at www.eas.org. The abstract submission deadline is April 15, 2006. Please visit our web site for a list of session topic areas.

Please carefully review the following information:
1. All preliminary contributed abstracts will be submitted electronically in 2006. No faxed, e-mailed, or mailed preliminary abstracts will be accepted.
2. The title of the presentation and the list of authors that you submit are final, and may not be changed.
3. The preliminary abstract that you submit will be considered to be your final abstract for use in the abstract book for the 2006 Eastern Analytical Symposium.
4. All preliminary abstracts will be acknowledged via e-mail.
5. Presenting authors of contributed submissions will be notified in June 2006 of the status of their abstract and its session assignment.
6. All preliminary abstracts will be included in the abstract book for the 2006 Eastern Analytical Symposium.
7. Invited speakers should not submit preliminary abstracts.

For information on the technical program at the 2006 EAS, please contact:

Eastern Analytical Symposium
P.O. Box 370
Walkersville, MD 21793

Email: askjas@aol.com
Phone: 301-682-3701
Fax: 301-688-4312

www.eas.org
Deadline for items to be included in the April 2006 issue of The Indicator is February 14, 2006.

WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM AND MEDAL AWARD BANQUET

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

Topic: Keeping It Simple: Click Chemistry in Action

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

1:30 PM Welcome
Professor Jill K. Rehmeh
2006 Chair, ACS New York Section
St. Joseph's College

1:35 PM Opening of the Distinguished Symposium
Mrs. Joan A. Laredo-Liddell
2006 Chair-Elect, ACS New York Section
Marymount College of Fordham University

1:45 PM Dipolar Cycloadditions:
Professor Valery V. Fokin
Old Dogs, New Tricks
The Scripps Research Institute

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

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

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

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

3:15 PM Coffee Break

3:45 PM Dipolar Cycloadditions:
Professor Craig J. Hawker
Peptides. University of California, Santa Barbara

In designing polymeric materials for use in nanotechnology it rapidly becomes apparent that control over all aspects of polymer structure (molecular weight, polydispersity, number and position of functional groups, architecture, etc.) is required if these materials are to be used successfully to create nanomaterials in the sub-50 nm size regime. Equally important to the rapid introduction and incorporation of these materials into devices is the development of robust and simple techniques for their synthesis. This last feature will allow a wide range of materials to be prepared efficiently while also permitting non-experts to prepare well-defined materials. The development of facile chemistry required if these materials are to be used successfully to create nanostructures in the sub-50 nm size regime.

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

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

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

5:30 PM Closing of the Distinguished Symposium
CHEMISTRY AS A LIFE SCIENCE
SYMPOSIUM XIII

Friday, March 17, 2006
The Paul Robeson Campus Center
Rutgers, The State University
Newark, New Jersey

Distinguished Speakers:

Robert H. Grubbs
California Institute of Technology
Olefin Metathesis Catalysts for the Synthesis of Complex Structures

Amir H. Hoveyda
Boston College
Solutions to Some Difficult Problems in Catalytic Enantioselective Synthesis

Madeleine M. Joullié
University of Pennsylvania
Synthetic Investigations of Naturally Occurring Metabolites and Their Use as Antimitotic Agents

Koji Nakanishi
Columbia University
Nature and Natural Product Chemistry

Matthew D. Shair
Harvard University
Discovery and Use of Small Molecules to Illuminate Life Processes

F. Dean Toste
University of California at Berkeley
Transition Metal Catalyzed Reactions for Organic Synthesis

This symposium is free and open to the public. Advanced registration is required. All registration must be completed at the following website: http://njacs.org/caals2006.html.

CHEMISTRY AS A LIFE SCIENCE

Historical Perspective

This year marks the thirteenth of these biennial, one-day symposia held under the auspices of the American Chemical Society through its Division of Medicinal Chemistry and Division of Organic Chemistry and the North Jersey Section, and sponsored by more than a score of major pharmaceutical and related research-based chemical companies.

The series began in 1982 with a symposium dedicated to the memory of Dr. Willy Leimgruber, an organic chemist and Director of Chemical Research at Hoffmann-La Roche in Nutley from 1973 until his untimely death in 1981. His research interests had included structure elucidation and synthesis of natural products and the study of their potential utility as medicinal agents. As with all the ensuing symposia, the first symposium was an overwhelming success, attracting a capacity audience of over 750 research chemists from both academia and industry.

It became immediately clear after the initial event that such a symposium, in the heartland of the pharmaceutical industry, had served a scientific need of the research-based chemical and pharmaceutical community in New Jersey and the Eastern Seaboard's middle-Atlantic region. Subsequently, key representatives from the pharmaceutical research industry in northern New Jersey solidified the organizational process to insure that similar events would continue into the future on a biennial basis.

Invitational lectures at the pioneering symposium addressed issues central to the focus of modern pharmaceutical research, ranging from synthetic organic chemistry to topics at the interface of chemistry and biology. Subsequent meetings have adopted this philosophy and format, continuing to focus the attention of research chemists on the relevance of their science to an understanding of biology at the molecular level and to the ability of organic chemists to intervene in biological processes for therapeutic benefits. Symposium XIII will continue this tradition as chemistry continues to move to become an inclusive science, one that incorporates within itself all of the various disciplines to which it contributes, especially the biological sciences.

Chemistry As A Life Science, traditionally free and open to the research community on a first-come, first-served basis, has rapidly evolved into a major organic chemistry event. The invited speakers for this thirteenth symposium include: Robert H. Grubbs (California Institute of Technology), Amir H. Hoveyda (Boston College), Madeleine M. Joullié (University of Pennsylvania), Koji Nakanishi (Columbia University), Matthew D. Shair (Harvard University), F. Dean Toste (University of California at Berkeley)

The 2005-2006 Organizing Committee consists of organic and medicinal chemists from some of our major pharmaceutical companies, including Bristol-Myers Squibb, Hoffmann-La Roche, Lexicon Pharmaceuticals, Merck & Company, Novartis Pharmaceuticals, Sanofi-Aventis, Schering-Plough, and Wyeth Research. Rutgers, the State University of New Jersey is the host and provides the use of the Newark campus facilities with the compliments of the State of New Jersey. Financial support, which has always made this series possible, has been once again generously provided by most of the major pharmaceutical houses and related chemical companies on the Eastern Seaboard.

Organizing Committee: Eugene J. Trybulski, Chair (Wyeth Research), Scott Edmondson (Merck & Company), W. Richard Ewing (Bristol-Myers Squibb), Stan S. Hall (Rutgers University), Freder J. Jakle (Rutgers University), Joseph A. Kozlowski (Schering-Plough), Victoria K. Lombardo (Lexicon Pharmaceuticals), Mahavir Prashad (Novartis Pharmaceuticals), Rumen Radinov (Hoffmann-La Roche), and Philip Weintraub (Sanofi-Aventis).
LONG ISLAND SUBSECTION
Biosensors Development: From Basic Research to Practical Applications
Speaker: Dr. Silvana Andreescu
Clarkson University
Potsdam, NY
In the last decade, a rapidly expanding area of research is the development of novel analytical devices that could respond to today’s needs for low-cost, reliable, ultra-sensitive and rapid detection of analytes of interest in clinical diagnosis, environmental monitoring and food control. A biosensor is “a compact analytical device incorporating a biological sensing element either integrated within or intimately associated with a physicochemical transducer”. Biosensors are expected to provide performances that make them comparable or even better than traditional analytical systems. This presentation will discuss the current state of the art of biosensor technology and will focus on recent trends and challenges in designing a reliable biosensor for practical applications. Possible ways of increasing the overall characteristics of these devices (e.g. stability, sensitivity, reproducibility) will be also discussed. The emphasis of this presentation relates to enzymes as biological responsive elements; we will present our current research efforts and preliminary results in biosensor development with a special focus on enzyme immobilization, microencapsulation techniques and electrochemical detection.
Date: Thursday, February 2, 2006
Times: Coffee 5:30 PM
Seminar 6:00 PM
Dinner 7:00 PM
Place: Hofstra University
Lander Auditorium
California Avenue
New Chemistry Building

NEW YORK MEETINGS
www.newyorkacs.org

CHEMICAL MARKETING & ECONOMICS (CM&E) GROUP
2006 World Petrochemical & Energy Outlook
Speaker: Michael Kratochwill
Vice President
Finance & Strategy
or
Dr. Andrew B. Swanson
Vice President and Director
Chemicals Practice
Nexant ChemSystems
White Plains, NY
Date: Thursday, February 2, 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 Tuesday, January 31st (12 noon). $55 for Guests and Members (at the door without reservations)
To reserve: Please reserve early to be eligible for discount price. Call Vista Marketing at (718) 961-8958, or via e-mail to cmegroup@yahoo.com. To pay online by credit card (via PayPal), go to the CM&E Website: http://www.nyacs-cme.org/
BIOCHEMICAL TOPOCAL
GROUP — JOINT MEETING
WITH THE NYAS BIOCHEMICAL
PHARMACOLOGY DISCUSSION
GROUP

Disease Target Validation and
Compound Evaluation Using Pathway
Analysis Approaches

Organizers: Jose R. Perez
Pfizer Global Research &
Development
Jeanne Magram
Boehringer Ingelheim
Pharmaceuticals

Date: Tuesday, February 28, 2006
Time: 1:00 – 5:00 PM
Place: New York Academy of Sciences
2 East 63rd Street
New York, New York

Space is limited. To reserve a seat, go to
the calendar at www.nyas.org/bpdg and fill
out the online reservation form, e-mail
BPDG@nyas.org

or call 212.838.0230
x322.

NYAS Members and BPDG Affiliates may
attend BPDG meetings free of charge. Non-
members may attend for $20. Non-member
students and postdoctoral fellows may
attend for $10. To become a Member of the
Academy, visit

HUDSON-BERGEN
CHEMICAL
SOCIETY

The Hudson-Bergen Chemical
Society enjoyed a wonderful talk
“What’s Under the Froth” by Dr.
Gerhard Haas, Research Visiting
Professor at Fairleigh Dickinson
University. Formerly, he was
Research Director of Rheingold
Breweries and Principal Scientist
at General Foods Corporation.
He talked about the raw materi-
als which go into the brew and
the chemical conversions into the
well-known foamy and refreshing
beverage. The talk was followed
by a beer tasting, for those over
21, featuring beers of different
types and from different
countries.

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 infor-
mation 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 pre-
sentations 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 (inaugur-
al 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 February 10, 2006
Time: Social 5:30 PM
Dinner 6:00 PM
Seminar 7:00 PM
Cost: $ 20, $10 for students
(no cost for seminar only)
Place: Ramapo College of New Jersey
Trustees Pavilion 1
Mahwah, NJ
EXECUTIVE COMMITTEE AND SECTION MEETING

Section officers, councilors, committee chairs, topical group chairs, and section event organizers meet regularly at the Section 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. Members interested in being on section committees should contact the section chair, Stephen Waller (waller@njacs.org) prior to this meeting.

Date: Monday, February 27, 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, February 22, 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.

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? 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.

If you plan on attending this meeting, please contact vjuck@yahoo.com.

MASS SPECTROMETRY DISCUSSION GROUP

Topic 1: “Vial to File - in a GLP Laboratory”

Speaker: Dr. Roger Hayes Schering-Plough Research Institute

Date: Tuesday, February 7, 2006
Place: Somerset Marriott
Time: Social 5:30 PM
Dinner 6:30 PM
Announcements and Presentations 7:15 PM
Cost: None
Sponsored by Spark Holland

Please visit www.njacs.org/ms.html for registration

ChemTAG Meeting

Annual Make-and-Take Bonanza

Date: Wednesday, February 8, 2006
(Time: 4:00 PM
Place: East Brunswick High School
380 Cranbury Road
East Brunswick, NJ
Contact: Karen Posluszny at kposluszn@ebnet.org

Call for Papers

54th ANNUAL UNDERGRADUATE RESEARCH SYMPOSIUM

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

Date: Saturday, April 29, 2006
Place: St. John’s University
Queens, NY

For more information, please visit newyorkacs.org for registration.

If you have any questions, please contact:
JamieLee Rizzo, Co-chair, Student Affiliate Committee, jrizzo@pace.edu
Alison Hyslop, Co-chair, Student Affiliate Committee, hyslopa@stjohns.edu
Sharon Lall-Ramnarine, Co-chair, Student Affiliate Committee, SLallramnarine@qcc.cuny.edu

BOOZY OUR PAYMENTS

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 supports our many activities.

LONG ISLAND SUBSECTION — TENTH ANNUAL FRANCES S. STERRETT ENVIRONMENTAL CHEMISTRY SYMPOSIUM

NPS Pollution — What’s In Your Sump?
Speakers include: Kimberly Rancourt
Long Island South Shore Estuary Reserve Office
John T. Tanacredi, Ph.D. Dowling College

The annual Frances S. Sterrett Symposium is dedicated to presenting the public with up-to-date, factual scientific information on environmental topics. Email questions to Dr. Barbara Hillery at hilleryb@oldwestbury.edu.

Date: Thursday, May 25, 2006
Place: Hofstra University
Hempstead, NY

Plan now to attend! And watch for updates at http://www.newyorkacs.org.

METALS BY AA/ICP
ION CHROMATOGRAPHY
TRACE ANALYSIS
COAL/PETROLEUM

Fast, Reliable Service
No Charge for Phone/Fax Results
P.O. Box 41058
245 S. Plumer, #24
Tucson, AZ 85726
Fax 520-629-9218
Phone 520-629-3361
Web: desertanalytics.com
E-mail: thelab@desertanalytics.com

ANALYSIS FOR THE CHEMICAL ELEMENTS

LONG ISLAND SUBSECTION — TENTH ANNUAL FRANCES S. STERRETT ENVIRONMENTAL CHEMISTRY SYMPOSIUM

NPS Pollution — What’s In Your Sump?
Speakers include: Kimberly Rancourt
Long Island South Shore Estuary Reserve Office
John T. Tanacredi, Ph.D. Dowling College

The annual Frances S. Sterrett Symposium is dedicated to presenting the public with up-to-date, factual scientific information on environmental topics. Email questions to Dr. Barbara Hillery at hilleryb@oldwestbury.edu.

Date: Thursday, May 25, 2006
Place: Hofstra University
Hempstead, NY

Plan now to attend! And watch for updates at http://www.newyorkacs.org.
Obituary

DR. FREDERICK W. BOLLINGER, MERCK SENIOR RESEARCH CHEMIST

A memorial service for Frederick W. Bollinger, 87, of Westfield was held Saturday, December 3, 2005, in the Presbyterian Church of Westfield. Arrangements were by the Gray Funeral Home, Westfield.

Dr. Bollinger, who died the previous Monday in Overlook Hospital, Summit, was a senior research chemist at Merck & Co. in Rahway, where he worked for 38 years before retiring. He co-invented the primary compound of the drug Sinemet, which has been used for the treatment of Parkinson's disease since 1975. He also helped develop other compounds and held several patents on them.

Dr. Bollinger was a 1939 graduate of the University of South Dakota, with a bachelor's degree in chemistry, completed a master's in chemistry at Washington State University in 1941 and started doctoral studies at the University of Chicago. In 1943, he earned a master's in meteorology from the California Institute of Technology. He later completed his Ph.D. at the Illinois Institute of Technology.

He was a captain in the Army Air Corps, working as a meteorologist during World War II.

Dr. Bollinger was a member of the North Jersey Section of the American Chemical Society, and served as its section chair. He also was a member of the American Chemical Society for more than 50 years and attended conferences and seminars as a member and a member emeritus.

He was a deacon and elder, both at the Presbyterian Church, and was active with the Boy Scouts and Republican Party, all in Westfield.

Dr. Bollinger was a member of the Genealogical Society of the Westfields, volunteered to help prisoners with their graduate equivalency exams at Rahway Prison, assisted with activities at the Westfield Day Care Center, and helped various groups involved with Parkinson's disease.

An avid traveler, he made several trips to the People's Republic of China, where he participated in the International Technical Exchange.

Born in Tyndall, SD, Dr. Bollinger lived in Westfield for many years.

Surviving are sons Frederick W., Jr., Roger and Bruce, a brother, Gerald, a sister, Mary Alice Searl, and two grandchildren.

NJACS member Bobbi Gorman demonstrates the joys of toys NCW activities at FDU, Madison.

Brenda Rosenau, a member of NJACS-TA, explains radial chromatography at NCW activities at FDU, Madison.

TEACHER AFFILIATES
Executive Committee Meeting
Date: Monday, February 13, 2006
Time: 4:30 PM
For location: Contact: Diane Krone at kroned@optonline.net or (201) 385-4810

ChemTAG NW
Check http://www.njacs.org/teacher.html for date
Place: Lenape Valley High School
Stanhope-Sparta Road
Stanhope, NJ
Contact: Janel Clifford at jclifford@lvhs.org

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.

PRODUCTS
A Division of Mass-Vac, Inc.
247 Rangeley Road • PO Box 359 • North Billerica, MA 01862
978 667 2393 • Fax 978 671 0014 • sales@massvac.com • www.massvac.com

NJACS member Bobbi Gorman demonstrates the joys of toys NCW activities at FDU, Madison.
SOCIETY FOR APPLIED SPECTROSCOPY, NEW YORK SECTION

Undergraduate and Graduate Student Awards in Applied Spectroscopy

The New York section of the Society for Applied Spectroscopy is pleased to announce the Undergraduate and Graduate Student Awards program for Academic Year 2006. The SAS is seeking nominations for its annual Student Awards that recognize excellence in the field of Applied Spectroscopy. The field of Applied Spectroscopy is broadly defined, and includes the use of traditional atomic and molecular spectroscopic techniques as well as the use of spectroscopic detectors in hyphenated instruments, spectroscopic imaging, and related fields.

One graduate and up to five undergraduate awards will be presented. Each candidate should be an undergraduate in at least their junior year or a graduate student majoring in science. The graduate awardee will receive a $500 cash award, a plaque, a one year membership to the SAS, plus an invitation to the student awards dinner. The New York Section Graduate Student Awardee will also be nominated for the National SAS Student Award which will be presented at the 28th Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS). Each undergraduate awardee will receive a $100 cash award, a plaque, a one year membership to the SAS, plus an invitation to the student awards dinner. Applications should include the following items for evaluation. Documents should be sent electronically (if possible):

a) A letter of recommendation from his/her research advisor.
b) Letters of recommendation from two additional faculty members who are familiar with the quality of the student's work.
c) Transcripts that document all university credits (unofficial transcripts are OK).
d) A one page summary of the research project written by the student including reference to any of the student's published work, demonstrating applicability of the research to the field of applied spectroscopy.
e) Telephone numbers, addresses and e-mail addresses of both the student & research advisor.

The deadline for award nominations is March 1, 2006. Please submit nominations to:
Dr. Eileen M. Skelly Frame  518-383-0946 46 Deer Run Hollow  518-373-2770 (FAX) Halfmoon, NY 12065 Skellye@aol.com

★ CHIRALITY MEDAL 2006

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

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

Previous Chirality Medal Winners are as follows:
1991 Gil-Av (Israel) and J. Jacques (France)
1992 V. Prelog (Switzerland)
1993 K. Mislow (USA)
1994 W. Pirkle (USA)
1995 K. Nakanishi (USA)
1996 E. L. Eliel (USA)
1997 R. Noyori (Japan)
1998 H. Kagan (France)
1999 V. Davankov (Russia)
2000 B. Sharpless (USA)
2001 Y. Okamoto (Japan)
2002 D. Seebach (Switzerland)
2003 D. Armstrong (USA)
2004 V. Schurig (Germany)
2005 K. Soai (Japan)

Call for Papers

MID ATLANTIC CHAPTER LABORATORY ROBOTICS INTEREST GROUP

New Technologies Meeting

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

Date: Thursday, March 23, 2006
Time: 7:00 - 9:00 PM
Place: Montclair State University Student Center Montclair, NJ

For complete details please contact Kevin Olsen, Room 359 Richardson Hall, Montclair State University, Montclair, NJ, 07043. 973-655-4076, OlsenK@Mail.Montclair.edu

Call for Posters

STUDENT POSTERS

Mid Atlantic Chapter Laboratory Robotics Interest Group

Open to undergraduates and graduate students. Student posters may be on ANY TOPIC in engineering or the biological and physical sciences. Cash prizes will be awarded. The winners of the 2005 contest are posted at: http://blake.montclair.edu/~olsenk/may%202005%20poster.htm

The student poster contest is being run in conjunction with the chapter’s annual New Technologies Meeting. This meeting showcases the latest technologies for the labora-

tories and improved data management systems.

Date: Thursday, March 23, 2006
Time: 3:00 - 9:00 PM
Place: Montclair State University Student Center Montclair, NJ


Others

38th ACS MIDDLE ATLANTIC REGIONAL MEETING — MARM 2006 — HERSHEY LODGE, HERSHEY, PA, JUNE 4-7, 2006

Co-hosted by SE Pennsylvania and Susquehanna Valley Sections

Chemistry at Chocolate Town

Registration Now Open

Registration and abstract submission are now open for the 2006 Middle Atlantic Regional Meeting (MARM 2006) of ACS. A program filled with the latest chemical research will be held in the Conference Center of Hershey Lodge, Hershey, PA, on June 4 to 7, 2006. Check the meeting web-site at http://www.marm2006.org for regular updates and registration. Abstracts can be submitted at: http://acs.confex.com/acs/marm06/cp.cgi

Major Symposia Planned:

Analytical Chemistry
Organic Chemistry
Food Chemistry (especially chocolate) Medical/Pharmacological Chemistry Burger and Copes Scholars

Preliminary List of Program Areas

Exemplary Plenary sessions, 100 years of FDA regulation, Mass spectrometry, Forensics, Education, Law, Computers, History (especially Joseph Priestley), Inorganic Polymers, Bench to pilot plant, and Physical Sciences

Awards for best undergraduate/graduate research

MARM SPOTLIGHT

Single Molecule Spectroscopy for Early Diagnosis of Disease

MARM 2006 is honored to have Professor Edward S. Yeung from Iowa State University presenting a lecture as one of the invited plenary speakers. His research, which focuses on the identification, development, evaluation, and application of new measurement concepts, has led to the discovery of new analytical techniques in nonlinear spectroscopy, laser-based detectors, capillary electrophoresis, trace gas monitoring, single-cell and single-molecule analysis, DNA sequencing, and data treatment procedures in chemical measurements. His contributions to chemistry have been recognized by numerous awards, including the ACS Division of Analytical Chemistry Award in Chemical Instrumentation and the Pittsburgh Analytical Chemistry Award. Reaching the ultimate level in microscale spectroscopy, Dr. Yeung’s presentation will detail how single molecules can be detected using a novel laser-imaging system. The method provides the ability to look at the chemical constituents within a single human cell, which has important applications to the early diagnosis of diseases.

Chocolate - Food of the Gods

MARM 2006 promises to be an enjoyable and informative meeting with Dr. Howard and Sally Peters presenting an invited plenary lecture during the Sunday science education day. Dr. Peters has devoted himself to the advancement of chemistry in our world through numerous years of service in ACS governance and as a chemical attorney. An appropriate presentation for a chemistry meeting in “Chocolate Town” - the Peters will provide insight into the history of chocolate from the Mayan and Aztec cultures to the present, the chemistry and biochemistry of theobroma cocoa, and the currently circulating urban legends about chocolate. Over the years, Dr. Peters has presented this talk and others about the history of chocolate containing many stories and examples of all sorts of chemistry. The Peters also share practical examples of all sorts of chemical discoveries: that oil and water don’t mix (or do they?), how these items get produced. Of course, the first stage is to make the paper, but that is dated by 4-color advertising pieces and periodicals (that is, junk mail and magazines). How many of us have ever considered how these items get produced. Of course, the first stage is to make the paper, but that is not our interest. The process for printing these materials is the area of interest and a fascinating process it is. In particular, offset lithography is based on one of the oldest printing processes and a fascinating process it is. In particular, offset lithography is based on one of the oldest printing processes and has been active in the design of the lithographic printing plate and CTP technologies. We will also take a brief visit into the future of printing.

Dr. Richard M. Goodman holds certificate number 747 from the ACC&CE and has recently been elected to its board of directors. He spent fourteen years as a Director in research and development for Kodak Polychrome Graphics and its predecessor companies. Dr. Goodman is currently an expert delegate to the ISO TC 130 graphic technology directorate. He has written more than 30 scientific publications over his thirty-year career as a surface chemist and holds 15 US patents. He received his Ph.D. in 1969 from the University of California at Berkeley in fundamental surface sciences. He has BS in Chemistry from the University of Michigan at Ann Arbor. He has been active in the American Chemical Society holding numerous committee chairmanships, including the 1996 Chairman of the New York Section, American Chemical Society.

ASSOCIATION OF CONSULTING CHEMISTS & CHEMICAL ENGINEERS, INC.

MARM HONORS: THE ALFRED BURGER AWARD IN MEDICINAL CHEMISTRY

This is the first year for the “MARM Honors” Symposium. The goal of the symposium will be to honor a different ACS division award at each MARM. To honor the award, a full day symposium will be organized to include past award recipients and other current major researchers speaking in honor of recipients, such that retrospective, current, and future views of the field are presented.

This year, MARM is proud to honor the Alfred Burger Award. This award is the most prestigious national award presented in medicinal chemistry. Initially established in 1978 with financial support from GlaxoSmithKline, the ACS Division of Medicinal Chemistry has presented this award biannually to industrial and academic chemists, who have made outstanding contributions to the discovery of new pharmaceuticals and to the understanding of the interactions or the synthesis of medicinal important compounds.

Symposium Speakers

Keynote Speaker

William J. Greenlee - 2004 Recipient

Arthur A. Patchett - 2002 Recipient

Ralph Hirschmann - 1994 Recipient

Erik J. Sorensen (Honoring Arthur Patchett)

David Auger (Honoring Josef Fried - 1996 Recipient)

Lexicon Pharmaceuticals

The 2006 ACS Middle Atlantic Regional Meeting (MARM) will be held June 4-7, 2006 at the Hershey Convention Center in Hershey, PA. More information on the meeting can be found at www.marm2006.org.

MARM SPOTLIGHT

Single Molecule Spectroscopy for Early Diagnosis of Disease

MARM 2006 is honored to have Professor Edward S. Yeung from Iowa State University presenting a lecture as one of the invited plenary speakers. His research, which focuses on the identification, development, evaluation, and application of new measurement concepts, has led to the discovery of new analytical techniques in nonlinear spectroscopy, laser-based detectors, capillary electrophoresis, trace gas monitoring, single-cell and single-molecule analysis, DNA sequencing, and data treatment procedures in chemical measurements. His contributions to chemistry have been recognized by numerous awards, including the ACS Division of Analytical Chemistry Award in Chemical Instrumentation and the Pittsburgh Analytical Chemistry Award. Reaching the ultimate level in microscale spectroscopy, Dr. Yeung’s presentation will detail how single molecules can be detected using a novel laser-imaging system. The method provides the ability to look at the chemical constituents within a single human cell, which has important applications to the early diagnosis of diseases.

Chocolate - Food of the Gods

MARM 2006 promises to be an enjoyable and informative meeting with Dr. Howard and Sally Peters presenting an invited plenary lecture during the Sunday science education day. Dr. Peters has devoted himself to the advancement of chemistry in our world through numerous years of service in ACS governance and as a chemical attorney. An appropriate presentation for a chemistry meeting in “Chocolate Town” - the Peters will provide insight into the history of chocolate from the Mayan and Aztec cultures to the present, the chemistry and biochemistry of theobroma cocoa, and the currently circulating urban legends about chocolate. Over the years, Dr. Peters has presented this talk and others about the history of chocolate containing many stories and examples of all sorts of chemistry. The Peters also share practical examples of all sorts of chemical discoveries: that oil and water don’t mix (or do they?), how these items get produced. Of course, the first stage is to make the paper, but that is dated by 4-color advertising pieces and periodicals (that is, junk mail and magazines). How many of us have ever considered how these items get produced. Of course, the first stage is to make the paper, but that is not our interest. The process for printing these materials is the area of interest and a fascinating process it is. In particular, offset lithography is based on one of the oldest printing processes and a fascinating process it is. In particular, offset lithography is based on one of the oldest printing processes and has been active in the design of the lithographic printing plate and CTP technologies. We will also take a brief visit into the future of printing.

Dr. Richard M. Goodman holds certificate number 747 from the ACC&CE and has recently been elected to its board of directors. He spent fourteen years as a Director in research and development for Kodak Polychrome Graphics and its predecessor companies. Dr. Goodman is currently an expert delegate to the ISO TC 130 graphic technology directorate. He has written more than 30 scientific publications over his thirty-year career as a surface chemist and holds 15 US patents. He received his Ph.D. in 1969 from the University of California at Berkeley in fundamental surface sciences. He has BS in Chemistry from the University of Michigan at Ann Arbor. He has been active in the American Chemical Society holding numerous committee chairmanships, including the 1996 Chairman of the New York Section, American Chemical Society.

ASSOCIATION OF CONSULTING CHEMISTS & CHEMICAL ENGINEERS, INC.

MARM HONORS: THE ALFRED BURGER AWARD IN MEDICINAL CHEMISTRY

This is the first year for the “MARM Honors” Symposium. The goal of the symposium will be to honor a different ACS division award at each MARM. To honor the award, a full day symposium will be organized to include past award recipients and other current major researchers speaking in honor of recipients, such that retrospective, current, and future views of the field are presented.

This year, MARM is proud to honor the Alfred Burger Award. This award is the most prestigious national award presented in medicinal chemistry. Initially established in 1978 with financial support from GlaxoSmithKline, the ACS Division of Medicinal Chemistry has presented this award biannually to industrial and academic chemists, who have made outstanding contributions to the discovery of new pharmaceuticals and to the understanding of the interactions or the synthesis of medicinal important compounds.

Symposium Speakers

Keynote Speaker

William J. Greenlee - 2004 Recipient

Arthur A. Patchett - 2002 Recipient

Ralph Hirschmann - 1994 Recipient

Erik J. Sorensen (Honoring Arthur Patchett)

David Auger (Honoring Josef Fried - 1996 Recipient)

Lexicon Pharmaceuticals

The 2006 ACS Middle Atlantic Regional Meeting (MARM) will be held June 4-7, 2006 at the Hershey Convention Center in Hershey, PA. More information on the meeting can be found at www.marm2006.org.

MARM HONORS: THE ALFRED BURGER AWARD IN MEDICINAL CHEMISTRY

This is the first year for the “MARM Honors” Symposium. The goal of the symposium will be to honor a different ACS division award at each MARM. To honor the award, a full day symposium will be organized to include past award recipients and other current major researchers speaking in honor of recipients, such that retrospective, current, and future views of the field are presented.

This year, MARM is proud to honor the Alfred Burger Award. This award is the most prestigious national award presented in medicinal chemistry. Initially established in 1978 with financial support from GlaxoSmithKline, the ACS Division of Medicinal Chemistry has presented this award biannually to industrial and academic chemists, who have made outstanding contributions to the discovery of new pharmaceuticals and to the understanding of the interactions or the synthesis of medicinal important compounds.

Symposium Speakers

Keynote Speaker

William J. Greenlee - 2004 Recipient

Arthur A. Patchett - 2002 Recipient

Ralph Hirschmann - 1994 Recipient

Erik J. Sorensen (Honoring Arthur Patchett)

David Auger (Honoring Josef Fried - 1996 Recipient)

Lexicon Pharmaceuticals

The 2006 ACS Middle Atlantic Regional Meeting (MARM) will be held June 4-7, 2006 at the Hershey Convention Center in Hershey, PA. More information on the meeting can be found at www.marm2006.org.
Cancellations must be made 24 hrs in advance or be invoiced. Please visit our web site for more details: www.chemconsult.org.

NJIT — OTTO H. YORK DEPT. OF CHEMICAL ENGINEERING
Graduate Seminar Series — Spring 2006

February 6
Crystallizable Block Copolymers: Directing Crystallization via Polymer Architecture
Professor Richard A. Register
Department of Chemical Engineering
Princeton University, Princeton, NJ

February 27
Chaos and Mixing in Vortex Dominated Flows
Professor Denis Blackmore
Department of Mathematics
New Jersey Institute of Technology
Newark, NJ

March 6
The Challenges of Designing Nanoparticle/Polymer Composites: The Infamous Interface
Professor Linda Schadler
Dept. of Materials Science & Engineering
Rensselaer Polytechnic Inst., Troy, NY

March 27
Dynamical Order and Complexity in Rhythmic Chemical Systems
Professor John Hudson
Chemical Engineering Department
University of Virginia, Charlottesville, VA

April 10
Biologically-Inspired Catalysis, or How to Teach an Old Molecule New Tricks
Professor Sergiu Gorun
Chemistry Department
New Jersey Institute of Technology
Newark, NJ

April 24
Advancing the Engineering Design of Nanocomposites with Controlled Properties
Professor Yvonne Akpalu
Chemistry and Chemical Biology Dept.
Rensselaer Polytechnic Institute, Troy, NY

Times: Refreshments 2:30 PM
Seminars 2:45 PM
Place: Room 3710, NJIT Guttenberg Information Technologies Center
Seminar Series Coordinator: Professor R. Barat (973) 596-5605, barat@njit.edu

Times: Refreshments 2:30 PM
Seminar coordinator: Dr. Frank Chung (973) 720-3458
Chung@wpunj.edu

Time: 12:30-1:50 PM
Place: Science Room 433
Tuesday, February 14, 2006
"Astrobiology: Science Fact or Science Fiction?"
Professor F. Walter
Department of Physics
Stony Brook/SUNY, Stony Brook, NY

Tuesday, February 21, 2006
"Polyoxometalates: from Archimedes to Zwitterions"
Professor M.T. Pope
Department of Chemistry
Georgetown University, Washington, DC

Tuesday, February 28, 2006
"Aromatic, Antiaromatic, Homoaromatic - The Hückel Rule and I"
Professor K. G. Grotmann
Department of Chemistry
Hunter College, New York, NY

Tuesday, March 7, 2006
"Genius, Nonsense, and Fraud: Distinguishing Science from Pseudoscience in Physics"
Professor S. Calvin
Department of Physics
Sarah Lawrence College, New York, NY

Tuesday March 28, 2006
"Why There Is No Salt in the Sea: Some Recent Developments in the Philosophy of Chemistry"
Professor J.E. Earely
Department of Chemistry
Georgetown University, Washington, DC

Tuesday April 11, 2006
"Global Warming"
Professor S. Hameed
Institute for Terrestrial & Planetary Atmospheres
Stony Brook/SUNY, NY

Seminar Series Sponsors
- Bradley Pharmaceuticals Inc.
- ConocoPhillips Bayway Refinery
- Engelhard Corporation
- Merck Research Laboratories
- Infrinem USA L.P.
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

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

GALBRAITH
55 YEARS
- Method Development
- Organic Analysis
- Trace Analysis
- Physical Testing
- GC/MS
1.877.449.8797 www.galbraith.com

PRODUCT FORMULATION • PROCESS DEVELOPMENT
Natural & Synthetic Rubber Processing
Hydrophobic Membranes & Coatings
Custom Formulation & Manufacturing
GOLDSTEIN ASSOCIATES - CONSULTING CHEMISTS
PO Box 86 Avenel, NJ 07001
(732) 789-7111 Fax (732) 462-8944
email: goldstein@monmouth.com
http://www.monmouth.com/goldstein

Career Opportunities

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

The Indicator-FEBRUARY 2006

The Indicator-FEBRUARY 2006