

# THE Indicator

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**DR. JAMES W. CANARY**  
**2005 CHAIR**  
**ACS NEWYORK SECTION**

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# THE Indicator

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#### EDITORIAL DEADLINES

February	December 13
March	January 14, 2005
April	February 13
May	March 15
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September	July 15
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Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.

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## December Calendar

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### NEW YORK SECTION

**Wednesday, December 1, 2004**  
Westchester Chemical Society  
*See page 6.*

**Thursday, December 2, 2004**  
Long Island Subsection  
*See page 6.*

**Tuesday, December 7 2004**  
Chemical Marketing & Economics Group  
*See page 6.*

**Tuesday, December 7, 2004**  
Biochemical Topical Group  
*See page 7.*

**Friday, December 10, 2004**  
High School Teachers Topical Group  
*See page 7.*

**Wednesday, December 15, 2004**  
Inorganic Chemistry Topical Group  
*See page 9.*

### NORTH JERSEY SECTION

**Thursday, December 2, 2004**  
NJ Group of Small Chemical Businesses  
*See page 10.*

**Monday, December 6, 2004**  
Teacher Affiliates Executive Committee  
*See page 10.*

**Tuesday, December 7, 2004**  
NoJ Chromatography Group  
*See page 11.*

**Wednesday, December 8, 2004**  
ChemTAG  
*See page 12.*

**Wednesday, December 8, 2004**  
Younger Chemists Committee  
*See page 12.*

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**Deadline for items to be included in the  
February 2005 issue of *The Indicator*  
is December 13, 2004.**

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## New York Section Chair's Message

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What is the significance of a local section and why should we participate in it? The American Chemical Society is the world's largest membership organization, yet it depends on local sections to provide energy, ideas, and leadership to drive the larger organization. In contrast to the publications and disciplinary divisions, the local sections bring people together with diverse educational and professional perspectives. The local section operates more like a family, driven by geographically defined needs and interests, pulling together people with heterogeneous roles in a setting that requires them to learn from and benefit each other. It forces the organization stay on track with respect to the needs of its members and includes participation by important groups that might not otherwise have a strong presence. Thus, the local section component of the ACS is an attractive and necessary feature, but it requires our participation in order to make it work.

Why don't you check out one of the many groups that meet in our section? You can find a group based on location from Hudson-Bergen to Westchester to Long Island to every borough of New York City, groups based on common interests including Young Chemists, Student Affiliates, MetroWomen Chemists, High School Teachers, and Retired Chemists, or groups that focus on topics, including Analytical Chemistry, Chromatography, Biochemistry, Chemical Marketing and Economics, Computers in Chemistry, Inorganic and Organometallic Chemistry, and Organic Chemistry. There are special events including graduate, undergraduate, and high school poster sessions, the contests for high school and college students, and section-wide meetings. Please contact me with your creative ideas that may allow us to add to this list, particularly new locations, people groups, or cutting-edge topics. You can find meeting times and locations (and a wealth of other information) at the section web site, <http://www.NewYorkACS.org/>.

Mark your calendar for this year's William H. Nichols Distinguished Symposium and Medal Award Presentation on April 1, 2004 (no kidding!). This year's winner is Professor Richard Zare of Stanford University. The topic of the symposium will be "Shining Light on Chemical Processes." Joining Professor Zare as speakers at the symposium will be Mark Johnson (Yale), John Brauman (Stanford), and W. Carl Lineberger (Colorado). Paul Houston from Cornell will provide more personal insights for us at the banquet. Our 2005 Chair-Elect, Jill Rehmann, has done an outstanding job of putting this event together. Not only will you want to be there, but you'll want to bring your colleagues along as well.

The New York Section of the American Chemical Society is one of the largest and best sections in the country. We have benefited enormously from the dedicated service of many individuals serving in many capacities in the section. Last year's Chair, Vijaya Korlipara, did an outstanding job for our section. We also appreciate many other dedicated servants working on the section board, leading subsections and topical groups, organizing poster sessions and contests, and many other activities. It is my privilege to have the opportunity to serve you along side these individuals.

This year, I would like to work hard to facilitate interactions and cross-fertilization of ideas among the section subgroups, strengthen relationships with other chemistry-based scientific organizations in our area, foster even greater diversity among the section's active participants, and raise the profile of chemistry among the public in our region. Please join us in these efforts, you will be glad that you did!

James W. Canary  
2005 Chair  
ACS - New York Section

## New York Meetings

[www.newyorkacs.org](http://www.newyorkacs.org)

### WESTCHESTER CHEMICAL SOCIETY

#### The Volcanic Eruption on the Greek Island of Santorini

Speaker: Yuri Gorokhovich  
Columbia University

One of the major events that changed development of our civilization was the volcanic eruption of the Greek island of Santorini (ca. 1500-1600 BC). This eruption at the end of the Bronze Age coincided with the end of the famous Minoan civilization on Crete. It also influenced a shift in agricultural activities and political powers in the Mediterranean region. The movie is a vivid and concise illustration of geological settings of Santorini volcano and archeological findings in the region.

Our speaker is a specialist in application of Geographic Information System in the fields of hydrology and environmental modeling. Yuri Gorokhovich established and managed the first GIS in 1992 for the Division of Water Quality and Control, New York City Department of Environmental Protection, and served for nine years. In 2004, he joined the research team at the Center for International Earth Science Information Network within the Earth Institute at Columbia University. Yuri started making the documentary film while at Purchase College and his two movies were nominated for awards at the First International Earth Film Festival in Florence.

**Date: Wednesday, December 1, 2004**

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

Place: Westchester Community College  
Administration Building  
Conference Room (lower level)

Time: Dinner 7:15 PM

Place: At a local restaurant

Further information contact Joan Laredo-Liddell at [JLaredo.Liddell@aol.com](mailto:JLaredo.Liddell@aol.com). Travel information contact Dr. Bernard Koser at [bernard.koser@sunywcc.edu](mailto:bernard.koser@sunywcc.edu)

### LONG ISLAND SUBSECTION

#### The History of Taxol

Speaker: Dr. William Berkowitz  
Emeritus Professor of Chemistry  
Queens College  
City University of New York

The talk will cover the history of Taxol, a potent anti-cancer drug; its discovery, total syntheses, and pharmaceutical development.

**Date: Thursday, December 2, 2004**

Times: Coffee 5:30 PM  
Seminar 6:00 PM  
Dinner 7:00 PM

Place: Hofstra University  
Lister Auditorium  
California Avenue  
New Chemistry Building



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

#### The Wall Street View of the Chemical Industry

Speaker: TBA

**Date: Tuesday, December 7, 2004**

[Note change in date from 2nd Thursday of the month]

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

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

Cost: \$35 discount price for Members who reserve by **Friday, December 3** (12 noon).  
\$50 for Guests and Members (at the door without reservations)

To reserve: Please reserve early to be eligible for discount price. Call Probe Economics at (914) 923-4505, or via e-mail to: [cmegroup@yahoo.com](mailto:cmegroup@yahoo.com). To pay online (via PayPal), go to the CM&E Website: <http://home.nyc.rr.com/chemmarkecon/>

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

#### Genomic Approaches to Understanding Chronic Pain States

Organizers: Tony Priestley  
Schering-Plough  
Research Institute

Tage Honore  
Purdue Pharma L.P.

Lillian W. Chiang  
Purdue Pharma L.P.

Speakers: Ardem Patapoutian  
The Scripps Research  
Institute

David J. Fink  
University of Michigan

Clifford J. Woolf  
Massachusetts General  
Hospital and Harvard  
Medical School

Stephen G. Waxman  
Yale Univ. School of  
Medicine

Lillian W. Chiang  
Purdue Pharma L.P.

**Date: Tuesday, December 7, 2004**

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](http://www.nyas.org) and fill out the online reservation form, e-mail [BPDG@nyas.org](mailto: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. Students and postdoctoral fellows may attend for \$10. To become a Member of the Academy, visit <http://www.nyas.org/landing.html>.

### HIGH SCHOOL TEACHERS TOPICAL GROUP

#### Nanotechnology

Speaker: Rolande R. Hodel  
Chemist  
CUNY, Queens College  
Graduate Student Mentor

Prof. Dr. Harry D. Gafney  
Westchester Chemical Society  
Treasurer

Nanotechnology has become a buzzword. With increasing government funding for nano research and venture capitalists hoping that this tiny technology will be the next big thing, the question arises: "What is Nanotechnology and what is it not?". To answer this question, the presentation will first give a historical overview and then explain in more detail the unique physical properties of nano material using cadmium selenide quantum dots as an example. Cadmium selenide is a semiconductor widely used in computer chip and light emitting diode manufacturing. However, synthesized as a nano material, ranging in size from 2-10 nanometers (10-50 atoms) in diameters, they are also referred to as quantum dots. At these small sizes, materials behave differently giving quantum dots unprecedented tunability and enabling never before seen applications to science and technology.

**Date: Friday, December 10, 2004**

Time: 7:15 PM

Place: New York University  
Main Building Room 207  
32 Waverly Place (southeast  
corner Washington Square east)  
New York, NY

Security at NYU may require that you show a picture ID to enter. 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.

## HIGH SCHOOL TEACHERS TOPICAL GROUP

### Meeting Schedule for 2005

#### January 7, 2005

"NYC Department of Environmental Protection's Science Materials for Science Teachers"

Presenter: Doreen Bader  
DEP Specialist, Research Scientist/  
Environmental Educator

#### February 11, 2005

"Green Chemistry"  
Presenter: Prof. Richard Gross  
Polytechnic University  
Dept. of Chemical Engineering

#### March 18, 2005

Two Movies: "Greenland On The Hudson," the movie shows Hudson River glacial deposits and takes you back 18,000 years to view a variety of glacial settings which are still visible today; "Scientist and Eemian," how two scientists obtain climatic records from the Greenland ice sheet.

Each film is 20 minutes long. These movies were part of a presentation at the 32nd International Geological Congress in Florence, Italy in August 2004.

Presenter and producer:

Dr. Yuri Gorokhovich  
Dept. of Geology  
Columbia University

#### April 15, 2005

##### "Demo Derby"

Non-stop presentations by science teachers from the New York City metro area.

All regular meetings are held on Friday evenings at New York University, Room 207, Main Hall, 32 Waverly Place (southeast corner at Washington Square East) at 7:15 PM. No reservations are necessary. In case of unexpected severe weather, call John Roeder, (212) 497-6500, between 8 AM and 2 PM to verify that meeting is still on.

All presentations are approved as a two-hour "New Teacher Staff Development Program Workshop/Conference." Bring an attendance form and get it signed.

## INORGANIC CHEMISTRY MINISYMPOSIUM — JOINT MEETING WITH THE NYAS CHEMICAL SCIENCES SECTION

### Small Molecule Activation and New Bond-Forming Reactions by Low-Coordinate Late Transition Metal Complexes

Dr. Joseph P. Sadighi  
Department of Chemistry  
Massachusetts Institute of Technology

### NMR Studies of Disorder and Motion in Lithium-ion Batteries, Fuel Cells and Environmental Chemistry

Dr. Clare P. Grey  
Department of Chemistry and Center for Environmental Molecular Sciences  
SUNY Stony Brook

### Factors Controlling Heme Electrochemistry: Lessons from the Protein Data Bank and De Novo Heme Protein Design

Dr. Brian R. Gibney  
Department of Chemistry  
Columbia University

Date: Wednesday, December 15, 2004

Time: 2:30 - 5:30 PM with reception to follow.

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

For more information and registration, contact the New York Academy of Sciences at (212)838-0230 or [conference@nyas.org](mailto:conference@nyas.org) or on the web at [www.nyas.org](http://www.nyas.org).



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Registration: January 6, 2005, 3 pm - 6 pm

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Course Number	Title	Day	Time
CHEM 6204 NA	Spectrochemical Methods of Analysis	Tues.	7:00-10:00
CHEM 6205 NA	Modern Separation Techniques	Thurs.	6:00-9:00
CHEM 6404 NA	Surface Chemistry	Mon.	6:00-9:00
CHEM 7299 SA	Chiral Separations	Sat.	10:00-1:00
CHEM 7399 NA	Medicinal Chemistry	Wed.	6:00-9:00

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.

## North Jersey Meetings

<http://www.njacs.org>

### EXECUTIVE COMMITTEE AND SECTION MEETING

There will be no Executive Committee Meeting in December.



### NEW JERSEY GROUP OF SMALL CHEMICAL BUSINESSES Focused Networking or What's Happening in Your Industry Sector in 2005 — How Can We Help You Manage It?

Take this opportunity to network with your peers about the rapid changes in the chemical industry — and strategic plans to meet the challenge. In the process, NJGSCB can talk with you about plans for 2005, and blend your input with our program.

In addition, we can all kick off the month of December with a bit of Holiday Cheer!

**Date:** Thursday, December 2, 2004

Times: Networking - Cash Bar 5:30 PM  
Dinner - Attendee Introductions 6:30 PM  
Discussion 7:15 PM  
Q&A - Networking - Dessert 8:00 PM

Place: Holiday Inn, North Frontage Rd.  
Newark, NJ

Cost: \$45 for members  
\$55 for non-members

Advance Registration is Required: Reserve electronically at our web site: <http://NJChemBus.org>

Reserve by: **November 29, 2004**. Please reserve early.

Cancellation Policy: Please cancel 48 hours before the meeting, or be invoiced.

Check payable to: NJ Group of Small Chemical Businesses

Mail Payment to: NJ Group of Small Chemical Businesses, P.O. Box 423, Summit, NJ 07902



### TEACHER AFFILIATES

#### Executive Committee Meeting

**Date:** Monday, December 6, 2004

Time: 4:00 PM

Place: Rosenau Home  
Somerville, NJ

Contact: Diane Krone at (201) 385-4810 or [kroned@optonline.net](mailto:kroned@optonline.net).



### NORTH JERSEY CHROMATOGRAPHY GROUP

#### Intelligent Speed: Theory and PRACTICE for Increasing Sample Throughput

Speaker: Diane Diehl

In order to achieve many of the high throughput and high sensitivity goals of today's analytical methods, optimization of operating conditions is critical. Chromatographic runs of 5 minutes or less are now achievable using products with advanced performance. This seminar provides an understanding of how to efficiently and intelligently go about doing this so that chromatographic runtimes can be decreased. Specific topics include:

- A review of the underlying principles governing fast separations. Topics include understanding how flow rates and gradient times influence peak capacity
- Information on the benefits of using columns over cartridge hardware
- Several examples of how new separations can be developed on intelligently designed columns that are 20 mm in length
- A review of the principles governing the scaling of flow rates and gradient times
- Examples of how to scale separations originally run on columns 150 mm in length to columns that are 20 mm in length — including several examples shared with us by external scientists.
- A cost comparison of separations run on a various length columns
- Discussion about the benefits of running separations on narrowbore (<2 mm i.d.) columns
- Examples of separations scaled from analytical to narrowbore columns
- Practical considerations for using narrowbore columns

This seminar is aimed at anyone who wishes to reduce the amount of time required in developing robust separations of complex sample mixtures, and who is interested in understanding HOW to increase sample throughput. We focus on separations that

are 1 minute to 5 minutes in length.

Diane received her B.S. in chemistry/business from the University of Notre Dame and her Ph.D. in analytical chemistry from Indiana University. She studied under Professor Ronald Hites, and her graduate work focused on using GC-MS to examine the environmental fate of persistent organic pollutants. She is currently an active member of the American Chemical Society and the American Association of Pharmaceutical Scientists. She is the author of several technical publications and has presented her work at many conferences including PittCon, AAPS, HPLC, ACS, SETAC and the Dioxin Conferences.

After graduate school, Diane served as an analytical chemist and a project manager in the environmental fate department of Dow AgroSciences. Her work included developing HPLC methods in support of pesticide registration studies. In 2001, she joined the Chemistry Operations Applied Technology group at Waters Corporation. Current job responsibilities include supervising chemists who develop applications for new and existing chemistry products including analytical and preparative columns and SPE products, developing and delivering seminars covering these applications, troubleshooting customers' separation issues and determining customers' future separation needs.

**Date:** Tuesday, December 7, 2004

Times: Social and registration 5:30 PM  
Dinner 6:30 PM  
Seminar 7:30 PM

Place: Somerset Marriott

Cost: \$30.00 for Dinner (\$15.00 for Students). We accept cash or check only at the time of registration. Credit card payments are accepted during on-line pre-registration, with \$5 non-refundable service charge.

Open seating for those not attending the dinner.

Reservations: Pre-registration is required. To register online, go to [www.njacs.org](http://www.njacs.org), click on chromatography. Or phone: David Kohler, ES Industries, 856-753-8400. **If you cannot attend, please be responsible and cancel your registration** 48 hours in advance, otherwise forfeit of pre-payment will occur.

(continued on page 12)

## Education

THE STATE UNIVERSITY OF NEW JERSEY  
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### Graduate Chemistry Courses Spring 2005

545 *Scanning Probe Microscopy*  
Dr. Huixin He  
Mon 6:00–8:50 pm, 240 Smith Hall

585 *Physical Biochemistry*  
Dr. Richard Mendelsohn  
Tue 6:00–8:50 pm, 240 Smith Hall

579 *Special Topics: Organometallic Chemistry*  
Dr. John Sheridan  
Thr 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](mailto:gradchem@newark.rutgers.edu)

Classes will be held on Newark Campus of Rutgers.  
The Spring 2005 term begins on Tuesday January 18

## NORTH JERSEY CHROMATOGRAPHY GROUP

(continued from page 11)

Thanks to our sponsors: Analytical Sales and Services, Applied Biosystems, Dionex, International Flavors & Fragrances, Northeast Planning, Shimadzu, and Thermo Election. We would also like to thank Supelco for assistance with our mailings.



### ChemTAG MEETING

Date: Wednesday, December 8, 2004

Time: 4:00 PM

Place: Somerville High School  
222 Davenport Street  
Somerville, NJ

Contact: Brenda Rosenau at [BKRosenau@aol.com](mailto:BKRosenau@aol.com)



### YOUNGER CHEMISTS COMMITTEE

Crime Solving Through Science

Speakers: Thomas Brettell, Ph.D  
Director, Forensic Science  
Laboratory Bureau  
NJ State Police

Margaret Wallace, Ph.D  
Prof. of Forensic Sciences  
John Jay College  
of Criminal Justice

Other Speakers: To Be Announced

Do you enjoy the suspense and intellectual stimulus of such TV hits such as Law & Order and CSI? Are you intrigued by the use of cutting-edge science and analytical techniques in cracking challenging crimes? If so, please join the North Jersey Younger Chemists Committee and Rutgers Chemistry Society for a fascinating meeting where you will get an insider's perspective. Put on your detective's hat and learn just how forensic scientists put their strong scientific backgrounds and quick problem-solving skills to use in this exciting, rewarding profession. We will feature speakers with chemistry and biochemistry background who work in forensic sciences.

Date: Wednesday, December 8, 2004

Time: Registration/Social Mixer: 6:00 PM

Panel Discussion: 7:00 PM

Place: Fiber Optics Auditorium  
Rutgers University, Busch Campus  
Piscataway, NJ

Check our website for updates and to register! Please register by Friday, December 3, 2004, either on-line at [www.njacs.org/ycc.html](http://www.njacs.org/ycc.html) or via e-mail to [jacqueline.a.erickson@gsk.com](mailto:jacqueline.a.erickson@gsk.com). Please cancel your reservation if you will not be able to attend. Directions and maps may be found on-line at <http://maps.rutgers.edu/directions/nb.aspx>

## MASS SPECTROMETRY DISCUSSION GROUP

Symposium: "Accurate Mass  
Measurement of Natural Products,  
Peptides, Proteins and Biomarkers "

Sponsored by: Corporate Members of  
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### Program

Accurate Mass Measurement: Taking  
Full Analytical Advantage of Nature's  
Isotopic Complexity

Professor Alan G. Marshall  
Center for Interdisciplinary Magnetic  
Resonance  
National High Magnetic Field Lab  
Tallahassee, FL  
Department of Chemistry

Florida State University  
Tallahassee, FL

Application of FTICR-MS to Natural  
Product Structure Determination

Dr. Xidong Feng  
Wyeth Research  
Pearl River, NY

Date: Monday, January 31, 2005

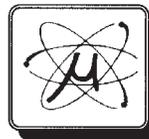
Times: Social 5:30 PM  
Dinner 6:00 PM  
Seminar 7:00 PM

Place: Somerset Marriott Hotel  
Somerset, NJ  
Cost: None

Registration: Must register online at  
[www.njacs.org/ms.html](http://www.njacs.org/ms.html)

For additional information, please visit our  
webpage at [www.njacs.org/ms.html](http://www.njacs.org/ms.html)

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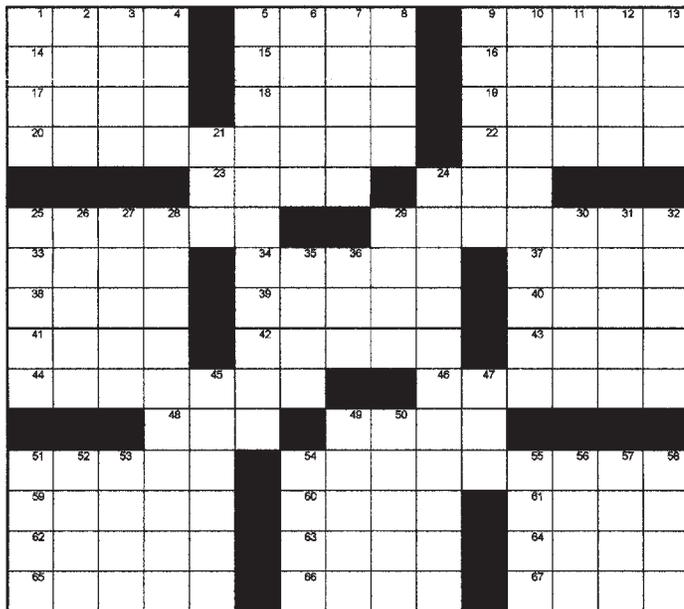
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# Puzzle - Lasers

By Colleen M. Parriott



**ACROSS**

1. Anon's partner
5. Like outer space
9. Japanese city
14. Leaning tower locate
15. One who finishes the cake
16. Type of 'boom'
17. A terrible man
18. Cheese choice
19. Coat with metal
20. Sear with a laser, as to stop bleeding
22. Gets up
23. Walk in water
24. Nourished
25. It makes lingerie smell lovely
29. Form of ruby used in lasers
33. Run in neutral
34. Magazine volume
37. Ripped
38. Pig appendage
39. Speak from the soapbox
40. Capital of Western Samoa
41. People of Western Africa
42. To swim: Spanish
43. Herbal or peko
44. Type of gasoline
46. Feeling of repugnance
48. Angular measurement used in artillery
49. Combining form meaning foot

**DOWN**

1. It's a long story
2. "... voice"
3. Jacob's twin
4. \_\_\_\_\_ and rave
5. Energy levels examined in laser Raman spectroscopy
6. Excessively bitter
7. Take into custody
8. Word with family or fir
9. Large bird
10. Lasers, such as some optically pumped, without moving parts
11. Duck genus
12. Franklin's lightening testing device
13. Top cards
21. Female sheep

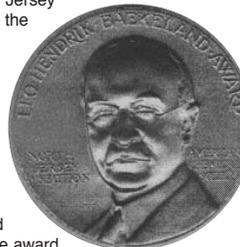
24. Laser generated active intermediate
25. Indian lute
26. "It's always darkest before dawn," for example
27. Resist separation
28. Earliest and most used tpe of gas-discharge laser
29. Native group of Panama
30. Drunkard
31. Verdi creations
32. Rent
35. Boxing move
36. Actor Caesar
45. Radar-like devices that use infrared lasers to detect atmospheric conditions
47. By way of
49. Copier supply
50. Swelling
51. Hoax
52. Somewhat: music
53. This to Pedro
54. Musical round
55. A little off the top
56. Small amount in Greek?
57. Atop
58. Without solvent

**Solution on page 20.**

# Call for Nominations

## 2005 BAEKELAND AWARD

The North Jersey Section of the American Chemical Society is soliciting nominations for the 2005 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 industrial chemistry to an American chemist who will be under the age of 40 as of January 1, 2005.

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. Nominations are encouraged, provided the age requirement is still met. Please submit materials by **December 31, 2004**, to Robert Goodnow, Jr., Baekeland Award Committee, of Hoffmann-La Roche Inc., Bldg. 123, 340 Kingsland Street, Nutley, NJ 07710-1199.





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## Distinguished Scientist Award - 2005

The Westchester Chemical Society is seeking nominations for its Distinguished Scientist Award - 2005. Any scientist who lives or works in Westchester is eligible for this award.

Please submit a detailed resume by **January 31, 2005** to Joan Laredo-Liddell, 391 Palmer Road, Yonkers, NY 10701-5239.



## NORTH JERSEY SECTION LIFETIME ACHIEVEMENT AWARD

The biennial Award, consisting of a plaque and \$1,000 prize, funded by the Novartis Pharmaceutical Company, honors an industrial researcher, chemist, or chemical engineer, fifty years old or older, resident or working for a minimum of fifteen years within the geographical borders of the Section, for his/her brilliance and intellectual leadership qualities, generously shared with others and not yet recognized by any major scientific award, to ensure that the achievements are fully recognized as contributing factors of progress, for the benefit of all.

The Award will be presented at the general meeting of the Section in May 2005.

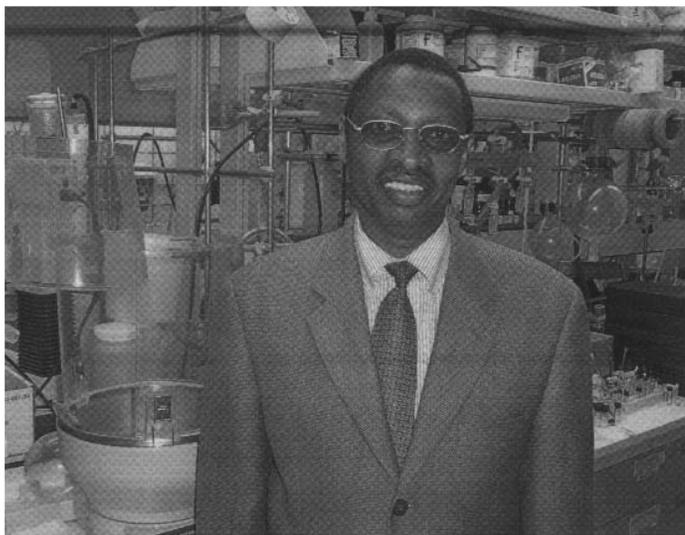
Submit nominations and seconding letters , before **February 2, 2005**, to F. Dammont, P.O. Box 20453, Newark, NJ 07101. For more information, please call (973) 482-5744.

## Others

### **SCHERING-PLOUGH'S F. GEORGE NJORGE RECEIVED EMERALD AWARD**

Dr. F. George Njoroge received the prestigious, nationally recognized award during the Emerald Honors Conference in Nashville, TN, recently. The Emerald Honors Award recognizes minorities' participation in the research sciences. "The Emerald Awards are a fitting tribute to deserving people of color," said Tyrone D. Taborn, president and CEO of CCG. "It's not easy getting noticed for achievement in the highly competitive world of research sciences and technology," he said.

"I feel deeply honored to receive this prestigious award and I am greatly indebted to the many excellent and innovative scientists who have worked with me in pursuit of medicines that would alleviate human sufferings," said Njoroge. "Their encouragement and close collaboration have undoubtedly been the foundation of my success."



Dr. F. George Njoroge

Dr. Njoroge joined Schering-Plough Research Institute in 1988. He has worked in both the anti-viral and anti-cancer areas. Dr. Njoroge was instrumental in the discovery of farnesyl protein transferase inhibitor SARASAR™ that is currently in Phase II clinical trials for the treatment of various cancers. Most recently, Dr. Njoroge led the chemistry team that discovered a hepatitis C virus protease inhibitor that is currently in Phase I clinical trials for the treatment of hepatitis C viral infections.

Dr. Njoroge holds a Bachelor of Science degree in chemistry from the University of Nairobi, Kenya and a Ph.D. in organic chemistry from Case Western Reserve University, Cleveland, OH. Dr. Njoroge has published extensively on synthetic organic chemistry, drug discovery, and medicinal chemistry and has amassed over 80 patents and publications in reputed journals. He received a President's award from SPRI for the discovery of anti-cancer molecules that eventually led to the development of the anti-tumor agent, SARASAR. In 2001, he received a second President's award for the discovery of the orally bioavailable hepatitis C protease inhibitor.

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Symposium website: <http://genecenter.hunter.cuny.edu/symposium2005>

Admission is free. Register online at the symposium website.

#### **Morning Session**

Greeting

Opening remarks

#### **Chemical Genetics (Keynote Address)**

*Stuart L. Schreiber, Ph.D.*

*Harvard University*

#### **Engineering Biosynthetic Pathways for Natural Products to Generate Novel Antitumor Derivatives**

*Jose A. Salas, Ph.D.*

University of Oviedo, Spain

**Genomic Screening of Natural Products**  
*Akira Kawamura, Ph.D.*  
Hunter College, The City University of New  
York Derivatives

#### **Afternoon Session**

#### **Biomedical Chemistry of Tropical Small Molecules with Life-Altering Activities**

*Eloy Rodriguez, Ph.D.*

*Cornell University*

#### **Better Pharmaceuticals through Biophysical Chemistry**

*Carmichael C. Roberts, Ph.D.*

*Surface Logix, Inc., Boston*

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*Benjamin C. Cravatt, Ph.D.*

*The Scripps Research Institute*

#### **Stem Cell Scenarios: Bone Marrow to Brain and Blau**

*Helen M. Blau, Ph.D.*

*Stanford University Medical Center*

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Dr. Jeffrey L. Sturchio, Vice President, External Affairs, Merck & Co., has been elected a Fellow of the American Association for the Advancement of Science for "scholarship that bridges the divide between the academic and corporate worlds and for public efforts to alleviate global health problems.

Congratulations, Jeff!



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*The Indicator* is interested in adding new features to the publication. Your input would be appreciated. Please let us know which type of feature you would like to see in future issues; i.e., book reviews, member news, short articles about your research or other ideas. Would you be willing to assist in gathering or writing such material?

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Advanced Forensic Science Applications for the Food and Drug Industries

May 1-4, 2005

San Diego, California

Chair: Fred Fricke, FDA

Discovery and Selection of Successful Drug Candidates

May 15-18, 2005

Boston, Massachusetts

Chair: Andrew Combs, Incyte Corporation

(Tentative) Organic Microelectronics (joint with IEEE and MRS)

July 10-13, 2005

Ogunquit, Maine (tentative)

Chairs: Tobin Marks, Northwestern (ACS); Henning Siringhaus, Cambridge University (IEEE); George G. Mallaras, Cornell University (MRS)

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