

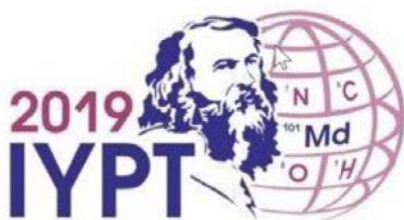
National Chemistry Week

The New York Local Section of the American Chemical Society

INVITES YOU TO THE UNVEILING OF THE

GIANT 3D PERIODIC TABLE OF ELEMENTS

Constructed by 1000+ Participants from 50+ Organizations



International Year
of the Periodic Table
of Chemical Elements

FRIDAY
OCTOBER 18, 2019
2:30 P.M.

THE GREAT HALL
NEW YORK HALL OF SCIENCE



ACS Local Section
New York



See article on page 5.

THIS MONTH IN CHEMICAL HISTORY

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

In a recent column I described some of the chemistry noted in a book I recently acquired entitled *Science Record 1874*. Please indulge me in as little gentle time travel – backwards. I found the beginning volume of this series, *Science Record 1872*, also edited by Alfred E. Beach and published by Munn and Company. For further information about both editor and publisher please refer back to my earlier column.

The 1872 volume does not have the careful separation into particular scientific topics of the 1874 book. I would describe it as something of a heterogeneous miscellany. But it does have some interesting insights into the chemistry of 1871 (the year it reviews) and many splendid engraved illustrations. The frontispiece and first article, incidentally, celebrate Richard Jordan Gatling, inventor of the celebrated Gatling Gun, perhaps the first really effective machine gun. Gatling was a prolific inventor in widely diverse fields including mechanical seed drills for planting wheat; hydraulic power transmission; and steam plows.

Still somewhat away from chemistry, but quite fascinating, is the essay on life in other worlds, particularly Mars. Reporting on the astronomer Proctor's interpretations of his telescopic observations of the red planet, we are assured that there are both stretches of land and oceans of water on Mars; and that there is "a pleasant impression of an immense landscape garden, with endless interchange of river, hill, and vale, of seas and bays, and winding shores, adapted to the fullest enjoyment of sensuous existence by beings constituted in mind and body like ourselves."

To turn from science fantasy to science fact Mr. Browning (no relation to the poet) has developed a new spectroscope with two batteries of prisms with a total dispersive power equal to 19 prisms! "The D lines in the spectrum of sodium are seen in this instrument separated by an apparent interval of more than one eighth inch, and under favorable conditions of the atmosphere ten or twelve lines are visible between them." He also exhibited a diffraction spectrum "produced by means of fine lines cut about one fifteen hundredth of an inch apart on the surface of a small piece of glass."

Professor Woehler (of urea synthesis fame) has prepared an effective demonstration apparatus to show to a large group that water is produced by the burning of hydrogen in air. The apparatus can be easily modified to demonstrate the combustion products of illuminating gas [primarily methane]; carbon monoxide; or a candle.

You have probably seen many Sherlock Holmes movies and TV programs in which the great detective and Watson are in pursuit of a wrongdoer amidst a swirling London fog. A striking illustration of the polluted air in London in the late 19th Century is described in *Science Record*. From "The British Journal of Photography": a wet collodion photo-plate was exposed at noon on a foggy day for three minutes to a northerly sky. The plate was completely unaffected! "London photographers evidently labor under peculiar difficulties."

There is an interesting set of observations on crystals found in plants – something I was quite unaware of. Professor Bailey, of West Point, summarized his and others' observations in the "American Journal of Microscopy". He found crystalline deposits throughout the bark, wood, and leaves of a variety of trees and shrubs. His first observations were on hickory, and extended the work to mahogany, *lignum vitae*, and poplar among others. The crystals are nicely illustrated in the article, but, annoyingly for us chemists, their nature is not discussed.

Finally, and also somewhat unexpectedly, are observations of a new finding during an exploration of the effectiveness of steam as a disinfecting agent. This was work reported by John C. Draper Professor of Chemistry, University Medical College, New York and the first President of the ACS (you knew that, right!). Professor Draper observed that a high speed stream of steam and air, ejected through a narrow nozzle, contained traces of ozone presumably produced by the electrification of the stream by friction within the nozzle. He suggests this might be useful in treating "foul or gangrenous ulceration."

I will have more to say about the two *Science Record* volumes in future columns.

THE INDICATOR**Manager / Editor** - LINDA ATKINS

38 Main Street, Apt. 8, Butler, NJ 07405

973-981-4383

indicator.linda@gmail.com**Acting Advertising Manager****DR. NEIL JESPERSEN**

Chemistry Dept., St. John's University

8000 Utopia Parkway, Queens, NY 11439

718-990-5221

jespersen@stjohns.edu**INDICATOR COMMITTEE****Chair, DR. LES MCQUIRE**

17 Crown Drive, Warren, NJ 07059

908-334-5473

Les@LesMcQuire.org**New York Section Rep.****DR. NEIL JESPERSEN**

Dept. of Chemistry, St. John's University

8000 Utopia Parkway, Queens, NY 11439

718-990-5221

jespersen@stjohns.edu**North Jersey Section Rep.****JACQUELINE ERICKSON**

GSK, 184 Liberty Corner Rd., Warren, NJ 07059

973-713-8303

jacqueline.a.erickson@gsk.com**Web Masters****NY Section - DR. BRIAN R. GIBNEY**postmaster@newyorkacs.org**NoJ Section - PAUL TUKEY**ptukey@njacs.org**NEW YORK SECTION**<https://newyorkacs.org>**Chair, DR. JUSTYNA WIDERA-****KALINOWSKA**

Dept. of Chemistry, Adelphi University

1 South Street, Garden City, NY 11530

516-877-4135 • widera@adelphi.edu**Chair-Elect, DR. RUBEN SAVIZKY**

Dept. of Chemistry, The Cooper Union

41 Cooper Square, New York, NY 10003

212-353-4372 • rsavizky@cooper.edu**Secretary, DR. DANIEL AMARANTE**

Division of Natural Sciences, College of Mount

Saint Vincent, 6301 Riverdale Avenue,

Riverdale, NY 10471 • 718-405-3389

danamarant@gmail.com**Section Office**

Marilyn Jespersen, Office Administrator

St. John's University, Dept. of Chemistry,

8000 Utopia Parkway, Queens, NY 11439

516-883-7510; Fax 516-883-4003

njesper1@optonline.net**NORTH JERSEY SECTION**<https://www.njacs.org>**Chair, DR. AMJAD ALI**

Senior Principal Scientist, Merck and Co. Inc.

2000 Galloping Hill Road, Kenilworth, NJ 07033

908-740 3407 • amjad_ali@merck.com**Chair-Elect, DR. CECILIA MARZABADI**

Dept. of Chemistry & Biochemistry, Seton Hall

University, 400 South Orange Avenue, South

Orange, NJ 07079-2646 • 973-761-9032

201-983-3770 • cecilia.marzabadi@gmail.com**Secretary, BETTYANN HOWSON**

49 Pippins Way, Morris Township, NJ 07960

973-822-2575 • chemphun@gmail.com**Section Office**

49 Pippins Way, Morris Township, NJ 07960

973-822-2575 • chemphun@gmail.com**THE Indicator** 

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

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Visit Uswww.TheIndicator.org

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

"Freedom is never more than one generation away from extinction."

—Ronald Reagan

October Calendar

NEW YORK SECTION

Thursday, October 3, 2019

Long Island Subsection
See page 6.

Saturday, October 5, 2019

Science Café - The Periodic Table People
See pages 6-7.

Tuesday, October 8, 2018

Biochemical Technical Group
See pages 7-8.

Thursday, October 10, 2019

Westchester Chemical Society
See pages 8-9.

Tuesday, October 22, 2019

Biochemical Technical Group
See page 9.

Sunday, October 20, 2019

National Chemistry Week Celebration
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Wednesday, October 30, 2019

New York Society for Applied Spectroscopy
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also

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Westchester Chemical Society
See page 10

Thursday, November 7, 2019

Long Island Subsection
See pages 10-11.

Friday, November 15, 2019

Board of Directors Meetings
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Thursday, December 5, 2019

Long Island Subsection Holiday Dinner
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NORTH JERSEY SECTION

Saturday, October 19, 2019

Chem Expo
See pages 15 & 17-20.

Monday, October 28, 2019

North Jersey Executive Meeting
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also

Friday, November 15, 2019

Baekeland Award and Symposium
See pages 15 & 16.

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**The Indicator is posted to the web
around the 15th of the previous
month at**

www.TheIndicator.org

**Deadline for items to be included in
the November 2019 issue of
The Indicator is**

September 28, 2019

National Chemistry Week

New York Section of the ACS Cordially Invites You to Its 2019 National Chemistry Week Events

For the 15th consecutive year, the New York Section once again will bring its thousands members together celebrating the National Chemistry Week (NCW, October 20-26, 2019) and conveying the importance of chemistry to the public with the following events:

1. **The Hands-on Chemistry Spectacular Show** that will take place on Sunday, October 20, 2019, from 11:00 am to 4:00 pm at the New York Hall of Science (NYSCI), Queens, New York. During the event, nearly 300 volunteers from 25 area universities, colleges, high schools, chemical companies, business centers and nonprofit organizations bring safe, fun, and action-containing experiments to the site for the Museum visitors to try. These experiments celebrate the 2019 NCW theme, "The Marvelous Metals", and demonstrate how STEM and chemistry positively impact our everyday lives. The admission to NYSCI is FREE from 10:00 am to 11:00 am on October 20, 2019.
2. **The Illustrated Poem Contest K-12th Students**. Students are invited to write and illustrate a poem using the NCW theme, "Marvelous Metals". Winners receive gift cards in four grade categories (K-2, 3-5, 6-8, and 9-12), and will advance to the national contest for a chance to win cash prize. Please contact Erin Wasserman, ewasserman602z@gmail.com, about the Contest Entry Submission deadline and detailed information.
3. **Special to this Year's Program - A Giant 3D Periodic Table Display (Oct. 18-25) at New York Hall of Science** to celebrate the **2019 IYPT - International Year of the Periodic Table**. This Table, composed of 118 individual element panels designed by participants from 50+ organizations and approximately 12ft x 10ft x 10ft in size, pays tribute to the glorious discovery of the periodicity of the chemical elements, and celebrates the legacy of science, innovation, and human collective endeavors. The Table will be unveiled at the NYSCI, the Great Hall, on Friday, October 18, 2019 at 2:30 pm (NYSCI offers FREE hours from 2-5 pm). At the Ceremony, visitors will have a chance to speak to area eminent scientists including Dr. James Wynne (LASIK Inventor) and Dr. James McGroddy (Gunn effect in semiconductors), accomplished academia faculty members, university/college/high school students, and representatives of Senator Gillibrand and Congresswoman Ocasio Cortez.

These events are generously sponsored by New York Hall of Science, Chemical Marketing & Economics (CME) Group of the NYACS, International Business Machines (IBM) Research, PepsiCo, and New York Section of the American Chemical Society (NYACS). For more information on these events, please visit the NYACS website at: http://www.newyorkacs.org/meetings/NCW/2019_ncw.php.



More information about NCW news (New York and North Jersey), see pages 17-25 for Calls for Sponsors, Help, and Programs.

New York Meetings

<https://www.newyorkacs.org>

ACS, NEW YORK SECTION BOARD OF DIRECTORS

MEETING DATES FOR 2019

The dates for the Board of Directors Meetings of the ACS New York Section for 2019 have been selected and approved. The meetings are open to all – everybody is welcome. All non-board members who would like to attend any of the meetings should inform the New York Section office by emailing Mrs. Marilyn Jespersen at njesper1@optonline.net or by calling the Section office at (516) 883-7510.

Dates and locations of the meetings are posted below and on the New York Section website at <https://www.NewYorkACS.org>. Prof. Justyna Widera-Kalinowska will chair all meetings. Refreshments will be available starting at 6:00 PM and the board meetings will start at exactly 6:30 PM.

The Board Meeting date and location for the last meeting of 2019 are:

Friday, November 15, 2019

Adelphi University
1 South Avenue
Garden City, NY 11530

Directions

<https://visit.adelphi.edu/travel-info/directions>



LONG ISLAND ACS 2019 FALL SEMINAR PROGRAM

Deammonification for Sustainable Nitrogen Management in Wastewater Resource Recovery Facilities

Speaker: Dr. Dimitrios Katehis
Director of Regulatory
Compliance and Innovation
New York City Environment
Protection

Abstract: Conventional management of nitrogen discharges from Wastewater Resource Recovery Facilities, WRRFs, increases the resource intensity of treatment with additional energy consumption, the need for supplemental organic chemical and supplemental alkalinity addition, an increased production in harvested biomass that needs to be post processed, and an

increased potential for nitrous oxide emissions, materially increasing the carbon footprint of nitrogen removal. Over the past two decades, the ongoing development of a novel alternative biochemical pathway, **deammonification**, promises a significant reduction in the carbon footprint and cost of treatment. After providing an overview of the wastewater resource recovery process, this presentation will focus on one application point within WRRFs, where this reaction has been broadly applied successfully, the anaerobically digested biosolids dewatering stream. NYCDEP's contributions at the early stages of development of the deammonification process included the identification of key operational risks and the development and demonstration of mitigation strategies. The significant R&D opportunities that remain as we attempt to harness the deammonification reaction for removal of nitrogen from the main plant flow, which represent the bulk of the nitrogen input into WRRFs will be outlined.

Date: Thursday, October 3, 2019

Times: 6:00 PM to 8:00 PM

(Refreshments start at 5:30 PM)

Place: Queensborough Community
College, Science Building, S-112
222-05 56th Avenue
Queens, NY 11364

Cost: Dinner follows Seminar at a nearby
restaurant, \$25 per person)

<http://www.qcc.cuny.edu/about/getting-here.html> for directions.



NEW YORK SECTION — SCIENCE CAFÉ — “THE PERIODIC TABLE PEOPLE”

A Science Café and Contest Celebrating the International Year of the Periodic Table

This is a notice of a Science Café and contest being held for the NY Section of the American Chemical Society to celebrate the International Year of the Periodic Table. It is being organized by Sally Mitchell and Sr. Mary Virginia Orna, Ph.D., both board members of the Westchester Chemical Society (a local sub-section of NYACS), using grant money from the ACS.

Periodic Table People: An Invitational Essay/Interactive Skit Contest from the American Chemical Society New York

Section in a Gala Celebration of the International Year of the Periodic Table.

Come One! Come All! Fun, eats, contest, grand prizes, skits, for all levels of chemistry, for teams of faculty members and students. And assemble a Cupcake Periodic Table – chemistry so good you can eat it!

What? Science Café.

When? Saturday, October 5, 2019

Time? 2:00 PM

Where? The Sullivan Hall cafeteria
St. John's University
Queens, NY

Students at any level of chemistry instruction are invited to submit a faculty-student-team-researched-and-written brief essay (1,000 words or less) describing a personal-ity in the Periodic Table (see list below). The essay should contain biographical information, the contribution of this person to science, and a justification for his/her place in the table. At least two supporting scholarly references (not taken from the internet) should accompany the essay; they will not figure in the word count. The competing teams will perform a 5-minute (or less) skit based on the essay at the NY Section Science Café. Essays/skits will be judged on the depth and clarity of science covered, the quality of research, and historic content as evidenced in the skit. Winning teams will receive one of three Grand Prizes for their schools: a voucher for supplies selected from the Flinn Catalog (1st prize - \$300; 2nd prize - \$200; 3rd prize - \$100). **By September 13, 2019**, submit your team's (3 persons minimum, including your faculty member) intent to participate along with your preferred five Periodic Persons to chemsource.info@gmail.com; you will receive your designated "person" by return email, on a first-come first served basis to avoid duplicates. **Before September 30, 2019, please submit your essay and skit outline along with a captioned photograph of your team to the same email address.** Please include the name and location of your institution and contact information. **Essay entries and skit outlines will be judged and admitted for performance at the Science Café by October 1. Winners will be judged and announced at the American Chemical Society New York Section Science Café on October 5, 2019 being held at St. John's University,**

Queens, NY at 2:00 PM. Refreshments, team prizes, camaraderie!! Come one, come all! To be eligible for one of the grand prizes, you **MUST** present your skit at the Science Café. Essays submitted by email only without a skit will be eligible for a Periodic Table-related prize only.

Periodic Table People (choose your top five and submit to chemsource.info@gmail.com with name of team leader, institution, and email address):

At. No.	Person
62	Vassili Samarsky-Bykhovets
64	Johan Gadolin
96	Marie Curie
96	Pierre Curie
99	Albert Einstein
100	Enrico Fermi
101	Dmitri Mendeleev
102	Alfred Nobel
103	Ernest O. Lawrence
104	Ernest Rutherford
106	Glenn Seaborg
107	Niels Bohr
109	Lise Meitner
111	Wilhelm Roentgen
112	Nicolaus Copernicus
114	Georgy Flerov
118	Yuri Oganesson



BIOCHEMICAL TOPICAL GROUP – JOINT MEETING WITH THE NYAS BIOCHEMICAL PHARMACOLOGY DISCUSSION GROUP

Hearing Restoration and Hair Cell Regeneration

Organizers: Olivia Bermingham-McDonogh, PhD
University of Washington

Joseph Burns, PhD
Decibel Therapeutics

Meghan Drummond, PhD
Regeneron

Michael Franti, PhD
Boehringer Ingelheim

Jeffrey Holt, PhD
Boston Children's Hospital

(continued on page 8)

BIOCHEMICAL TOPICAL GROUP

(continued from page 7)

Will McLean, PhD
Frequency Therapeutics

Keynote: Peter Barr-Gillespie, PhD
Oregon Health & Science University

Speakers: Olivia Bermingham-McDonogh, PhD
University of Washington
Gwenaëlle Géléoc, PhD
Boston Children's Hospital;
Harvard Medical School
Eri Hashino, PhD
Indiana University School of Medicine

Jeffrey Holt, PhD
Boston Children's Hospital

Lawrence R. Lustig, MD
Columbia University

Will McLean, PhD
Frequency Therapeutics

Tatjana Piotrowski, PhD
Stowers Institute for Medical Research

Alec Salt, PhD
Washington University School of Medicine

This symposium will bring together experts of the auditory system and hair cell regeneration to give an overview of the recent advancements in the field, identify knowledge gaps, and outline future directions towards a cure for age-related hearing loss.

Date: Tuesday, October 8, 2019

Time: 8:30 AM – 5:00 PM
(reception to follow)

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

Cost: ACS and NYAS members save \$50 or more on this event. Please select the appropriate non-member Registration Category and use the Priority Code "ACS".

For more information and to register for the event, go to:

www.nyas.org/hearingrestoration

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

WESTCHESTER CHEMICAL SOCIETY

Science Café - "The Science of Aging-Extending Healthy Life"

Science Cafés are designed for informed interaction with members of the public on scientific matters of current concern in society. The essence of a Science Café is informality, with groups seated around tables, with food and drink to encourage conversation.

Speaker & Discussion Leader: Toby G. Rossman, Ph.D.
Retired Professor of Environmental Medicine
New York University School of Medicine
(now NYU-Langone Health)



Biography: Toby G. Rossman, Ph.D. was Professor of Environmental Medicine at the New York University School of Medicine (now NYU-Langone Health) and Director of the Molecular Toxicology and Carcinogenesis Research

Core of the NYU/NIEHS Center. After her biology degree from NYU and research experience in Biochemistry at Brandeis University, she completed her Ph.D. degree in Basic Medical Sciences (Microbiology and Biochemistry) at NYU. She joined the faculty there after some further years of research experience and retired as professor of Environmental Medicine. Dr. Rossman received continuous funding for her research for over 30 years and published over 120 articles, mostly on mechanisms of carcinogenesis. She now consults for the legal profession, teaches at local universities, and runs the Hudson Valley Science Café.

Talk Summary: Human life expectancy has been increasing for at least 100 years. We will soon have more older people than children and more people at "extreme old age" (>85) than ever before. Although people are living longer, it also means that more people are living with noncommunicable diseases such as type 2 diabetes, obesity, cardiovascular diseases, arthritis, chronic respiratory diseases, dementias, and cancers. For others, aging is accompanied by major disabilities. How much of this can be prevented? This lecture reviews what we know about the aging process and in particular, what we know about healthy aging.

Date: Thursday, October 10, 2019
Time: Social and Snacks 5:00 PM
 (Cold drinks and a variety of snacks
 freely available, as well as a cash
 bar.)
 Lecture and Discussion 5:45 PM
 Option to Order Dinner 7:00 PM
Place: Stone Manor Restaurant,
 101 Saw Mill River Rd. (Route 9A),
 Hawthorne, NY 10532
 Tel: 914-703-4112
Cost: \$3.00 Students; \$5.00 All Others

For further information: contact Peter
 Corfield, pcorfield@fordham.edu
 Phone: 914-762-4468; Text:
 914-980-9128 or 914-218-7607.

Please RSVP by text or email to Peter
 Corfield if you expect to come, to help us
 plan. But if you do not RSVP, you can still
 drop by!



BIOCHEMICAL TOPICAL GROUP – JOINT MEETING WITH THE NYAS BIOCHEMICAL PHARMACOLOGY DISCUSSION GROUP

Targeting Immunometabolism in Auto- immune Diseases and Inflammation

Organizers: J. Perry Hall, PhD
 Pfizer
 Gokhan Hotamisligil, MD, PhD
 Harvard University
 Luke O'Neill, PhD
 Trinity College Dublin
 Jeffrey Rathmell, PhD
 Vanderbilt University
 Claire Stepan, PhD
 Pfizer
 Tom Wynn, PhD
 Pfizer
 Sara Donnelly, PhD
 The New York Academy of
 Sciences

Keynotes: Susan Kaech, PhD
 The Salk Institute
 Jeffrey Rathmell, PhD,
 Vanderbilt University

Speakers: Anthony Ferrante, MD, PhD
 Columbia University
 Alyssa Hasty, PhD
 Vanderbilt University
 Russell Jones, PhD
 Van Andel Research Institute

Claudia Kemper, PhD
 National Institutes of Health
 Chaoran Li, PhD
 Harvard Medical School
 Laurence Morel, PhD
 University of Florida
 Jonathan Powell, MD, PhD
 Johns Hopkins University
 School of Medicine

Immunometabolic dysregulation plays a key
 role in the progression and resolution of
 autoimmune and inflammatory diseases.
 This symposium will highlight core pathways
 that govern the metabolism of innate and
 adaptive immune cells with an emphasis on
 potential therapeutic targets.

Date: Tuesday, October 22, 2019

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

Cost: ACS and NYAS members save
 \$50 or more on this event. Please
 select the appropriate non-member
 Registration Category and use the
 Priority Code "ACS".
 Early Bird Discounted Registration
 Deadline: **September 10, 2019.**

For more information and to register for the
 event, go to: www.nyas.org/IM2019

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



EMPLOYMENT AND PROFESSIONAL RELATIONS COMMITTEE OF THE NEW YORK SECTION

To Human Resources Departments in
 Industry and Academia

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

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

WESTCHESTER CHEMICAL SOCIETY

FUTURE MEETING

Note that this meeting had been scheduled for February 12, 2019 but had to be rescheduled because of inclement weather.

Special Seminar – “Tripodal Ligands in Bioinorganic and Organometallic Chemistry: Carbon Dioxide Functionalization and Mercury Detoxification”

Speaker: Gerard Parkin, D.Phil.
Professor, Dept. of Chemistry
Columbia University
New York, NY



Biography: Gerard Parkin received his B.A., M.A., and D.Phil degrees from the Queen's College, Oxford University, where he carried out research under the guidance of Professor

Malcolm L. H. Green. In 1985, he moved to the California Institute of Technology as a NATO postdoctoral fellow to work with Professor John E. Bercau. He joined the faculty of Columbia University as Assistant Professor in 1988 and was promoted to Associate Professor in 1991 and to Professor in 1994. He served as Chairman of the Department from 1999 – 2002. He has also served as Chair of the New York Section of the American Chemical Society, Chair of the Inorganic Chemistry and Catalytic Science Section of the New York Academy of Sciences, Chair of the Organometallic Subdivision of the American Chemical Society Division of Inorganic Chemistry, and Chair of the Gordon Research Conference in Organometallic Chemistry.

He is an elected Fellow of both the American Chemical Society and the Royal Society of Chemistry and is the recipient of a variety of international awards, including the ACS Award in Pure Chemistry, the ACS Award in Organometallic Chemistry, the RSC Corday Morgan Medal, the RSC Award in Organometallic Chemistry, the RSC Ludwig Mond Award, and the RSC Chem Soc Rev Lecture Award. He is also the recipient of the United States Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, the United States Presidential

Faculty Fellowship Award, the Columbia University Presidential Award for Outstanding Teaching, and the Lenfest Distinguished Columbia Faculty Award.

His principal research interests are in the areas of synthetic, structural, and mechanistic inorganic chemistry

Abstract: Despite the fact that certain metal ions are essential for life, some are highly poisonous. For example, while zinc is essential for humans, as exemplified by its roles in carbonic anhydrase and liver alcohol dehydrogenase, its congeners, cadmium and mercury, are most toxic. Synthetic analogues, i.e. small molecules that mimic the structure and function of enzymes, provide an important means to afford insight into the natural systems. Tripodal ligands provide a means to obtain such analogues and the research described will focus on the application of tripodal ligands in the chemistry of zinc and mercury. In addition, these ligands provide access to novel hydride compounds of zinc and magnesium that are capable of a variety of catalytic transformations. For example, these catalysts are capable of functionalizing carbon dioxide, a transformation that is of particular interest considering that carbon dioxide is a ubiquitous and typically inert compound.

Date: Thursday, November 7, 2019

Times: Refreshments: 5:30 PM

Lecture: 6:00 PM

Place: Westchester Community College
Gateway Building Room 110
75 Grasslands Road
Valhalla, NY 10595

Cost: Free and Opened to the Public

For further information contact Paul Dillon

E-Mail PaulWDillon2@hotmail.com

Phone 1-914-393-6940

Inclement weather: The WCC information number for closures: 1-914-606-6900

RSVP: Appreciated but not necessary.



LONG ISLAND ACS 2019 FALL SEMINAR PROGRAM

NOVEMBER MEETING

Spatial and Temporal Variability of Nutrient Concentrations in Long Island Sound

Speaker: Dr. Paul Marchese
Professor of Physics
Queensborough Community
College

Abstract: Hypoxia is a problem that plagues many estuaries. Anthropogenic nutrients (in the form of Nitrates and Phosphates) from sources such as sewage treatment plants, agricultural fertilizers, and urban runoff are introduced into the water which results in excess algae growth. When the algae sink and decompose there is an increase in the demand for oxygen putting stress on the biology. This condition is exacerbated during the summer when solar heating and increased fresh summer melt result in lower water density at the surface; creating density stratification of the water column and preventing the ventilation of bottom waters. This study analyzed the spatial and temporal variability of nutrients in Long Island Sound. Nutrient concentrations are highly dependent on seasonal variability and density stratification. Since 1995, Nitrogen concentrations have decreased while Phosphorus has continued to increase affecting the chemical balance of the Sound.

Date: Thursday, November 7, 2019
Times: 6:00 PM to 8:00 PM
(Refreshments start at 5:30 PM)
Place: Queensborough Community
College, Science Building, S-112
222-05 56th Avenue
Queens, NY 11364
Cost: Dinner follows Seminar at a nearby
restaurant, \$25 per person)

<http://www.qcc.cuny.edu/about/getting-here.html> for directions.



LONG ISLAND ACS 2019 HOLIDAY DINNER

**Celebrating the International Year
of the Periodic Table (IYPT 2019)
"Mendeleev and the Periodic Table"**

Featured Speaker: Dr. Paris Svoronos
LIACS History
Committee Chair
Professor of Chemistry
Queensborough
Community College

Abstract The United Nations General Assembly and UNESCO have declared

2019 as the "International Year of the Periodic Table". Dmitri Mendeleev is considered to be the discoverer of the periodic trend of elements which he first declared in 1969. A historical upgrading of the table will be presented highlighting important element discoveries and the scientists associated with their isolation. The significance of Mendeleev's classification will be emphasized in view of the fact that many of the elements in the current table were not even known at the time.

Date: Thursday, December 5, 2019
Time: 6:00 PM to 8:00 PM
Place: Nassau Community College
CCB Building, Room 251/252
Garden City, NY

Directions: <https://www.ncc.edu/campuservices/parkingandsafety/mapanddirections.shtml>



LONG ISLAND ACS 2020 BOARD ELECTIONS

The LIACS will hold its 2020 Board Election on December 5, 2019 during the Holiday Dinner on December 5, 2019 from 6:00 PM – 8:00 PM at Nassau Community College, CCB Building Room 251/252. Nominations are open for the following positions: Chair Elect (2021), Directors-at-Large (2020-2021), and Treasurer (2020-2021). Please email your nominations to Ping Furlan (furlanp@usmma.edu) and Terry Brack (Terry.L.Brack@hofstra.edu) by **October 15, 2019**.



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NEW YORK SOCIETY FOR APPLIED SPECTROSCOPY (NYSAS) CELEBRATES STUDENT AWARD WINNERS!

By Debbie Peru

On July 13, 2019 from 5:00 PM - 8:00 PM, the NYSAS organization celebrated their student award winners at the annual celebration banquet. The banquet was held at Rutgers State University in the new Chemistry and Chemical Biology building on Bevier Road in Piscataway, NJ. This year we celebrated the accomplishments of three winners:

Graduate Award – Jing Li (SUNY Binghamton) Undergraduate Awards – Philip Charles (Rensselaer Polytechnic Institute) & Alexander Green (SUNY Fredonia)

The event featured entertainment by Josh Mark, a local guitarist/singer who did a great job at entertaining the group with contemporary rock tunes throughout the dinner portion of the meeting. A raffle was held midway through the event where a number of custom NYSAS USB drives and a power quality filter (i.e. surge protector) donated by ZeroSurge Inc. (ZeroSurge.com) was raffled off. The students brought posters of their work and there was plenty of opportunity to network with the students and guests. Debbie Peru was Master of Ceremony for the event and recognized the officers for their time and commitment to the organization. Mike Cutrera presented the students with a plaque and cash award. About 21 people attended the event included friends and family members of NYSAS. Everyone had a wonderful time.

Our next Regular meeting will be on October 30; see website for details www.nysas.org.



Mike Cutrera presenting Graduate Award to Jing Li (SUNY Binghamton)

(All photos courtesy of Nicholas Minadeo)



Mike Cutrera presenting Graduate Award to Philip Charles (Rensselaer Polytechnic Institute)



Josh Mark, Local Guitarist <https://www.facebook.com/joshuamark> music/



Jim Minadeo, President of Zero Surge Inc. donated one of their 8R15W power quality filters (i.e. surge protector est. value \$240) and Fran Adar of Horiba was the raffle winner.

Debbie conducted an officer recognition to the current officers and Committee Chairs, Howard Mark-Treasurer, Dana Garcia – Chair Elect, Mike Cutrera-Student Award Committee Chair, Gene Hall – Past President and Student Award Celebration host.



NEW YORK SECTION CONGRATULATES NEW ACS FELLOWS

The ACS, New York Section is very proud to be able to congratulate the two members of our section who are among the 70 new ACS Fellows announced in 2019. At the National Meeting in San Diego, Dr. Ping Furlan and Mr. Frank Romano were celebrated for their contributions to Science, their profession and to the ACS Community.



Dr. Ping Furlan

(United States Merchant Marine Academy)

Contribution to the Science/Profession:

Recognized for outstanding contributions to the field of material/analytical science and environmental chemistry. Author of many publications and recipient of many grants and awards: U.S. Maritime Team Award, Department of Transportation (2017) and Women in Transportation, DOT (2017); organizer of the International Conference on Emerging Trends in Materials Science and Nanotechnology (2019 NanoMat. Barcelona, Spain) and a guest editor on the Special Issue "Nanomaterials Applied in Water Treatments" of the Journal of Marine Science and Engineering, Ocean Engineering Section (2018-2019).

Contribution to the ACS Community:

Recognized for her impressive ACS volunteering activities on the Local, Regional and National levels where she served in various functions/offices; her extensive leadership experiences in directing numerous outreach events such as National Chemistry Week events; organizing STEM conferences, and serving as science journal editor and reviewer.



Mr. Frank Romano

(Agilent Technologies, Inc.)

Contribution to the Science/Profession:

Recognized for outstanding contributions to the field of analytical chemistry through his service as the Service, Sales and Support Delivery Manager and the Field Service Engineer in the metro NY area, and for many years of excellent support of Agilent's clients working in various fields such as: agriculture, cosmetics, diagnostics, education, energy, food, environmental, forensics, health, pharmaceuticals, toxicology, and research, just to mention a few.

Contribution to the ACS Community:

Recognized for his sustained service to the New York Local section and its members in various roles including Chair (2010), Treasurer and Councilor; served in multiple roles as a Long Island Subsection Officer; been actively involved in MARM and the Eastern Analytical Symposium organization serving in various capacities; great leader at the national ACS level serving at the Committee on Meetings and Expositions, Committee on Economic and Professional Affairs and CEPA Chair in 2019



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North Jersey Meetings

<http://www.njacs.org>

NORTH JERSEY EXECUTIVE COMMITTEE MEETING

Section officers, councilors, committee chairs, topical group chairs, and section event organizers meet regularly at the Executive Committee Meeting to discuss topics of importance to running the section and representing the membership.

All ACS members are welcome to attend this meeting and to become more involved in section activities.

Date: Monday, October 28, 2019

Time: 6:30 - 8:30 PM

Place: Merck-Kenilworth

2000 Galloping Hill Road, Bldg.15
Conference Room K-15-F1074
Kenilworth, NJ 07033

Members may attend through:

[JoinWebEx meeting](#)

Meeting number: 741 458 253

or:

Join by phone

+1 (443) 961-0100 US Toll

Access code: 741 458 253

For reservations please call NJACS secretary Bettyann Howson (973) 822-2575 or email chemphun@gmail.com or register online at <https://www.njacs.org> prior to **Wednesday, October 23, 2019.**



NoJ CELEBRATES CHEM EXPO 2019 DURING NATIONAL CHEMISTRY WEEK

Date: Saturday, October 19, 2019

For details, see flyers on pages 17-20.

Deadline for items to be included in the November 2019 issue of *The Indicator* is

September 28, 2019

ACS NORTH JERSEY SECTION 2019 BAEKELAND AWARD SYMPOSIUM

Date: Friday, November 15, 2019

For details, see flyer on page 16 and for even more information, see the November issue of The Indicator.


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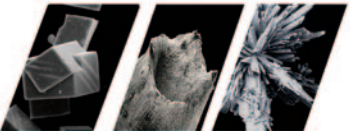
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Baekeland Award Symposium – North Jersey

American Chemical Society North Jersey Section 2019 Baekeland Award Symposium



Friday, November 15, 2019 • 1:00 pm – 6:00 pm
Fairleigh Dickinson University, Florham Campus, The Mansion, Lenfel Hall
285 Madison Avenue, Madison NJ 07940



The North Jersey Section of the American Chemical Society established the Baekeland Award in 1944 to commemorate the technical and industrial achievements of Leo Hendrik Baekeland and to encourage younger chemists to emulate his example. The award is presented biennially to a United States-based chemist under 40 years of age in recognition of accomplishments in pure or industrial chemistry, as characterized by the initiative, creativeness, leadership, and perseverance of the individual and indicated by published or unpublished evidence.

Agenda

- 1:00 Registration
- 1:30 **Welcome Address**
Dr Cecilia Marzabadi, *Baekeland Symposium Chair*
- 1:40 **Professor Sidney M. Hecht**
Protein Synthesis with Non-canonical Amino Acids In Vitro and In Vivo
- 2:20 **Professor Dinshaw Patel**
Structural Biology of CRISPR-Cas Surveillance Complexes
- 3:00 **Professor Amanda Garner**
Chemical Probing of Coding and Non-Coding RNA Biology
- 3:40 Break / Refreshments
- 4:10 **Professor James P. Collman**
From Theory to Practice: Invention of Reversible Respiration Inhibitors
- 4:50 **Baekeland Award Presentation**
Dr. Amjad Ali, *NJ-ACS Section Chair*
- 5:00 **Keynote: Professor Neal K. Devaraj**
Exploring the Lipid World
- 5:50 **Closing Remarks**
Dr. Les McQuire, *NJ-ACS Awards Chair*

Speakers



Neal K. Devaraj, PhD
Professor of Chemistry
University of California, San Diego
Keynote Speaker
2019 Baekeland Award Winner



Sidney M. Hecht, PhD
Director, Biodesign Institute for BioEnergetics
Professor, School of Molecular Sciences
Arizona State University



Dinshaw Patel, PhD
Professor and Abby Rockefeller Mauzé
Chair in Experimental Therapeutics
Memorial Sloan Kettering Cancer Center,
Sloan Kettering Institute



Amanda Garner, PhD
Assistant Professor of Medicinal Chemistry
College of Pharmacy,
University of Michigan



James P. Collman, PhD
George A. and Hilda M. Daubert
Professor of Chemistry, Emeritus
Stanford University



Registration Fee: \$15 professionals; \$5 students, retirees, unemployed
Online registration required by November 8, 2019 at www.njacs.org/baekeland due to limited seating.
Campus Directions: www.njacs.org/fdu-florham-directions

www.njacs.org

Questions? Contact Dr. Cecilia Marzabadi (cmarzabadi@njacs.org), Chair of the 2019 Baekeland Award Committee

Organizing Committee: Miriam Gulotta, Alan Cooper, Jackie Erickson, Marilyn Gorman, Amjad Ali, Bettyann Howson, Ron Kong, Diane Krone, Les McQuire, Bill Suits, Mohammed Elshaer, Paul Tukey

National Chemistry Week – North Jersey



ChemExpo 2019

at Liberty Science Center, Jersey City, New Jersey

on Saturday, October 19th, 2019

10:30 a.m. – 3 p.m.

*Chemistry Teams
from local colleges, high schools, and middle schools
are invited to join us
for a fun-filled day of hands-on science activities
based on the topic*



Participants/Contestants, volunteers, sponsors

For registration, please visit

<https://tinyurl.com/NJACSnw>

or

email: mitachaki@gmail.com or monicasekharan@gmail.com

*This family-friendly event for all ages
is included with general admission to the Liberty Science Center*

Calls for High School Students – North Jersey

ChemExpo 2019

At Liberty Science Center, Jersey City, New Jersey

10:30 am – 3 pm on Saturday, October 19, 2019

Call for High School Students



High School Chemistry Clubs of New Jersey are invited to participate at the exciting, fun-filled celebration of the National Chemistry Week – The 25th *ChemExpo*.

The high school groups are invited to take part in a competition. The high school group who presents the most exciting demonstration and/or hands-on activity pertaining to the theme, “Marvelous Metals”, and provides a clear explanation for the audience will be awarded a certificate and a cash prize. Depending on the number of schools entering and the quality of the presentations, we may add additional prizes.

The judges will use the Evaluation Criteria listed in the document named “*Judging Criteria*”. You may use this document to design your activity. For more information, visit <https://www.njacs.org/national-chemistry-week>. You may present more than one activity however we will judge you on only one activity of your choice.

Please join us as a presenter/contestant to make it an exciting, educational, and fun-filled event. Please register at <http://tiny.cc/NJACSchemeexpo2019> by October 1, 2019.

Sincerely,

ChemExpo 2019 Committee

Calls for College Students – North Jersey

ChemExpo 2019

At Liberty Science Center, Jersey City, New Jersey

10:30 am – 3 pm on Saturday, October 19, 2019

Call for College Students



ACS Student Chapters and Chemistry Clubs of colleges and universities of New Jersey are invited to participate at the exciting, fun-filled celebration of the National Chemistry Week – The 25th *ChemExpo*.

Like the past years, we will run a contest and *Sister Marian Jose Smith* Awards will be granted to the top two teams for presenting the most exciting demonstration and/or hands-on activity pertaining to the theme, “Marvelous Metals”, and providing a clear explanation for the audience. The judges will use the Evaluation Criteria listed in the document named “*Judging Criteria*”. You may use this document to design your activity for the contest. For more information, visit <https://www.njacs.org/national-chemistry-week>. You may design more than one activity however we will judge you on only one activity of your choice.

To minimize duplication of the presentations, please email us the list of activities that you/your team would like to present preferably by October 10th, 2019. Individuals contacting us first with their idea(s) will be given priority. Please be thorough in your presentation and explanations so that the visitors and/or students are able to redo these experiments at home and/or at school. Please register at <http://tiny.cc/NJACSchemeexpo2019> by October 1, 2019.

Sincerely,

ChemExpo 2019 Committee

Calls for Help – North Jersey



ChemExpo 2019

At Liberty Science Center, Jersey City, New Jersey
10:30 am – 3 pm on Saturday, October 19, 2019

Call for Help

To celebrate National Chemistry Week,
the North Jersey Section of ACS will be holding its 25th *ChemExpo*.

Please help us make a difference!

The theme for this year is



Join us to make this event a fun-filled day of hands-on science chemistry activities that will engage visitors in exploring the positive impacts of chemistry.

Please register at <http://tiny.cc/NJACSchemexpo2019>

The Section is most appreciative of your efforts.

Thanks a lot for your help.

Sincerely,

ChemExpo Committee

Call for Participation CLOSED – New York



International Year
of the Periodic Table
of Chemical Elements

New York Local Section of the American Chemical Society

Call for Participation

For Constructing a Giant 3D Periodic Table

<http://www.newyorkacs.org/meetings/IYPT/IYPT.php>

Dear Members of the New York Local Section of the ACS:

As we all know, 2019 marks the 150th anniversary of the Periodic Table of Chemical Elements and has therefore been proclaimed the International Year of the Periodic Table of Chemical Elements (IYPT2019).

To commemorate this historic year and pay tribute to the glorious discovery of the periodicity of the chemical elements, the New York Local Section will construct a giant three-dimensional Table, approximately 12ft x 10ft x 9ft in size. This large size Periodic Table will be displayed at the New York Hall of Science during the 2019 National Chemistry Week, in conjunction with our annual award-winning Chemistry Spectacular Hands-on Show that is set to take place on **Friday, October 18, 2019**.

As your Chair, it is my great pleasure to invite you to join the Section in this venture, exploring chemistry, conveying its importance to the public, and celebrating the legacy of science, discovery, innovation, and human collective endeavors in a most diversified and creative way. The Project is sponsored by the New York Local Section and the participation is **FREE**.

Please visit [newyorkacs.org](http://www.newyorkacs.org) to become a Project Participant by a) selecting an element, b) celebrating it with your original artwork, and c) submitting your design to display as part of the giant 3-D Periodic Table. **Please follow the Guidelines for Element Project Participants closely to help ensure Project success** (http://www.newyorkacs.org/meetings/IYPT/2019_IYPT_Guidelines.pdf).

Please Note the Important Dates:

- The Deadline for Element Selection: **Sunday, September 1, 2019, at 6:00 p.m.**
- The Deadline for Element Design Submission: **Saturday, September 21, 2019, at 6:00 p.m.**

Thank you very much.

Justyna Widera-Kalinowska, Ph.D.
2019 Chair
New York Local Section



New York Local Section of the ACS

IYPT Ad-Hoc Committee (IYPT@newyorkacs.org)

Ping Furlan, Paul Sideris, Joseph Wiener, Paris Svoronos, Neil Jespersen

Chair: Justyna Widera-Kalinowska

Treasurer: Frank Romano

Webmaster: Brian Gibney



ACS Local Section
New York

Calls for Sponsors – North Jersey



ChemExpo 2019

At Liberty Science Center, Jersey City, New Jersey

10:30 am – 3 pm on Saturday, October 19, 2019

Call for Sponsorship

To celebrate National Chemistry Week,
the North Jersey Section of ACS will be holding its 25th *ChemExpo*.

The theme for this year is



We are looking forward to financial support to help cover many of the expenses associated with the Section's NCW activities.

Please help us make a difference!

A donation of \$500.00 indicates Gold Sponsorship, a \$250.00 gift indicates Silver Sponsorship and a \$100.00 gift indicates a Bronze Sponsorship.

We would appreciate it if you would forward this information to the appropriate representatives within your company.

Checks should be made out to: "NJACS" (The North Jersey Section of American Chemical Society) with a memo of "NCW".

Sent to: **Jacqueline Erickson**
33 Ronald Road
Lake Hiawatha, NJ, 07034-1121.

The Section is most appreciative of your efforts.

Thanks a lot for your help.

ChemExpo Committee

Please email filled out sponsorship form to: Mita Chaki at mitachaki@gmail.com

Calls for Sponsors – North Jersey



ChemExpo 2019

At Liberty Science Center, Jersey City, New Jersey
10:30 am – 3 pm on Saturday, October 19, 2019

Sponsorship Form

Name of the Company:

My company would like to support these efforts at the _____ level.
(indicate gold, silver, or bronze)

An acknowledgement letter for this contribution should be sent to (Name of the company personnel) :

Email:

Full address:

Please email filled out sponsorship form to: Mita Chaki at mitachaki@gmail.com

Call for Sponsors – New York



International Year
of the Periodic Table
of Chemical Elements



New York Local Section of the American Chemical Society

National Chemistry Week Sponsorship Opportunities

For Constructing a Giant 3D Periodic Table

<http://www.newyorkacs.org/meetings/IYPT/IYPT.php>

The New York Local Section is joining the world-wide effort to celebrate the International Year of the Periodic Table in 2019 by constructing a giant three-dimensional Periodic Table for display at the New York Hall of Science (NYSCI). This Table, composed of 118 individual element panels designed by participants and approximately 12ft x 10ft x 10ft in size, pays tribute to the glorious discovery of the periodicity of the chemical elements and will be unveiled at the NYSCI, the Great Hall, on Friday, October 18, 2019 at 2:30 pm.

The Project brings thousands of Section members and affiliates together, representing 50+ research centers, universities, colleges, high schools, chemical companies, for-profit and nonprofit organizations, exploring chemistry, conveying its importance to the public, and celebrating the legacy of science, discovery, innovation, and human collective endeavors in a most diversified and creative way.

Your organization's generous financial sponsorship will enable a great success of our commemoration of this historic year, and the creation of memories and experiences that our participants will cherish for years to come. As shown in the table below, we offer various levels of sponsorship with associated benefits. *We hope you will become a Sponsor, especially prior to September 10, 2019 to ensure full benefits, by visiting <http://newyorkacs.org/>, and paying online via "Donate". Please indicate the "donation purpose" is for "IYPT Project" and notify us afterwards by emailing to IYPT@newyorkacs.org.* We look forward to your sponsorship and seeing your representatives this Fall at New York Hall of Science on October 18, 2019!

New York Section 2019 IYPT Sponsorship Levels and Benefits (Note: Please pay by September 10, 2019 to ensure full benefits)

Sponsorship Level	Fee	Benefits
Platinum	\$1,000	Plaque; Prominent Program, Event Site & Website Logo
Gold	\$500	Plaque; Prominent Program, Event Site & Website Logo
Silver	\$250	Certificate; Program, Event Site & Website Logo
Bronze	\$100	Certificate; Program, Event Site & Website Logo

New York Local Section of the ACS

IYPT Ad-Hoc Committee (IYPT@newyorkacs.org)

Ping Furlan, Paul Sideris, Joseph Wiener, Paris Svoronos, Neil Jespersen

Chair: Justyna Widera-Kalinowska

Treasurer: Frank Romano

Webmaster: Brian Gibney



ACS Local Section
New York

Call for Sponsors – New York



International Year
of the Periodic Table
of Chemical Elements



New York Local Section of the American Chemical Society

National Chemistry Week

Chemistry Spectacular Hands-on Show

– Marvelous Metals

Call for Sponsorship and Participation

When: *Sunday, October 20, 2019 (11 AM - 4 PM)*

Where: [New York Hall of Science \(NYSCI\)](#), Flushing, Queens

What: 40 tables of hands-on experiments, demonstrations, and giveaways. Special photo opportunities especially with a giant 3D Periodic Table constructed by NYACS.

Who: Last year, activities were presented by 250 volunteers and engaged more than 1,200 community youth and parents. Participants included some of the New York's most prestigious colleges, universities and industries and the Program has received multiple awards including the esteemed American Chemical Society ChemLuminary Award and the Partners for Progress and Prosperity Award.

During 2019's International Year of the Periodic Table, the New York Local Section will celebrate the National Chemistry Week (NCW) with its 2019 theme, "Marvelous Metals", and ***needs your help to make this year's celebration another success!*** If you and your organization are interested in participating in or sponsoring an activity table at the event, please visit the New York Section's NCW website at: http://www.newyorkacs.org/meetings/NCW/2019_ncw.php. The site also links to ***online registration, which will be closed on September 27, 2019.*** Additionally please visit <http://www.newyorkacs.org/meetings/IYPT/IYPT.php> and consider to be a participant and/or a sponsor to help the NYACS build the giant 3D Periodic Table which will be displayed at NYSCI during the NCW.

For more information about the NCW celebration in New York, please contact Dr. Ping Furlan (furlang@usmma.edu), Dr. Ivan Hyatt (hyatt@adelphi.edu), Joseph Wiener (Joseph.Wiener@PepsiCo.com), or Erin Wasserman (illustrated poem contest coordinator, ewasserman602z@gmail.com). We look forward to your participation and your organization's sponsorship as we celebrate the important roles chemistry plays in our everyday lives and how it can be FUN! Please include activities highlighting the yearly theme, "Marvelous Metals". Volunteers' parking at NYSCI is **FREE**.

You can also find additional information about NCW on the American Chemical Society's website at <https://www.acs.org/content/acs/en/education/outreach/ncw.html>.



Call for Nominations

COMMITTEE ON THE HISTORY OF THE NEW YORK SECTION

Over the past twenty-three years the New York Section has participated in the designation of seven National Historic Chemical Landmarks and four New York Section Historic Chemical Landmarks. A brief description of these National and local section landmarks may be found on the NY Section Home Page at <https://www.newyorkacs.org> under the Committee on the History of the NY Section. These landmark programs recognize achievements in the chemical sciences and related areas, in order to enhance public appreciation for the contributions of the chemical sciences to modern life.

Please consider making a nomination for an historic chemical landmark. The Committee on the History of the NY Section will consider all nominations. In addition to a particular achievement, an historic library, building or association may be worthy of this distinction.

Please send your nomination, with supporting documentation, to the Chair of the Committee, Dr. Neil Jespersen, at jespersn@stjohns.edu.

Please reach out to your members to consider sending recommendations for this award. All nominations must be submitted by the Division or Committee, after approval from the respective Chair.



2020 ESSELEN AWARD FOR CHEMISTRY IN THE PUBLIC INTEREST

The Northeastern Section of the American Chemical Society is pleased to invite nominations of worthy candidates for the Gustavus John Esselen Award for Chemistry in the Public Interest. This award recognizes a chemist for outstanding achievement in scientific and technical work that contributes to the public well-being. The award consists of a \$5000 prize and a medal of recognition. The presentation

takes place at an award ceremony in April at Harvard University, followed by a formal address by the awardee. The tentative date for this ceremony is April 16, 2020.

The award was established in 1987 to honor the memory of Gustavus John Esselen, a distinguished scientist, entrepreneur and member of the Northeastern Section. The first awardees were F. Sherwood Rowland and Mario J. Molina, who subsequently received the Nobel Prize. Since then, other Esselen Award recipients have also been Nobel awardees and many have been recipients of the most prestigious awards in their various fields.

Please note: any field of chemistry or affiliation is appropriate for consideration. The primary consideration of the committee is that the scientific work has been an important contribution to the public well-being and that the work's significant value to society has become apparent within the last five years or so.

Additional information is available at http://www.nesacs.org/awards_esselen.html.

The deadline for nominations is October 18, 2019.

Nominations shall include: 1) a letter signed by the primary sponsor with a description of the nominee's work recognized as making a major contribution to the public welfare and as communicating positive values of the chemical profession, plus the names of two co-sponsors; 2) short supporting co-sponsor statements; 3) the nominee's professional biography including a list of no more than ten of the nominee's publications selected for their pertinence to the work nominated for recognition; and 4) copies of popular and technical press news or feature articles indicative of public benefit and interest. Inquiries should be directed to Dr. John Macor, c/o Jeananne Piper Grady, 11 Thaxter Street, Hingham, MA 02043. All nomination material must be consolidated into a single electronic pdf file and e-mailed to john.macor@sanofi.com with a copy to JPiperGrady@gmail.com. **The due date is October 18, 2019.** Joint nominations are acceptable. The Committee will review the nominations and the award recipient will be notified by the first of February.

NORTH JERSEY SECTION



Do You Know of Someone in the North Jersey Section of ACS Who Should Be Recognized as an ACS Fellow?

The American Chemical Society (ACS) Fellows Program was created by the ACS Board of Directors in December 2008 to recognize members of ACS for outstanding achievements in and contributions to the science, the profession, and the Society. To learn more about the program go to www.acs.org/fellows.

The North Jersey Section of ACS has outstanding members who have made exceptional contributions to the science, or their profession and have provided excellent volunteer service to the ACS community. The section can nominate up to 9 of its members for this distinction. We are asking for your help in identifying these outstanding members of our section by filling out a short survey **by November 30, 2019**.

The survey can be found at <http://tinyurl.com/y4x4arwc>. Someone from the NJACS Awards Committee will contact you after we receive your nomination.

Call for Applications

ACS NEW YORK SECTION

www.NewYorkACS.org

Outstanding Four-Year University with Graduate School Chemistry Faculty Teaching Award

Purpose: To recognize, encourage and stimulate high quality teaching and research at four-year colleges and universities with graduate programs only within the New York Section of the American Chemical Society.

The nomination for this award includes:

1. Candidate's CV including list of publications, students' oral and poster presentations and other evidence of students' involvement.
2. Up to three letters of support from superiors, associates, or local section members evaluation the nominees achievements as a teacher.

These documents should demonstrate the candidate's

- a. Quality of teaching
- b. Research productivity
- c. Department/college service including course development work
- d. Ability to challenge and inspire students
- e. Awards

The nominations are due September 30th. The candidates need not be a member of the American Chemical Society. The Award committee of the New York Section will review the candidates and select the nominee. Unsuccessful candidate's files will be kept active for a period of three years. Any updating of the file will be welcomed. The award consists of a major award plaque and a one year regular ACS member dues with New York Local Section dues, and will be recognized at the NY ACS Sectionwide conference.

Send materials to Serafinj@stjohns.edu **by September 30, 2019**.

Outstanding Four-Year Undergraduate College and University Chemistry Faculty Teaching Award

Purpose: To recognize, encourage and stimulate high quality teaching and research at four-year colleges and universities with undergraduate programs ONLY within the New York Section of the American Chemical Society.

The nomination for this award includes:

1. Candidate's CV including list of publications, students' oral and poster presentations and other evidence of students' involvement.
2. Up to three letters of support from superiors, associates, or local section members evaluation the nominees achievements as a teacher.

These documents should demonstrate the candidate's

- a. Quality of teaching
- b. Research productivity
- c. Department/college service including course development work
- d. Ability to challenge and inspire students
- e. Awards

The nominations are due **September 30th**. The candidates need not be a member of the American Chemical Society.

(continued on page 28)

CALL FOR APPLICATIONS

(continued from page 27)

The Award committee of the New York Section will review the candidates and select the nominee. Unsuccessful candidate's files will be kept active for a period of three years. Any updating of the file will be welcomed. The award consists of a major award plaque and a one year regular ACS member dues with New York Local Section dues, and will be recognized at the NY ACS Sectionwide conference.

Send materials to Serafinj@stjohns.edu by September 30, 2019.

* * * * *

Outstanding Two-Year College Chemistry Teaching Award

Purpose: To recognize, encourage and stimulate high quality teaching and research at two-year colleges within the New York Section of the American Chemical Society.

The nomination for this award includes:

1. Candidate's CV including list of publications, students' oral and poster presentations and other evidence of students' involvement.
2. Up to three letters of support from superiors, associates, or local section members evaluation the nominees achievements as a teacher.

These documents should demonstrate the candidate's

- a. Quality of teaching
- b. Research productivity
- c. Department/college service including course development work
- d. Ability to challenge and inspire students
- e. Awards

The nominations are due September 30th. The candidates need not be a member of the American Chemical Society.

The Award committee of the New York Section will review the candidates and select the nominee. Unsuccessful candidate's files will be kept active for a period of three years. Any updating of the file will be welcomed. The award consists of a major award plaque and a one year regular ACS member dues with New York Local Section dues, and will be recognized at the NY ACS Sectionwide conference.

Send materials to Serafinj@stjohns.edu by September 30, 2019.

Call for Volunteers

OPPORTUNITY FOR ACS MEMBERS TO AID STUDENTS 2 SCIENCE IN A HYBRID VIRTUAL LAB PROGRAM

Can you spare a few hours of your time? Do you like working with students and would you like the opportunity to share your science knowledge in a classroom? Students 2Science (S2S) is seeking volunteers to support its V-Lab program. S2S has a series of elementary, middle, and high school experiments that run in various schools across New Jersey. Members are especially needed to mentor students in participating schools to help with experiments. It's great fun, a wonderful way to give back, and only requires 1-2 hours of your time. Experiments include CO₂ to the Rescue, Curious Crystals, Mystery of M&Ms, Thermochemistry: *Exothermic and Endothermic Chemical Reactions*, and *Glow it Up: The Chemistry of Luminol*. All are age-appropriate and volunteers are provided with instructions on how to support in the classroom prior to your scheduled volunteer day.

For more information, contact Cyndi Roberson, Director of Corporate Relations, at (973) 947-4880 ext. 516 or visit the website to register for the upcoming school year: <https://www.students2science.org>.



SEMINAR SPEAKERS WANTED

The New York Section of the ACS is in search of speakers that we can add to our Speakers Bureau database of interested local area speakers who are available for Section-wide seminars and symposia. If you have an area of research or interest that would provide an interesting talk appropriate for our Section members, and would like to be included in our Speakers Bureau, please contact the New York Section Office at (516) 883-7510 or send an email to njesper1@optonline.net with the following information that will be posted on the Section's website: your name, affiliation, a title, and 5-6 words briefly summarizing your area of specialty. We look forward to hearing from you about topics that you wish to share with our other members!