The North Jersey Section of the American Chemical Society Recognizes Its 2020 Fifty, Sixty and Seventy Year Members

See write-ups on pages 12-14.
In a recent column I briefly mentioned the chemist Fajans, and suggested he was worthy of a full column. So here it is. I start with a recollection of my university's inorganic chemistry course in the early 1950s. Sobering to reflect that was 70 years ago. In addition to hearing about crystal field theory, a brand new way of thinking about coordination compounds, we were taught Fajans’ rules. These rules indicate whether a bond between two atoms is likely to be covalent or ionic. Factors indicating ionic behavior include low positive charge; large cation; small anion. Covalence is indicated for high positive charge; small cations; and large anions. For example Al(III) and I- form aluminum iodide, which is likely to be covalent. Nowadays we talk about hard and soft acids and bases, but that is a re-statement of Fajans’ rules.

Now to the man himself. Kazimierz Fajans, known after he moved to the U.S.A. as Kasimir Fajans, was born in Warsaw in May 1887 to a Jewish family. At that time Poland had no independent identity, being partitioned between Germany and Russia. Fajans completed high school in Warsaw but studied chemistry at universities in Leipzig, Heidelberg, and Zurich where he earned his Ph.D. in 1909. He then moved to Manchester, England where he worked in Rutherford’s group and began research into radioactivity. Colleagues included Moseley and Soddy. He determined the half-lives of the isotopes in the decay series uranium-actinium and thorium. He returned to Karlsruhe, continuing radioactivity research, and in 1913 in collaboration with Goehring he discovered the new element protoactinium. Independently of, and simultaneously with, Soddy he announced the law of radioactive shifts that rationalizes the products of transmutation depending on the particles emitted during radioactivity.

In 1917 Fajans was called to Munich where he headed the faculty of Physical Chemistry. In 1932 a grant from the Rockefeller Foundation established the Institute of Physical Chemistry of which he was named Head. His work from 1919 on was concerned with crystal structure and theories of chemical bonding. He also did work on the thermodynamics of crystals; and adsorption. He discovered and applied adsorption indicators. It was in this inorganic chemistry context that he formulated the rules mentioned above in 1923. But by 1935 Fajans’ position became untenable because of his Jewish background. He left Germany; spent a short time in Cambridge, England; and then joined the faculty of the University of Michigan at Ann Arbor where he spent the rest of his career – and life. There was a cyclotron at the University and Fajans resumed work on isotopes discovering a new radioactive lead isotope, and a new isotope of rhenium. In 1959 he was named an honorary member of the Polish Chemical Society. Although he retired in 1957 he kept working, particularly on chemical bonding theory, until his death in 1975 at the age of 87.

Although we now remember Fajans for his law of radioactive change; his rules of inorganic bonding; and his work on thermodynamics of crystals he believed that his most important contribution to chemistry was the now almost forgotten quanticule theory. He developed this bonding theory in a series of talks and articles primarily from 1943 to 1949. The idea was first presented publicly at an ACS meeting in 1943. Molecules are constituted of nuclei and quanticules interacting electrostatically. A quanticule is a carefully defined group of electrons. To take the hydrogen molecule as a simple example it can be written as H+ (e-)2H+ where the two electron quanticule belongs to both atomic cores and the electrostatic repulsion of the two positively charged cores is overcome by the attractions between the cores and the quanticule. In a series of papers the theory was expanded to include not only inorganic compounds but also organic compounds.

Unfortunately for Fajans his timing was off. Chemists of the period were debating the rival claims of valence bond theory (Pauling) and molecular orbital theory (Mulliken) and paid little attention to quanticules. Fajans bonding theory still lies neglected and outside the main stream of chemistry. However the impressive positive contributions of Kasimir Fajans to chemistry mean that his name belongs in the pantheon of great chemists.

(For a more detailed examination of quanticule theory I recommend the article “Reception of Kasimir Fajans’s Quanticule Theory of the Chemical Bond; A Tragedy of a Scientist” by Jozef Hurwic in J. Chem. Educ. 1987, 64,2,122.)
May Calendar

**NEW YORK SECTION**

**Rescheduled date tbd**
New York Nanoscience Discussion Group  
See page 16.

**Fridays, June 5, September 11, November 13, 2020**
New York Section Board Meetings  
See page 15.

**Thursday-Friday, June 4-5, 2020**
Biochemical Topical Group  
See pages 16-17.

**Friday, October 23, 2020**
Nichols Symposium  
See pages 20-21, 34.

**NORTH JERSEY SECTION**

**Tuesday, May 12, 2020**  
(Dr. P. Jane Gale Event)
North Jersey Mass Spectrometry Discussion Group  
See page 5.

*also*

**Tuesdays, June 9, September 15, October 13, December 8, 2020**  
(Symposium/Vendor Show),
North Jersey Mass Spectrometry Discussion Group  
See page 5.

**Thursday, September 10, 2020**
North Jersey Drug Metabolism Discussion Group  
See page 6.

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To Comply With the Federal Regulations Regarding Social Distancing Necessitated by the COVID-19 Virus, it became imperative that the New York and North Jersey Sections cancel or postpone all Section Meetings for the month of April 2020.

Details of any relevant meetings will appear in the appropriate future issues of *The Indicator*.

Any May or June Meeting Notices announced in this May issue of *The Indicator* are subject to the extension of these same Social Distancing Regulations.
- North Jersey Meetings

https://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: Next meeting tba
Time: 6:30 - 8:30 PM
Place: Seton Hall University
       Jubilee Hall, Room 132
       400 South Orange Avenue
       South Orange, NJ 07079

To connect to the meeting remotely, please contact Cecilia Marzabadi at cecilia.marzabadi@gmail.com for information.

NoJ MASS SPECTROMETRY DISCUSSION GROUP

Special Event Meeting: “Celebrating Some of the Rich History and Community in Mass Spectrometry”

The NJMSDG is very pleased and excited this year to host a Special Event Meeting that highlights, as well as celebrates, some of the major events in the history of mass spectrometry. The event title will likely be shortened to simply ‘History Night’ as we welcome Dr. P. Jane Gale, the current ASMS Archivist/Historian, who will present ‘Decade by Decade: An Historical Review of Mass Spectrometry and ASMS in the Second Half of the 20th Century’. As Dr. Gale has often observed, “Community has been such an important part of our profession,” and our community is excited to have her return to NJ to share how ASMS is preserving and presenting the researchers, the instrumentation developments, and the scientific communities that have provided such a powerful analytical tool for our complex applications and most difficult research problems. We look forward to learning how ASMS captures and presents this rich story as Dr. Gale describes four broad topics covered by the ASMS history poster collection: 1) the History of ASMS, 2) Member Interactions and Giants in Mass Spectrometry, 3) the History of the Science of Mass Spectrometry and 4) the History of Commercialization and explores the evolution of the science and the Society over the last 70 years through a more in-depth look at the ASMS Anniversary posters.

As a little taste of our very own history, it should be noted that Dr. Gale was a member of NJMSDG during the time she lived in New Jersey. When she, joined in 1980, 40-50 attendees gathered each month at one of several locations, ranging in New Jersey geography from Princeton to Florham Park. With fellow NJMSDG member Dave Kemp, Dr. Gale co-chaired the group from 1981-1984 after the two tied in the election for the discussion group’s next leader.

Dr. Gale spent her career working in the field of mass spectrometry, first at RCA Laboratories in the Materials Characterization group and later at Bristol-Myers Squibb, where she oversaw the development of quantitative bioanalytical assays to support clinical trials. She subsequently served as chief operating officer at Virgin Instruments (now Simultof) and later as Director of Educational Services at Waters Corporation.

At our upcoming meeting, as we enjoy a time of fellowship and looking back over the historical development of mass spectrometers, we will also announce the winner of our contest for the submission of the ‘oldest working mass spectrometer’. Pictures and provenances can be sent to ghall@chem.rutgers.edu up to one (1) day before the meeting.

Kathleen Anderson
NJMSDG Director of Communications

Date: Next meeting tbd
Time: 5:30-7:00 PM - Social and dinner
       7:00 PM - Presentations start
Place: Somerville Elks Lodge
       375 Union Avenue
       Bridgewater NJ.

Future Dates:
   Tuesdays, June 9, September 15
   (Symposium/Vendor Show),
   October 13, December 8, 2020
   (2nd Tuesday each month)
Times and Place: As above.
NORTH JERSEY NMR TOPICAL GROUP

The NMR Topical Group held its February monthly seminar at Rutgers University in the Department of Chemistry and Chemical Biology. The meeting was started by Dr. Allen N. Jones, ISAAC Program Director, sharing with the audience the impact of Students 2 Science program on the middle and high school students, as well as different ways of participation in the volunteering activities. The main talk was given by Dr. Abby R. O’Connor, Associate Professor, Department of Chemistry, The College of New Jersey and illustrated her recent work on the evaluation of sulfonamide containing ligand scaffolds in catalytic base-free transfer hydrogenation. In her talk, Dr. O’Connor highlighted the impact of structural rigidity modifications in linkers, between the sulfonamide and pyridine moieties, on the ligand catalytic activity. Moreover, she introduced preliminary mechanistic and kinetic findings explaining as to why these systems operate under base-free conditions.
NORTH JERSEY WOMEN’S CHEMIST COMMITTEE — JOINT SESSION WITH EAS — MEETING OF NOVEMBER 18-20, 2019

Eastern Analytical Symposium and Exhibition
Princeton, NJ Nov 18-20, 2019

EAS Session: The Evolving Roles of Women in Science

Date: Wednesday, November 20, 2019
Venue: Crowne Plaza Princeton-900 Scudders Mill Road, Plainsboro, NJ
Register: easinc.org

Sponsors: North Jersey Women’s Chemist Committee in conjunction with the North Jersey American Chemical Society

Breakfast: 7:30am - 8:00am
Session: 8:30 am - 11:30am

| Keynote: From Lab to Leadership: The Journey of an Analytical Chemist | Caroline McGregor, PhD |
| Our Past and Bright Future | Susan Olesik, PhD |
| An Industrial Chemist’s Career: Expectations, Experiences, Opportunities and Surprises | Mary Ellen McNally, Ph.D |
| Intrinsic Values: A Career Odyssey | Susan Baker, PhD |
| Career Adventures: Aha Moments and the Joy of Navigating Two-way Streets | Adrienne Tymiak, PhD |

(continued on page 8)
North Jersey Women’s Chemist Committee (NJACS) and the Eastern Analytical Society (EAS) bonded together and hosted a four hour breakfast and lecture session on The Evolving Roles of Women in Science at the Eastern Analytical Symposium on November 19, 2019. This event showcased five very accomplished women in science representing disciplines from neuroscience to analytical chemistry and academic and industrial backgrounds. The diverse group represented women at various stages of their careers and gave attendees a chance to gain perspective from women relatively early in their careers to those after retirement.

Each scientist shared her personal experiences and the unexpected quantum leaps, and how she reacted enabling her to regain her work/life balance and adjust to a new equilibrium. Each presentation showed the audience why each speaker is considered an advocate for women in the chemical sciences left attendees with a positive message and offered mentorship to those who expressed need and interest after the session.

**From Lab to Leadership: The Journey of an Analytical Chemist**

Keynote Speaker:  Caroline McGregor, PhD

We are all shaped by our decisions and molded by our environment. In her talk, Caroline shared her own career journey as an analytical chemist, discussing how self-awareness, authenticity, and a willingness to take different roles and make some tough choices along the way have allowed her to move from the lab to leadership, and to learn, to grow, and experience every day why she chose chemistry: to deliver science that helps people.

She shared her personal struggles overcoming the negative perceptions and challenges she faced as an introvert and how she over them and found a way to “be heard”. She also shared ways in which we all could communicate better with each other create more positive or effective interactions.

Caroline McGregor is Vice President, Analytical Research & Development at Merck. She has been a scientist and leader at Merck Research Laboratories for 18 years, first as an Analytical Development and Preformulation Scientist in the United Kingdom before relocating to the United States.

**Career Adventures: Aha Moments and the Joy of Navigating Two-Way Streets**

Speaker:  Adrienne Tymiak  
Science and Technology Advisor  
Retired BioPharma R&D Executive from Bristol-Myers Squibb

Adrienne Tymiak is the former Executive Director of the Bioanalytical and Discovery Analytical Sciences department at Bristol-Myers Squibb. With degrees in Biochemistry, Chemical Oceanography and Organic Chemistry, she began her career as a natural products chemist in drug discovery. Today, Adrienne serves as a technology advisor for industry and academia, as a board member for nonprofit organizations serving youth (Hitops and Collective Success Network), and as a mentor for early career scientists and future leaders.

As a first-generation scientist, Adrienne had little in the way of role models. As a result, her career in the pharmaceutical industry took twists and turns and benefited from some luck along the way. She shared that throughout her career journey, she followed her interests, practiced the discipline of continuous learning and used her unique talents to make a difference.

In her case, the skills she developed while cooking, playing volleyball and beachcombing also applied in the professional setting and boosted her problem solving and logistical, technical and people skills. She shared that as her career unfolded, she continued to reflect on her circumstances and redirected her career based on personal insights and aha moments.
Once she became the leader of a multi-site research team, she could see that every scientist offered unique superpowers. She also saw that diverse teams that worked together with open communications, coordination of efforts and cooperation were more innovative and efficient and had more fun in the process! Now, as an adviser for industry and academia and as a mentor for next generation leaders, She appreciates that each professional interaction is a “two-way street” where a scientist can both give and receive insights regardless of their career stage. Her talk drew upon her personal experiences and observations to reflect on the evolving role of women in science and the joy and potential rewards of actively navigating “two-way streets” throughout one’s career.

Our Past and Our Bright Future

Speaker: Susan Olesik
The Ohio State University,
Department of Chemistry and Biochemistry

The proportion of women in Analytical Chemistry continues to increase in industry and academia. Susan’s talk included data highlighting changes that have occurred in number of women analytical chemists. She shared that while the numbers of women analytical chemists have increased, the progress has been slow but nonetheless progress continues. As we look back, on how progress has occurred to facilitate the increasing numbers of women analytical chemistry, it becomes clear that Analytical Chemistry has its own “hidden figures” who made substantial discoveries to move our science forward. In addition, many of these women provided mentoring and career assistance that assisted others in joining the field and advancing into leadership positions. Taking note of the impact of these individuals, next the unique science of a few of our current leading female analytical chemists are described with illustrations of their accomplishments in the lab as well as their impact in assisting the next generation of women chemists. Finally, to the complete the presentation, she shared examples of significant science that current analytical chemists need to address to define a bright future to next generation.

Dr. Olesik received her A.S. from Vincennes University B.A. from DePauw University and her Ph.D. from the University of Wisconsin-Madison, under the auspices of James W. Taylor in field of analytical mass spectrometry. After that she became a faculty member at The Ohio State University. She is currently the Dow Professor and Chair of the Department of Chemistry and Biochemistry. She continues as the Director of the Ohio House of Science and Engineering (OHSE), a K-16 science outreach center.

An Industrial Chemist’s Career: Expectations, Experiences, Opportunities and Surprises

Speaker: Mary Ellen McNally
FMC Agricultural Solutions, Stine Research Center

Mary Ellen’s talk shared that being a woman in science is no longer a rare occurrence but there are still times when you will find yourself as the only woman in the room. In her presentation, she shared her career experiences in long term technical and managerial roles, career choices and opportunities via a career roadmap.

She discussed her career road maps explaining the detours, as well as via personal experiences how to make opportunities that might not be at first glance the best fit, into roles you desire.

The audience take away was that although expectations are sometimes overturned because of circumstances, the unplanned alternate experiences can be more rewarding and rewarded. Discussions on planning your day to account for all your interactions, scheduled and unscheduled and how to make the most from both are included. This is an overview of decisions to be made that will help you focus the direction of your career as a woman scientist.

Dr. McNally is a Global R&D Fellow at the Stine Research Center for FMC Corporation. Mary Ellen was employed by Du Pont for 33 years before joining FMC. McNally has led teams on New Emerging Technologies and a team of inter-disciplinary scientists from three universities (continued on page 10)
and DuPont on a NSF GOALI project. Dr. McNally was named to the Analytical Scientist Power List, as one of the Top 50 most influential women in the analytical sciences.

Intrinsic Values: A Career Odyssey

Speaker: Susan Baker
Janssen R&D

Susan had a more analytical approach and shared that when most of us choose a field and begin our education, we have the intention to pursue a career in our direct area of study. Many of us, including myself, ultimately land in a vocation that is quite different from where we started or even far outside our training. In retrospect, careers are often shaped more significantly by our intrinsic values than our training. Synergy may or not exist between the two. Our intrinsic values interact with evolving extrinsic political, social, and corporate cultures at key points in our career development. The outcomes are often additionally shaped by traditional privilege and bias categories such as age, gender, and race. Bias categories are subject to, in principle, laws and policies which also evolve. Culture and privilege have historically made it difficult for women and other demographic groups to succeed in science, technology, engineering and math (STEM) fields. While the environment is changing, difficulties still exist. From conversations with others, self-education, and her own experiences, she shared insights she has learned along the way.

Dr. Susan Baker is currently a Director at Janssen R&D with over 25 years’ experience in scientific research and management predominantly in the Pharmaceutical sector.
INVITATION TO JOIN THE NORTH JERSEY WOMEN CHEMISTS’ COMMITTEE

The next proposed event is at the MARM on June 12th. We have a 90 minute slot to do with as we will.

Theme: “Continuing with the Evolving Roles of Women in Science”

Proposals:
1. 1-2 lectures (20-30) minutes, then networking
2. Speaker blitz (7-8 presenters), 3 slides each then networking session
3. Panel discussion 3-5 panelists then networking session
4. Open to other possibilities

Potential Events will be as follows and I will be sending out a survey to see which events are the favorites.

- Wine — A Sensory Adventure
- Chocolate — Chemistry Can Be Addictive
- Beer — What’s Hopp-ening?
- Pottery — The Chemistry of Glaze
- Gastronomy or Food Event?
- National Chemistry Week
- Chem Expo
- Make your own make-up/candle/soap
- What’s That Smell? Science of Fragrance? Help you pick your signature scent

1. WINE: A SENSORY ADVENTURE — WCC REACTIVATION EVENT.
   Was done in 2018 and very well received.
   a. This event will feature Kelly Jones the founder of Kelly&Jones where she will share her inspirational story and her curated fragrance wine creations and pair them with wine. Kelly has been featured in Food and Wine magazine and on the Food Network. Her unique perspective on wine takes away the stuffiness for wine beginners while taking the game up a notch for the experienced wine connoisseur.
   b. $35-45 includes wine, light food, dessert and gift.

2. Chocolate Event: webinars available
3. Joint event with YCC for mentorship
5. Brewery Event: more webinars
6. Cooking Class?
7. Chem Expo Event

Lauren Castelli
ACS North Jersey Women Chemist Committee Chair
formulatornova@yahoo.com
908-892-9893
Congratulations and thank you for your dedication and your contributions to the Society.

50 Year Members
Dr. Walter G. Blenderman
Mr. Angelo Matthew Diana
Dr. Gail D. Mulligan Disalvo
Dr. Elizabeth K. Drenchko
Mr. Thomas Allan Farrington
Mr. Michael Philip Friedberger
Mr. Robert Rhoades Goodrich, Jr.
Dr. Randolph Louis Greasham
Dr. Ravindra Nath Guthikonda
Mr. Adel Hanna
Mr. Steven James Hildebrandt
Dr. Raymond Walter Kosley, Jr.
Mr. Karl Lifschitz
Dr. Percy Sarwood Manchand

Dr. Marshall J. Margolis
Dr. Shashank Shamrao Nadgauda
Dr. David V. Petrocine
Mr. Albert L. Sharpouse, Jr.
Dr. Irwin Bruce Silverstein
Dr. John Charles Tomesch
Dr. Kenneth Edwin Voss
Dr. Terry A. Woodruff

60 Year Members
Mr. Ira Altman
Mr. Arthur Anton
Mr. Errol A. Bornn
Dr. George L. Cohen
Ms. Jo-Ann Danzis
Mr. Joseph P. Di Geronimo
Dr. Richard Lee Easterday
Mr. Gabriel D. Golam
Dr. Edward Joseph John Grabowski
Dr. Chun Yen Lai
Dr. Seymour D. Levine
Mr. Joel H. Levy
Dr. Robert A. Moss
Mr. John V. Pascale
Mr. Joseph Carl Pisciotta

Mr. Robert J. Puchalski
Dr. Robert J. Rebhahn
Dr. Allan Herbert Rosenberg
Mr. Francisco N. Santacana
Mr. Edward J. Schurdak
Dr. Philip T. Smith
Dr. Henry C. Stober
Dr. Philip Frank Wolf

70 Year Members
Dr. Irwin L. Adler
Dr. Norbert M. Bikales
Mr. Henry L. Bikofsky
Dr. Herman Burwasser
Mr. William J. Conradi
Mr. Isadore Nathan Cooperman
Dr. William J. Craven
Dr. Simon Frank
Dr. Fred H. Kant
Mr. Harry S. Katz
Dr. Joseph Matthew Kelley, Jr.
Dr. Richard L. Kronenthal
Mr. John Paul Olatta

THE NORTH JERSEY SECTION RECOGNIZES ITS 2020 FIFTY, SIXTY AND SEVENTY YEAR MEMBERS

The North Jersey Section of the American Chemical Society wishes its Fifty, Sixty, and Seventy Year Members a Happy Anniversary! Through the years, these members have been “improving peoples lives through the transforming power of chemistry.” Their diligence and dedication to the science are an inspiration to us all. Below, please enjoy reading about the sensational careers and interests of nine of our honorees. Be on the lookout for more information from other honorees in future issues of The Indicator.

Dr. Walter G. Blenderman joined the American Chemical Society during his senior year at the University of Delaware. He did his graduate work with Prof. Madeleine M. Joullié at the University of Pennsylvania on Birch reductions of thiophene compounds and received his Ph. D. in the fall of 1981. He started working in the Medical Research Division of American Cyanamid (Lederle Labs) in late 1981, at their Bound Brook facility, in the process development group. In 1992 Cyanamid closed the Bound Brook location and relocated to the Lederle Labs location in Pearl River, New York. American Home Products (AHP) bought Cyanamid in 1994. The pharmaceutical arm of AHP was Wyeth-Ayerst. AHP eventually sold off all its business lines except the pharmaceuticals, which then became known as simply Wyeth. An adverse business climate led Wyeth to downsize in late 2002. Walter then participated in New Jersey’s alternate route program for teacher training and accepted a position teaching chemistry and physical science at North Plainfield High School. Walter taught there for eight years, including three in which he taught Advanced Placement Chemistry. He retired from teaching at the end of the 2010/11 school year. Since then Walter has spent most of his time on two principle hobbies: bird-
ing, including an annual hawk migration count at Chimney Rock in Martinsville, and genealogy, where he has been able to trace his ancestors back as far as 17th century Germany, Plymouth, Massachusetts (sadly, not to the Mayflower, but the Fortune, the 2nd ship in 1621), and further back in England as far as the 14th century. A 10-month-old grandson now occupies a good bit Walter’s and his wife’s time.

**Dr George L. Cohen** was introduced to the use of a computer in the chemistry lab by his mentor, Dr. Milton Kerker at Clarkson College (now University). George’s career spanned from 1962 until 2008, during which time he was able to innovate lab data acquisition, develop formulation database storage and teach short courses in laboratory computer use years before it became ubiquitous.

**Dr. Edward Grabowski** retired as Vice President of Chemistry (Process Research) in 2004 from the Merck Research Laboratories, a Division of Merck & Company, Inc. in Rahway, NJ after almost thirty-nine years of service. He graduated with a B.Sc. in chemistry from the Massachusetts Institute of Technology in 1961 and received his Ph.D. in Organic Chemistry from the University of Rochester in 1965. He then joined the Process Research Department at the Merck Research Labs. His chemical contributions are reflected in the manufacturing processes for the following Merck drugs: AGGRASTAT®, CLINORIL®, FOSAMAX®, PRIMAXIN®, PROSCAR®, STOCRIN®, and SITIGLIPTIN®. He served on the Editorial Board for Organic Synthesis, the Advisory Board for the ACS Petroleum Research Fund and the Advisory Board for the NSF’s CENTC Program. He also served a six-year term as Chair of the ACS PRF. In retirement he has been a consultant in chemical development, and presented a short course on such for the ACS. Dr. Grabowski is a co-author on approximately 100 research papers and reviews, a co-inventor on more than 50 US patents, and has presented over 150 invited lectures at symposia and universities over the years. In 2001 he received the Award for Lifetime Scientific Achievement from the North Jersey Section of the American Chemical Society and was the Devon W. Meek Lecturer in Chemistry at the Ohio State University. In 2005 he was the Lambert Lecturer at Boston University and the Organic Synthesis Lecturer at the University of Illinois, and received the Distinguished Scholar Award from the University of Rochester in May of 2005. His non-chemistry pursuits include a serious interest in classical music, and the philately and postal history of the French Colonial Empire. Relative to the latter, he was elected to membership in the Académie de la Philatélie in France in July of 1999. He met his wife Lenore Rampino in high school junior year English class while she read the part of Emily and he that of George in Thornton Wilder’s Our Town. They were married in 1961 and have one son, David Grabowski, who has expressed a serious passion for skydiving and its related activities in addition to an interest in computer engineering.

**Dr. Randolph L. Greasham** is an independent consultant, specializing in Fermentation Process Research and Development for biologics and secondary metabolites. After receiving his Ph. D. degree in microbiology from Hahnemann Medical College, he joined the Biochemical Engineering Department at MIT as a Postdoctoral Fellow. In 1972, he joined the Fermentation Group at International Minerals and Chemical Corporation, and after ten years, he joined Merck & Co. as Director of Bioprocess R&D. After retiring from Merck in 2004, he began consulting worldwide. During the last seven years, the lion’s share of his consulting has been with Scynexis & Co., developing an antifungal drug candidate. Randy has authored/co-authored more than sixty-five papers in fermentation microbiology/biochemistry and biocatalysis.

(continued on page 14)
NoJ 50, 60, AND 70 YEAR MEMBERS
(continued from page 13)

Born in Brooklyn, NY, Dr. Seymour D. Levine received a B.Sc. in Pharmacy from Brooklyn College of Pharmacy and a Ph.D. in Pharmaceutical Chemistry from the University of Wisconsin, School of Pharmacy. He began his career at The Squibb Institute for Medical Research, well before it became Bristol Myers Squibb, and worked on steroids, non-steroidal anti-inflammatory agents and the synthesis of secretin. He rose to the position of Director of Chemical Development. Sy then joined Ortho Pharmaceutical Corporation, a JNJ company, as Director of Chemical Research. His seminal work was leading the group that isolated and identified the structure of zoapatanol, the novel oxepane diterpenoid, and synthesized it. He retired from JNJ as Executive Director of Research Services. He then joined Garden State Nutritionals, a division of Vitaquest International, as Vice President of Scientific Affairs. For many years Sy has been active with volunteer work for the Multiple Sclerosis Society. For eighteen years he participated in a 173 mile charity bike ride for the Society, that started in Sandy Hook and ended in Cape May, and for five of those years he was the leading fund raiser. The NJ Multiple Sclerosis Society honored him for his dedication at a luncheon. His hobbies include swimming and reading. He and his wife, Susan, have three children and five grandchildren.

Mr. John V. Pascale graduated with a masters in organic chemistry from Stevens Institute of Technology. He worked as a chemist at Allied Chemical Corporation and International Flavors and Fragrances, where he was cited in numerous patents and wrote a number of scientific papers, one of which was the structure elucidation and synthesis of the lachmatory factor in onions. He became a member of the American Society of Perfumers, where he served as president. John created a number of nationally known fragrances over a 50 year career. John is currently a master perfumer at Phoenix Fragrances. Perfumery continues to be his passion and his hobby, and he continues to work as a perfumer three days a week. Other hobbies are playing golf, traveling around the world and reading.

Dr. Irwin Bruce Silverstein is president of IBS Consulting in Quality, LLC. He worked in R&D at M&T Chemicals and GAF and then moved to Quality. After leaving industry, he has consulted on Quality and Regulatory requirements for excipient ingredients. He has also worked on the development of guidelines and the American National Standard for excipient GMPs. Along with consulting, Irwin is an auditor for the USP Dietary Supplement Verification Program.

Dr. Kenneth Edwin Voss received a B. S. in Chemistry from the University of Nebraska, Lincoln in 1969, and a Ph. D. in Inorganic Chemistry from the University of Kansas, Lawrence in 1974. He was a Postdoctoral Fellow at Iowa State University in Ames, IA from 1974-1976. Kenneth joined Engelhard Corporation, which is now BASF, R&D in Iselin, NJ in 1976 and retired from BASF as Senior Principle Scientist in December 2019. His initial work at Engelhard was in New Business Research covering areas such as sulfur adsorbents for coal combustion and intermediate strength proppants for oil recovery in wells. Focus shifted to development of emissions control catalysts for Diesel engines in 1989 and continued at BASF until his retirement at the end of 2019. He is inventor/co-inventor of over 30 US patents and numerous foreign patents. In 2018 the Research and Development Council of New Jersey recognized Kenneth, co-inventor of US patent 9,333,490 with the prestigious Thomas Alva Edison Patent Award for outstanding environmental contributions.
New York Meetings

https://www.newyorkacs.org

ACS, NEW YORK SECTION
BOARD OF DIRECTORS

MEETING DATES FOR 2020

The dates for the Board of Directors Meetings of the ACS New York Section for 2020 were 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 Bernadette Taylor at btaylor@NewYorkACS.org or by calling the Section office at (732) 770-7324.

Dates of the meetings for 2020 are posted on the New York Section website at https://www.newyorkacs.org below, and monthly in The Indicator. Dr. Ruben Savizky 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 dates for 2020 are:

Friday, June 5
Friday, September 11
Friday, October 23 (Nichols Symposium)
Friday, November 13

All meetings will take place at Cooper Union, 41 Cooper Square, New York NY 10003. The Nichols Symposium will be held at the Crowne Plaza Hotel, White Plains, NY.

Directions http://cooper.edu/admissions/visit/location-and-directions

WESTCHESTER CHEMICAL SOCIETY

With regrets, the Westchester Chemical Society has cancelled and, is hopefully just postponing, its Science Cafe that had been scheduled for March 18, 2020 at the Stone Manor Restaurant in Hawthorne, NY. The discussion leader was to have been Monona Rossol and the topic was “Safety, Fire, and Chemical Hazards in Special Effects”. A rescheduled date is yet to be determined.

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

The 22nd Annual Student Research Symposium

The Hudson-Bergen Chemical Society and the School of Natural Sciences of Fairleigh Dickinson University announce that The 22nd Annual Student Research Symposium scheduled for April 24, 2020 was postponed to the fall of 2020 (date to be announced).

NY ACS METRO WOMEN CHEMISTS’ COMMITTEE

Opening Up the Envelope: Reading Out Mysterious Membrane Machinery in the Human Pathogen Mycobacterium Tuberculosis

The April 29, 2020 meeting has been postponed until a future date is determined.

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

(continued on page 16)
EMPLOYMENT AND PROFESSIONAL RELATIONS COMMITTEE OF THE NEW YORK SECTION
(continued on page 15)

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.

NEW YORK NANOSCIENCE DISCUSSION GROUP

Hosted by the New York University Department of Chemistry

Speakers to be announced.

The NYNDG is an ACS Topical Group that meets in the New York University Department of Chemistry. Sessions feature three 30-minute presentations on nanoscience, one each with strong orientation in biology, chemistry, and physics/applied mathematics. Presentations will be focused on discussion of recent work, although speakers will place the work in a context understandable to a broad audience.

Date: Rescheduled date tbd
Times: Refreshments at 7:00 PM
       Science at 7:30 PM
Place: NYU Silver Center
       Room 1003 (10th floor)
       31 Washington Place
       New York, NY

Topical Group Page
https://www.newyorkacs.org/grp_nanotech.php

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

Phenotypic Drug Discovery: Leveraging Computational Tools

Organizers:
Kira A. Armacost, PhD
Merck
Timothy J. Cardozo, MD, PhD
New York University
Ye Che, PhD
Pfizer
Paul A Clemons, PhD
Broad Institute of MIT and Harvard
Guanglei Cui, PhD
GlaxoSmithKline
Olivier Elemento, PhD
Weill Cornell Medical College
Adam Gilbert, PhD
Pfizer
Susan Pieniazek, PhD
Bristol Myers Squibb
Marie-Claire Peakman, PhD
Pfizer
Marco Prunotto, PhD
Roche
Alison Carley, PhD
The New York Academy of Sciences
Sonya Dougal, PhD
The New York Academy of Sciences
Keynote: Michael A White, PhD
Pfizer
Olga Troyanskaya, PhD
Princeton University

Speakers:
Andrea Califano, PhD
Columbia University
Yolanda Chong, PhD
Recursion Pharmaceuticals
Paul A Clemons, PhD
Broad Institute of MIT and Harvard
Olivier Elemento, PhD
Weill Cornell Medical College
Johannes M. Freudenberg, PhD
GlaxoSmithKline
Jennifer Fuller
GeneCentrix Inc
Rajarshi Guha, PhD
Vertex Pharmaceuticals
Traver Hart, PhD, MD
Anderson Cancer Center
Wengong Jin
Massachusetts Institute of Technology
Michael Keiser, PhD
University of California, San Francisco
Elizabeth McMillan, PhD
Pfizer
Nicholas Tatonetti, PhD
Columbia University
Bridget Wagner, PhD
Broad Institute of MIT and Harvard
Anne Mai Wassermann, PhD
Bayer

Explore the current state of computational methods used in phenotypic screening and novel in-silico approaches, and including discussions of deep learning, AI, functional genomics, chemical screening, systems biology, target deconvolution, biomarkers, and toxicity.

Date: Thursday-Friday, June 4-5, 2020
Time: June 4, 11 AM – 4:45 PM (ET),
June 5, 11 AM – 4:15 PM (ET)
Place: Webinar
Cost: ACS and Academy members save $30 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/Phenotypic2020
To become a Member of the Academy, visit
nyas.org/become-a-member/
LIACS 2020 SPRING SEMINAR PROGRAM

On the Thursday evening of February 6, 2020, the LIACS had the honor of having Dr. Qu Wang visit us and deliver the monthly LIACS seminar. Fifty-one LIACS members and affiliates enjoyed the enriching and enlightening evening as Dr. Wang shared many of the exciting findings of her research on Understanding Neuro-degeneration and Nanostructures using Synchrotron Views of Transition Elements done at Brookhaven National Lab. Dr. Wang was very engaging in her presentation as she answered questions from the participants about her research. Dr. Wang received a Ph.D. in Chemistry from the University of North Texas and is currently a faculty at Nassau Community College. She was also a research scientist at Brookhaven Lab and has published over seventy papers.

Our special thanks also go to the Queensborough Community College (QCC) Chemistry Department and the following Student Clubs for supporting the Seminar Program and for providing refreshments: STEM Academy, Chemistry Club, QCC Affiliates of the ACS, STEM Research Alliance, Student Health Club, Biology Club, STEM Research Club, and Environmental Sustainability Club. Several attendees went out to a Maria’s restaurant and presented her with a Nobel Prize replication gold coin award plaque for the many years of hospitable service they provided to the LIACS chapter. The Nobel Prize replication gold coin was designed and printed by Dr. James Garofalo of the U.S. Merchant Marine Academy in Kings Point, NY.
On February 12, 2020 Dr. Weiqiang Chen, Ph.D. spoke on “Microengineered Biomaterials and Biosystems for Cancer and Immunoengineering.” Dr. Chen is an Assistant Professor in the Departments of Biomedical, Mechanical and Aerospace Engineering at New York University, New York, NY. He received his B.S. in Physics from Nanjing University in 2005 and M.S. degrees from Shanghai Jiao Tong University in 2008 and Purdue University in 2009, both in Electrical Engineering. He earned his Ph.D. degree in Mechanical Engineering from the University of Michigan in 2014. He is the recipient of the Biomedical Engineering Society Young Innovator Award of Cellular and Molecular Bioengineering (2019), the Chroma Young Investigator Award in Biomedical Engineering (2019), the Lab on a Chip Emerging Investigator Award (2018), the National Institute of Biomedical Imaging and Bioengineering Trailblazer Award (2018), the NYU Whitehead Fellowship in Biomedical and Biological Sciences (2017), the Goddard Junior Faculty Award (2017), the American Heart Association Scientist Development Award (2016), the Baxter Young Investigator Award (2013). Dr. Chen’s research interests focus on Lab-on-a-Chip, biomaterials, analytical chemistry, cell mechanobiology, stem cell biology, cancer biology, and immune engineering.

His talk dealt with the use of lab-on-a-chip systems. These take advantage of state-of-the-art micro/nanotechnologies, and use functional biomaterials and integrated analytical systems. They allow us to address important problems in fundamental biology as well as clinical applications in cancer diagnosis, treatment, and even personalized medicine. As examples, he discussed microfluidic lab-on-a-chip systems for capture and analysis of immune cells as well as rare circulating tumor cells for cancer diagnosis. He illustrated this with his microfluidics-based organotypic leukemia and glioblastoma brain tumor models to screen new cancer immunotherapies by reconstituting key cellular and immune interactions from in vivo microenvironments. Specifically, he showed cellular bone marrow and brain environments on a chip, including videos of CAR-T Cells attacking and destroying leukemia cells. CAR-T Cells are immune system T cells conjugated with Chimeric Antigen Receptors (i.e., receptors for antigens found on the surface of cancer cells). These allow the T cell to specifically attach to and destroy the corresponding cancer cell. There was discussion and questions both during and after the talk. Several members of the WCS board of directors (Dr. Peter Corfield, Dr. Paul Dillon, Mr. Jason Poland and Ms. Kay Whiten) attended Dr. Chen’s talk, which was held at the Westchester Community College in Valhalla, NY. The photo below is of Dr. Chen and the WCS board members who attended the talk.

Kay Whien, Peter Corfield, Jason Poland, Weiqiang Chen and Paul Dillon.  
(Photo courtesy of Paul Dillon)
Date: Friday, October 23, 2020
Place: Crowne Plaza Hotel, White Plains, NY

WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM
“NANOSTRUCTURED POLYMERS BY MOLECULAR ENGINEERING USING ATRP”

HONORING: PROFESSOR KRZYSZTOF MATYJASZEWSKI

Date changed due to COVID-19 Virus. See explanation on page 34.

PROGRAM

1:00 PM Welcome  
Professor Ruben M. Savizky
2020 Chair, ACS New York Section, The Cooper Union

1:05 PM Opening of the Distinguished Symposium  
Professor Rita K. Upmacis
2020 Chair-elect, ACS New York Section, Pace University

1:15 PM Polymer-Enhanced Biology  
Professor Alan J. Russell
Department of Chemical Engineering, Carnegie Mellon University
The growth of polymers from the surface of proteins has opened the door to tuning and supplementing protein function by rational design. Protein-polymer conjugates are synthesized from pure starting materials and the struggle to separate conjugates from polymer, native protein, and from isomers has vexed scientists for decades. We have discovered that covalent polymer attachment has a transformational effect on protein solubility in salt solutions. Charged polymers increase conjugate solubility in ammonium sulfate and completely prevent precipitation even at 100% saturation. This transformational impact on protein solubility can be used to simply purify mixtures of conjugates and native proteins into single species. Increasing protein solubility in salt solutions through polymer conjugation could lead to many new applications of protein-polymer conjugates.

2:00 p.m. Responsive Materials from Dynamic Bonds  
Professor Brent S. Sumerlin
Department of Chemistry, University of Florida
By relying on a variety of reversible covalent reactions that lead to readily cleaved bonds, we have prepared materials that combine the physical integrity of covalent materials and the structural dynamics of supramolecular complexes. Enaminone, boronic esters, boronate esters, and Diels-Alder linkages have all been employed to prepare these responsive and dynamic materials, with particular attention having been dedicated to the preparation of hydrogels, elastomers, and nanoparticles. We seek to exploit the reversible nature of these bonds to prepare responsive and self-healing materials.

2:45 PM Dancing in the Dark with CHIPs: Polymers for Next Generation Photonics and Imaging  
Professor Jeffrey Pyun,  
Department of Chemistry and Biochemistry, University of Arizona
The ability to manipulate light with materials is critical for a wide range of optical applications for devices, imaging and sensing applications. We will discuss our recent efforts to make new functional polymers and materials that are designed to transmit, reflect, rotate or guide light across a wide optical spectrum to enable creation of new imaging and sensing platforms. We will discuss how these systems will improve human-machine interfaces and next generation sensors for transportation.

3:30 PM Coffee Break

4:00 PM Polymers, Cells and Spores: Macromolecular Engineering of Living Thin Films  
Professor David A. Tirrell,  
Department of Chemistry, California Institute of Technology
This lecture will describe our ongoing effort to engineer the physical and biological properties of thin bacterial films by display of adhesive proteins on the cell surface, by release of matrix proteins into the extracellular space, and by the inclusion of stable bacterial spores. Studies of film fabrication, cell viability, film growth, film structure, indentation behavior, and regeneration following injury will be discussed.

4:45 PM Macromolecular Engineering by Taming Free Radicals using Atom Transfer Radical Polymerization  
Professor Krzysztof Matyjaszewski, Nichols Medalist, Center for Macromolecular Engineering Carnegie Mellon University
Macromolecular Engineering (ME) is a process comprising rational design of (co)polymers with specific architecture and functionality, followed by precise and efficient polymer synthesis and processing in order to prepare advanced materials with target properties. We employed radical polymerization for ME due to its tolerance to many functionalities although radicals are difficult to be controlled, since they have very short life times (<1 s) and are involved in side reactions. Taming free radicals was accomplished via dynamic equilibria between minute amounts of radicals and large pool of dormant species using copper-based ATRP (atom transfer radical polymerization) catalytic systems. By applying new initiating/catalytic systems, Cu level in ATRP was reduced to a few ppm and ME provided polymers with precisely controlled molecular weights, low dispersities, designed shape, composition and functionality as well as block, graft, star, hyperbranched, gradient and periodic copolymers, molecular brushes and organic-inorganic hybrid materials and bioconjugates. These polymers can be used as components of various advanced materials such as health and beauty products, biomedical and electronic materials, coatings, surfactants, lubricants, additives, sealants as well as nanostructured multifunctional hybrid materials for application related to environment, energy and catalysis.

MEDAL AWARD BANQUET

5:45 PM    Social Hour
6:45 PM    Medal Award Dinner

Presiding:

Dr. Ruben M. Savizky
2020 Chair, ACS New York Section, The Cooper Union

ACS Greetings:

Dr. Katherine L. Lee
District 1 Director, American Chemical Society

Introductory Address:

Dr. David A. Tirrell
California Institute of Technology

Presentation of the Medal:

Dr. Ruben M. Savizky
Nichols Medalist

Acceptance Address:

Dr. Krzysztof Matyjaszewski
Nichols Medalist

For More Information: Please visit the New York Section website at www.NewYorkACS.org

Online registration using PAYPAL for payment is available at www.newyorkacs.org/meetings/Nichols/2020Nichols.php

MAIL RESERVATIONS TO: ACS, New York Section Office
Attn: Bernadette Taylor
1313 3rd Ave., #2 South
Spring Lake, NJ 07762

Phone: 732-770-7324
E-mail: btaylor@NewYorkACS.org

Symposium only: $70 ($50 for ACS Members)  $__________
Student, unemployed $30  $__________
50 year ACS member $0  $__________
Banquet only: $150 ($130 for ACS Members)  $__________
Symposium & Banquet: $170 ($140 for ACS Members)  $__________
Table of 8 or more for symposium/banquet $150 per person (non-ACS Members)  $__________

Enclosed is my check, payable to: ACS, NEW YORK SECTION, Inc. in the amount of $__________

If reservations are for more than one person, please attach a list of the guests’ names, and dinner selections where needed.

DINNER CHOICES: Chicken_______ Prime Rib_______ Salmon_______

Tickets will be mailed to the person designated below

NAME ___________________________ PHONE ___________________________
ADDRESS _________________________ E-MAJL _________________________
CITY, STATE, ZIP ___________________________ ___________________________
THANKS TO MARM2020 EXHIBITORS

Dear MARM 2020 Exhibitors:

It is with deep regret that we inform you the Executive Committee of the 48th Middle Atlantic Regional Meeting (MARM 2020) has reached a decision of terminating its June conference, planned to be held on June 12, 2020, at the Graduate Center of City University of New York. The decision has been made in the interest of the health and safety of all MARM 2020 participants including its presenters, exhibitors, and attendees.

At the present time, the refunds of our MARM 2020 Exhibitors are being processed.

Although MARM 2020 is canceled, your organization’s logos, as MARM 2020 Exhibitors, will remain on the conference website at https://www.marm2020.org, and along with your Program information, will be published in the Indicator, the New York and New Jersey American Chemical Society (ACS) Newsletter at https://theindicator.org/index.html.

Once again, we would like to express our greatest gratitude to your organizations for your past and continued support of ACS MARM conferences, especially through the exhibition. We wish you, your family members and colleagues a safe and healthy status during this difficult time.

We look forward to future opportunities to work with you, your colleagues, and your organizations.

Sincerely,

Ping Furlan
Yosra Badiei
MARM 2020 Exhibition
ACS New York Section

MARM 2020 Exhibitors

Commercial Exhibitors (Booths Sold Out)
Society of Cosmetic Chemists
Chem 101
Advion
TA Instruments
Dotmatics
Heidolph North America
Vernier
Nanalysis
Shimadzu
STREM

Academic Exhibitors (Booths Sold Out)
UPenn
University of Delaware
CUNY Graduate Center
St. John’s University
Columbia University
SUNY Stony Brook University
CUNY York College

Our Heartfelt Thanks to MARM 2020 Exhibitors

48th Middle Atlantic Regional Meeting (https://www.marm2020.org/)
Sponsored by the New York Local Section of the American Chemical Society
The Graduate Center of the City University of New York | June 12, 2020
MARM2020 EXPO
Sponsored by the New York Local Section of the American Chemical Society
The Graduate Center of the City University of New York | June 12, 2020 - CANCELLED

Advion's nearly three-decade dedicated to serving scientists yields customer-focused life science solutions. Our deep scientific, engineering, and customer workflow knowledge spurs an unrivaled solutions portfolio. We work directly with, train, and passionately advocate for our customers to ensure their success. Dedicated to Science - Dedicated to You. Visit advion.com.

Chem101's active learning platform enables instructors to engage their students in the classroom with interactive problems, assign homework, and provide on-the-go practice activities. The platform's intuitive technology allows instructors to go beyond generic questions with chemistry-specific answer modules that make learning and teaching fun, effective, and exciting.

Our Scientist to Engineer (S2E) Program is an intensive, accelerated program designed especially for new M.S. students without a B.S. in Chemical Engineering. This program covers the essentials of the entire undergraduate curriculum, followed by a standard M.S. program. Typically, this can all be accomplished in three semesters.

Dotmatics delivers a platform to capture, register, share, query, visualize and analyze information generated in modern, collaborative scientific industries. Dotmatics scientific informatics include database management for chemistry, formulations, polymers and process data, ELN, chemical and polymer registration, high-throughput data management, reporting, visualization with enterprise solutions which are flexible, scalable and configurable.

Heidolph North America’s focus is providing unparalleled sales and support or premium lab equipment. Heidolph specializes in rotary evaporators, overhead stirrers and magnetic stirring hotplates.

Nanalysis develops and manufactures affordable, accessible, and automatable NMR spectrometers. Our spectrometers are aimed at expanding the use of multinuclear NMR spectroscopy into qualitative and quantitative chemical applications where NMR has not historically been used. In 2019, Nanalysis introduced the 100 MHz product, the highest field available for benchtop NMR spectrometers.

TA Instruments provides innovative material characterization instruments that are widely used for research, analysis, and quality control in the evaluation of physical properties. We are the world's leading supplier of thermal analysis, rheology, and micro-calorimetry instruments.

The University of Delaware is situated less than an hour from Philadelphia, PA, and is within easy driving distance of New York City and Washington, D.C. Our graduate program in Chemistry and Biochemistry combines a rich historic legacy with a strong commitment to education and innovation. Students at UD benefit from a highly supportive and collaborative environment that supports a wide array of cutting-edge Core Facilities, and dynamic initiatives focused on driving advancements across all areas of chemistry, biochemistry and related fields.

The University of Pennsylvania's Master of Chemical Sciences prepares you for diverse career and academic possibilities in the chemistry fields. We feature PhD-level courses, individualized advising, six chemistry concentrations, and Ivy League facilities and resources. Complete your research with local and national industry partners or at Penn's stellar facilities.

Our mission: To advance cosmetic science
The Society strives to increase and disseminate scientific information through meetings and publications. By promoting research in cosmetic science and industry, and by setting high ethical, professional and education standards, we improve the qualifications and caliber of cosmetic sciences.

St. John's University welcomes students to learn more about how to apply for our Masters in Science (M.S.) program in chemistry and discuss how our program can help the student meet their career goals.

Stony Brook Chemistry has a long history of conducting research and teaching at the interface of chemistry with fields such as biology, medicine, and materials science. This tradition was established by Nobel Laureate Paul Lauffer, who made his pioneering discoveries in Magnetic Resonance Imaging at Stony Brook. As part of our diverse community, you will benefit from the wide range of opportunities found at a large research university while enjoying the personalized attention and sense of community that exists within our Department.

For 59 years, Vernier Software & Technology has been the leader in scientific data-collection technology. Education worldwide use Vernier Sensors, instrumentation, including a benchtop gas chromatograph and spectrophotometers, software, and experiments to teach and engage students in chemistry investigation.
CANDIDATES FOR THE NEW YORK SECTION 2020 ELECTIONS

At the January 2020 Section-wide Conference, the Nominating Committee presented the candidates for office for the 2020 elections. The biographies of the candidates will be posted on the New York Section website at https://www.newyorkacs.org/2020_Candidates.pdf

The Board of Directors extends a sincere thank you to the following candidates for accepting the nomination to run for office, and encourages ACS New York Section members to vote for these worthy candidates.

Electronic ballots will be sent to the membership in mid-April using SurveyMonkey and voting will be conducted according to ACS guidelines for confidentiality and security. If your e-mail address has changed, please update it on the ACS website. If no e-mail address is associated with your membership number, a paper ballot will be sent to you automatically. Members that do have an e-mail address associated with their membership number will be asked in the email if they prefer a paper ballot.

To receive all electronic messages from your New York Section, please be sure that your e-mail account will accept messages from chair2020@newyorkacs.org or njesper1@optonline.net or jespersn@stjohns.edu. Also, if you have opted-out of SurveyMonkey in the past, please opt-in by April 15, 2020 for the election.

Members requesting paper ballots will receive them by May 1, 2020. If any member does not receive voting materials by May 1, please contact the New York Section Office at 732-770-7324 or btaylor@newyorkacs.org

The Candidates are:

**Chair-Elect for 2020** (Vote for 1)
Kathleen Kristian (Iona College)
Mary Virginia Orna (College of New Rochelle)

**Secretary for 2021 and 2022** (Vote for 1)
Daniel Amarante (Stony Brook University)

**Director-at-Large for 2021** (Vote for 3)
Maria Contel (Brooklyn College and The Graduate Center, CUNY)
Ronald D’Amelia (Retired)
Aaron Moment (Columbia University)
Yolanda Small (York College and The Graduate Center, CUNY)
Paris Svoronos (Queensborough Community College)

**Councilor for 2021-2023** (Vote for 3)
Donald Clarke (Fordham University)
Barbara Hillery (SUNY Old Westbury)
Hiroko Karan (CUNY - Medgar Evers College)
Patricia Redden (Saint Peter's University)
Frank Romano (Agilent Technologies)
Daniel Silverio (Adelphi University)

**Alternate Councilor for 2021-2022** (Vote for 2)
Elmer-Rico Mojica (Pace University)
Eric Chang (Pace University)
DR. KATHLEEN E. KRISTIAN: New York Chapter

EDUCATION:  PhD in Chemistry, Columbia University; Postdoctoral Research Associate, Ames Laboratory/Iowa State University

PRESENT POSITION: Associate Professor and Chair, Chemistry and Biochemistry Department, Iona College

ACS NEW YORK SECTION ACTIVITIES: Co-Chair, Inorganic and Organometallic Topical Group, 2012-present; Board Member, 2012-present; Session Organizer/Presider, MARM 2016

NATIONAL ACS ACTIVITIES: Member since 2004; Reviewer, ACS Student Affiliates Chapter Reports, 2012-2017; Reviewer and contributor to ACS journals; Participant, ACS research symposia

STATEMENT

It is an honor to be nominated to serve as the Chair Elect of the New York ACS Local Section. I would gladly work to share the value and joy of chemistry with our members and the public, by facilitating the exceptional programming, events, and educational activities of the NY Local Section.

My first encounter with the Section was as a graduate student in the early 2000s, when my advisor and the group attended the annual Inorganic and Organometallic Topical Group seminar and poster session event. Our memorable experiences at these events, where we shared current results, networked with other Section members, and learned from a speaker from outside of the section, led me and Dr. Camara to revive the Inorganic and Organometallic Topical in 2012. I am extremely proud of the impact that the annual Frontiers of Inorganic and Organometallic Lecture Symposium and ION (Inorganic, Organometallic, Nano) Poster Session have had on the local community within our subfield of chemistry. Each fall we bring together students, post-doctoral scientists, faculty, and industrial chemists to share the impressive science that they are undertaking in the NY area and to welcome a prominent chemist as our keynote lecturer. I hope that these events have had as much of an impact on students and post-doctoral scientists within the Section as the events that we attended as graduate students have had on us.

As a Co-Chair of a Topical Group, I have firsthand experience with the enormous effort and devotion that the Topical Group leadership puts forward on behalf of NY Local Section members. I would continue the robust support for Topical Groups that has enabled the many diverse programs that connect Section members to each other and to their areas of interest. Likewise, to advance the strategic thrusts of the Section, the annual events that reach students, professionals, and the general public must be supported and promoted. The URS, Nichols Symposium, William H. Nichols Fellowship Program, Chemists Celebrate Earth Day events, National Chemistry Week events, Chemagination, Project Seed, Westchester Subsection Science Café, and numerous events organized by the Chemical Marketing and Economics group are where we meet each other, continue our professional training and education, inspire new generations of chemists, and share our love of the chemical sciences with the public.

Our strategic plan is well-served overall by the existing activities and offerings within the Section, but we can continue to work together to increase participation in Section-wide events and to recruit new active members. One channel to reach new participants in the NY Section is through the ACS Student Affiliates chapters at the many colleges and universities in the region. I would work to boost student participation in Topical Group events and other technical programs, and to support these chapters’ efforts to participate in Local and National ACS activities. I would also continue the current efforts within the Section to provide opportunities for collaboration and increased interaction among Subsections and groups. I am confident that working together with the Board of Directors, Topical Group and Subsection leaders, past chairs, current members, and students, we can advance the chemical sciences by continuing the impressive activities of the NY ACS Local Section.

(continued on page 26)
DR. MARY VIRGINIA ORNA: Westchester Subsection

EDUCATION: Chestnut Hill College, B.S., 1955; Fordham University, M.S., 1958; Ph.D., 1962; Catholic University of America, M.A., 1967.

Honors: ACS Silicon Valley Local Section Radding Award, 2019; ACS Award for Volunteer Service, 2009; Henry Hill Award, Division of Professional Relations, ACS, 2008; John A. Timm Award, New England Association of Chemistry Teachers, 2007; Distinguished Scientist Award, Westchester Chemical Society, New York Section, ACS, 2004; George C. Pimentel, Award in Chemical Education, ACS, 1999; Visiting Scientist Award, Western Connecticut Section, ACS, 1996; Norris Award, Northeastern Section, ACS 1996; Fulbright Senior Scholar for Israel, 1994; Merck Innovation Award, 1989; CASE New York State Professor of the Year Award, 1989; CASE National Gold Medalist, 1989; CMA Catalyst Award, 1984.

POSITIONS: College of New Rochelle 1966 to date, New Rochelle, New York, Professor Emerita; President, ChemSource, Inc.; Chemical Heritage Foundation, Director of Educational Services and Editor, Chemical Heritage Magazine, 1996-00; The Hebrew University, Visiting Professor, 1994-95; Shenkar College of Textile Technology, Visiting Professor, 1994-95; The Weizmann Institute of Science, Visiting Lecturer, 1994-95.

ACS NEW YORK SECTION ACTIVITIES: Education Committee, 1989-91; Westchester Chemical Society Board, 2015-present; IYPT2019 Giant Periodic Table Contributor; IYPT2019 Science Café Co-Organizer.

NATIONAL ACS ACTIVITIES: Council Policy Committee, 2008-13; Committee on Committees, 2002-07; Committee on Nominations and Elections, 1996-01, Vice-Chair, 2000; Committee on Divisional Activities, 1993-95; 2017-present; Society Committee on Education, Committee Associate, 1994-96; Committee on Meetings and Expositions, Committee Associate, 1992; Journal of Chemical Education Coordinator, 2002-07; ad hoc Committee on National Historic Chemical Landmarks, 2000-02.

Service in ACS Offices: Member ACS since 1967. Division of History of Chemistry: Chair, 1998, 1983-84; Chair-Elect, 1997, 1982-83; Treasurer, 1989-90; Awards Committee Chair, 1989; Program Committee Chair, 1984-88. Philadelphia Section: Director, 1999-01. Division of Chemical Education: Chair-Elect, 1997; Treasurer, 1985-96; Nominations Committee Chair, 1981-83; Examinations Institute, Board of Trustees, 1983-02.

Member: Chemistry Teachers’ Club of New York; New England Association of Chemistry Teachers; Institute for Conservation of Historic and Artistic Works; History of Science Society. ACS Division of Chemical Education; Chemical Information and History of Chemistry.

Related Activities: Committee on Meetings and Expositions, Program Coordination Conference Advisor, 1989-98; Journal of Chemical Education Feature Editor, 1980-90; Program Chair of the 14th Biennial Conference on Chemical Education, August 1996; National Institute of Environmental Health Sciences, Visiting IPA Research Scientist, 1987-88; National Institutes of Health, Extramural Associate, 1984; New York University National Science Foundation Fellow, 1978; University of California, Los Angeles, Visiting Professor, 1977; Principal Investigator of ChemSource: A Support Strategy for Pre-Service Chemistry Teachers; numerous other grants; ACS Tour Speaker; organizer of numerous symposia for ACS meetings and Biennial Conferences of the Division of Chemistry; author of seven books, editor of thirteen volumes including four ACS volumes, over 80 papers; book chapters and encyclopedia articles.

STATEMENT: I am honored to be nominated for the office of Chair-Elect of the ACS New York Local Section. It is my firm belief and constant experience that Local Sections are the life blood of the American Chemical Society. Local Section officers and volunteers are unsung heroes and heroines who, as enthusiastic volunteers, work tirelessly to reach out to the many communities that intersect with the chemical community - during vacations, weekends, evenings, and everywhere in between. The devoted, selfless, diligent contributions of Local Section members have enabled ACS to become the world’s largest scientific professional organization. Local Sections address the “green edge of innovative thought” that, through new models and structures, eventually drives our educational systems and the economy.

All ACS activities share the ultimate goal of promoting chemistry as a fundamental driver that improves the quality of everyone’s life - worldwide. The New York Local Section does this through its many committees and topical groups that intersect with its six subsections to afford a multifaceted forum for intellectual exchange. Of the seven strategic thrusts spelled out on our website (https://newyorkacs.org/about.php), I would like to focus on enhancing the interdisciplinary boundaries of chemistry, improving scientific literacy, and fostering inclusiveness, without neglecting the other thrusts, of course. The Section’s record of service to the larger chemical community and national ACS has been so outstanding as to be recognized year after year at the Chemluminary Awards as one of the greatest large sections with a large and enthusiastic cadre of volunteers.
As ACS New York Local Section Chair, I will regularly seek your recommendations and work with you to develop activities and strategies to support and assist our members. I will confer and work with you to improve and strengthen communications, increase resources, seek out innovative ideas, sponsor programs, and promote effective policies to enable us as a Local Section to continue to grow and flourish. I am determined to serve as a responsive, hard-working, committed ACS Local Section Chair. I know how important it is for a smoothly functioning organization to network in an inclusive environment where all members feel included and listened to. The well-being of our members and the progress of our projects is our shared responsibility. Since ACS is a membership organization, our guiding principle, in whatever we do, should be to keep ACS members’ best interests always in mind – weighing how each decision will affect individual ACS members. This is certainly a principle that I espouse and will promote if elected.

When I served on the ACS Local Sections Committee, I had the opportunity to observe, visit and evaluate a large number of local sections, literally from Maine to Honolulu. This experience made me ever prouder to be a member of the New York Local Section – always the place I could come back home to, a Section with a glorious history that has admirably met the challenges of change and growth over the past 126 years. I will be honored and excited to receive your trust to promote your professional excellence, the entire chemical enterprise, and the ongoing benefits it generates for everyone.

CANDIDATE FOR SECRETARY 2021 and 2022
(2 YEAR TERM OF OFFICE)
VOTE FOR ONE

DANIEL AMARANTE: Westchester Subsection.
EDUCATION: Ph.D., Stony Brook University, Chemistry; B.S., St. John’s University.
PRESENT POSITION: Stony Brook University, Lecturer and Director of Introductory Courses
NEW YORK SECTION ACS ACTIVITIES: Secretary 2017 – present; Chair-Elect for Long Island Subsection (2020); Director–at–Large 2014-2016; NYACS Board of Directors 2014 to present; Co–advisor, College of Mount Saint Vincent ACS Chapter 2011-2019; Judge, Chemagination 2012 – 2015. MARM: Co-General Chair for MARM 2016.
NATIONAL ACS ACTIVITIES: Member, Inorganic Division.

CANDIDATES FOR DIRECTOR-AT-LARGE FOR 2021
(1 YEAR TERM OF OFFICE)
VOTE FOR THREE

DR. MARIA CONTEL: Brooklyn Subsection
EDUCATION: HERS Leadership Institute For Women in Higher Education (US), Leadership Certificate 2018; Public University of Navarra, Spain, Ph.D. 1996, University of Zaragoza, Spain, MS/BS, 1993.
PRESENT POSITION: Professor and Chairperson, Chemistry Department, Brooklyn College and The Graduate Center, City University of New York (CUNY)
ACS NEW YORK SECTION ACTIVITIES: Member since 2006

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DR. RONALD P. D’AMELIA: Long Island Subsection
EDUCATION: Ph.D. Adelphi University, M.S. Adelphi University, B.S. City College of New York, CUNY.
PRESENT POSITION: Retired in July 2003 as a Sr. Principal Scientist, Polymer Research, Corporate Technology, R&D, Nabisco Foods Group; Currently Adjunct Professor, Hofstra University, Department of Chemistry; also emeritus faculty Advisor for the ACS Student Members chapter of Hofstra University; and Adjunct Assistant Professor, Nassau Community College.
NATIONAL ACS ACTIVITIES: Member Committee on Ethics from 2017 to present. Team Leader/editor for NCW 2014 Celebrating Chemistry – "The Sweet Side of Chemistry – Candy" 2012-14. Member of the National ACS Fellows Selection Committee 2012-14. Received the ACS Fellows Award 2011; Member of the IYC 3rd quarter Team on Materials wrote article on Plastics, Bio-plastics and Recycling for the Web edition of Celebrating Chemistry, Member of the Committee of Community Activities (CCA) and its subcommittee on Program Development & Promotion (PDP) 2009-2016; Task Force Leader for CEPA Operations and Functions Manual 2007-08; Member ACS Council Standing Committee on Economic and Professional Affairs (CEPA) 2003-08; Chair of the CEPA Standard Operational Task Force; Member CEPA subcommittee on Employment Services 2007; Member CEPA subcommittee on Professional Programs 2003-06; Member, ACS Council Standing Committee on Meetings and Exposition, 1993-1998 and 1990-1991; Chair of M&E Subcommittee on Expositions 1996-1998; Member of M&E Subcommittee on Site Selection 1996-1998; Member, Regional Meetings and Exposition Subcommittees of M&E, 1994-1995 and 1990-1991; NY Section Representative on State and Local Government (SLGA) Affairs Program Committee, 1994; Member, ACS Division of Polymer Chemistry; Co-chairman of “Food Polymer” Symposium at the 27th MARM and 18th NERM; Member, ACS Division of Chemical Education; Affiliate Member, International Union of Pure and Applied Chemistry. Attended every National ACS Meeting since 1993.

DR. AARON MOMENT: New York Chapter
EDUCATION: Aaron earned his B.S. in Chemical Engineering from Rensselaer Polytechnic Institute in 1994, and an M.S. and Ph.D. from Massachusetts Institute of Technology in 1996 and 2000; with a thesis in block polymer synthesis and characterization.
PRESENT POSITION: Aaron recently joined Columbia University as a Professor of Practice in Chemical Engineering; Merck & Co., Inc., Rahway, NJ.
ACS NEW YORK SECTION ACTIVITIES: Member since 2018; attends local ACS events and symposia and continues outreach to industry and other local universities.
NATIONAL ACS ACTIVITIES: Member since 1997. Attendance at national ACS events.
DR. YOLANDA SMALL: New York Chapter
EDUCATION: Ph.D. in Chemistry, Penn State University; BS in Applied Math & Chemistry, University of Houston
PRESENT POSITION: Associate Professor, York College and the Graduate Center, City University of New York
ACS NEW YORK SECTION ACTIVITIES: 2011-2015 Co-chair, Undergraduate Research Symposium, 2015-2018 Committee member, Undergraduate Research Symposium; June 2016 Computational/Physical Chemistry Symposium – Chair of three sessions – Mid-Atlantic Regional Meeting (MARM); 2019-2020 Co-chair of Computers in Chemistry Topical Group
NATIONAL ACS ACTIVITIES: Member since 1997

DR. PARIS SVORONOS: Long Island Subsection
EDUCATION: Ph.D. Georgetown University
PRESENT POSITION: Professor - Queensborough Community College
ACS NEW YORK SECTION ACTIVITIES: NY Section chair (2015); Director at large (2013); Long Island subsection chair (2002); Director at large (2003-2010); History of Chemistry (2019-present); Microwave chemistry (2016-present); MARM 2008 (General- co-chair); MARM 2016 (Program co-chair); MARM 2020 (Abstract submission-co-chair); URS Hosting co-chair 2004, 2008, 2015
NATIONAL ACS ACTIVITIES: American Chemical Society Fellow (2018); Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences (2018); American Chemical Society-NY section, Volunteer; Award recipient (2017); Ann Nalley Regional Award for Volunteer Service to the American Chemical Society (2016)

CANDIDATES FOR NEW YORK SECTION COUNCILOR
(3 YEAR TERM OF OFFICE 2021-2023)
VOTE FOR THREE

EDUCATION: Visiting Professor Mt. Sinai School of Medicine of CUNY 1993-94; Research Associate, Columbia University 1957-61; Biochemistry Post Doctoral, University of Toronto, Banting Institute 1955-57; Ph.D. Fordham University 1956; M.S. Fordham University 1951; B.S. Fordham University 1950.
PRESENT POSITION: Professor of Chemistry, Fordham University.
ACS NEW YORK SECTION ACTIVITIES: Chair 1977-78; Chair-elect and Program Chair 1976-77; Nichols Medal Jury 1978-83; Nichols Medal Chair 1983; Outstanding Service Award 1982; Outstanding Service Award Committee 1982-85; Chair 1985; Long Range Planning Committee 1979-date; Councilor 2010-12, 1990-2008, 1987-89, 1979-85, 1975-77; Alternate Councilor 2013-18, 2009-10, 1993-95, 1986-87, 1977-79, 1974-75; Constitution and Bylaws Committee, Past Chair; General Chair, MetroChem '78; Program Chair, MetroChem '82; Member Organizing Committee, MetroChem '85; MARM Steering Committee 1987-date, Chair 1999-2000; MARM service award from NY Section 2004; Continuing Education Committee, Chair, Site Selection Committee; Project SEED.
NATIONAL ACS ACTIVITIES: Senior Chemists Task Force 2009-12; Senior Chemists Committee 2013-date; Joint Board Council Committee on Chemical Abstracts Services 2009-11; Divisional Activities Committee 2005-08; Committee on Nominations and Elections 1993-95, 1997-2004; Women Chemists Committee 1996; Committee on Committees 1991-93; Member Affairs Committee 1989-90; Liaison to Chemical Health and Safety, International Affairs and Economic Status Committees; Member of Chemical Education, Biochemistry, Analytical, Professional Relations and Computers in Chemistry Divisions.

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DR. BARBARA HILLERY: Long Island Subsection

EDUCATION: University of Virginia, B.A.; American University, Ph.D.

PRESENT POSITION: SUNY Old Westbury Acting Associate Provost; Professor of Chemistry.


DR. HIROKO I. KARAN: Brooklyn Subsection.

EDUCATION: Postdoctoral, New York University, Biophysics; Temple University Medical School, Biochemistry; Ph.D. Brown University, Organic Photochemistry; M.S. Wilkes University, Organic Chemistry; B.S. Pharmacy, Hoshi University, valedictorian.

PRESENT POSITION: Professor Emerita of Chemistry, Medgar Evers College, the City University of New York.


NATIONAL ACS ACTIVITIES: Member, Committee on Public Relations and Communications 2019-20, Associate Member, Committee on Public Relations and Communications 2018; Member, Committee on Constitution and Bylaws (C & B) 2016-17, Associate Member of C & B 2015; Member of Sub-committee of C & B 2015-17; Senior Consultant of CMA 2014; Member of Committee on Minority Affairs (CMA) 2004-13, Committee Associate 2002-03; Chair of CMA Membership Subcommittee 2013; Member of CMA Communication subcommittee 2006-12; Member of CMA Awards subcommittee 2003-06; IUPAC Associate Member.

DR. PATRICIA REDDEN: Hudson-Bergen Subsection

EDUCATION: Ph.D., Physical Chemistry, Fordham University, B.S., Chemistry, Cabrini College

PRESENT POSITION: Professor of Chemistry, Saint Peter’s University


NATIONAL ACS ACTIVITIES: Division Of Chemical Health And Safety, Chair, 1989; Chair-elect, 1988; Program Committee, 1985-1988; Chair 1986-1988; Member at-Large to Board of Directors, 1985-1990


FRANK R. ROMANO: Long Island Subsection.

EDUCATION: St. John’s University, M.S., 1983; Adelphi University, B.A., 1978.

PRESENT POSITION (for past 10 years): Field System Engineer, Agilent Technologies, Inc.

ACS NEW YORK SECTION ACTIVITIES: Treasurer 2016-Date, 2000-06; Councilor 2005-19; Alternate Councilor 2000-01; Chair 2010; New York Section ACS Outstanding Service Award 2006; New York Section ACS Salute to Excellence Award, 2004 and 2011. MIDDLE ATLANTIC REGIONAL MEETING: Treasurer 2018; Secretary 2012-18. NY LONG ISLAND SUBSECTION ACTIVITIES: Chair of Subsection 1996; Chair, High School Awards 2009-date. Middle Atlantic Regional Meeting: Treasurer 2016, 2008.

EASTERN ANALYTICAL SYMPOSIUM: Delegate 2006-2011; Chair, Registration 2012; Chair, Housing 2013, Vice Chair 2013; Chair, Short Courses 2016, Vice Chair 2015; Chair, Awards 2018, Vice Chair 2017; Chair, Transportation 2019; Secretary 2020.

NATIONAL ACS ACTIVITIES: Member ACS since 1979. Member, Committee on Economic and Professional Affairs, 2014-19 (CEPA Chair 2019); Member, Committee on Meetings and Expositions 2008-13, Committee Associate 2006-07; ACS Division: Analytical Chemistry; ACS Fellow 2019.

DR. DANIEL L. SILVERIO: Long Island Subsection.

EDUCATION: Ph.D. Boston College; B.S. University of Delaware.

PRESENT POSITION: Assistant Professor of Chemistry, Adelphi University.

ACS NEW YORK SECTION ACTIVITIES: Member since 2018; Director at Large 2019; High School Chemistry Olympiad committee 2019.

NATIONAL ACS ACTIVITIES: Member since 2007; Organic Chemistry Division

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Call for Applications

FREDDIE AND ADA BROWN AWARD

This Award recognizes and encourages high achieving middle- and high-school students, of African American and Native American heritage, to further develop their academic skills, with views on careers in the chemical sciences.

Award Amounts
Middle School $100.00 Check and $50.00 gift certificate : High School $200.00 Check and $100.00 gift certificate.

Who is Eligible
Middle School students enrolled in a science class : High School students who have completed a chemistry course

Grades
Middle School B Average or better in Science, B Average overall : High School B Average in Chemistry, B Average overall

Letter of Recommendation
Math or Science/Chemistry Teachers or Guidance Counselor

Statement
Middle School “Why I Like Science” : High School “Why I Like Chemistry”

Selection Criteria
Applicants must be African American (Black) or Native American (including Pacific Islander) or of mixed race.

Transcript
Official transcript required.

Financial Need
Not Required.

Return Application To
Freddie and Ada Brown Award, NJACS Section Office, 49 Pippens Way, Morristown, NJ 07960

Due Date
Completed Applications must be postmarked no later than March 31 Annually

Questions: Contact Jeannette Brown Jebrown@infionline.net or (908) 239-1515
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.

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 CO\textsubscript{2} 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 Bernadette Taylor btaylor@NewYorkACS.org 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!
NICHOLS SYMPOSIUM RESCHEDULED

Dear NY ACS Section Member:

We are sorry to inform you that due to the outbreak of the Coronavirus in the New York area, the Executive Committee of the ACS New York Section feels it is in everyone’s best interest to postpone the Nichols Symposium and Dinner on March 27 until Friday, October 23. Right now this date works with the hotel, the speakers and Dr. Matyjaszewski. If for some reason we need to change this date again, another announcement with those details will be sent.

We apologize for any inconvenience this may cause you. We hope you find that the new date works with your schedule. If you have already registered for this event and cannot attend, you will receive a full refund. We appreciate your patience as we work through this.

Wishing you best of health.
Dr. Ruben Savizky
2020 Chair ACS-NY

Deadline for items to be included in the JUNE 2020 issue of The Indicator is

APRIL 28, 2020

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

www.TheIndicator.org