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"Chemistry in Emerging Technologies"

The Rochester Section of the American Chemical Society is announcing a new program developed in collaboration with Nazareth College. **These quarterly lectures will feature companies in the Rochester area that are developing innovative new technologies and products with a strong chemistry component.**

Chemistry, the "Central Science", has played a critical role in the economic development of Rochester. The recent downsizing of large area companies, along with the rapid expansion of area colleges and universities, has created a growing entrepreneurial atmosphere for the development of innovative new technologies. This lecture series will highlight emerging technologies that are currently being developed in the Rochester area. The four lectures in the inaugural year of this program will review the basic science of some of these technologies and their target products.

The lectures are free and open to the general public, including students who may be looking for insight into future career opportunities.

Lectures will be held at 7:00 PM in Room 12 of Peckham Hall at Nazareth College (4245 East Ave., Pittsford, NY). All lectures will be followed by a reception and poster session from 8:15 - 9:30 PM in the Peckham Hall Lobby.

Monday

Oct. 28, 2013

Sugars from Biomass - Applying Biotechnology to Chemical Synthesis

Mr. Arunas Chesonis, CEO & Dr. Sarad Parekh, CTO

Sweetwater Energy (www.sweetwater.us)

Arunas Chesonis is the Chief Executive Officer and Chairman of the Board of Sweetwater Energy. Mr. Chesonis founded (1998) and served as Chairman and Chief Executive Officer of PAETEC Holding Corp., a Fortune 1000 telecommunications company acquired in 2011 by Windstream Corp., one of the largest national telecom carriers. He previously served as President of ACC Corp. until it was purchased by TCG/AT&T in 1998. Mr. Chesonis received the Ernst & Young Entrepreneur of the Year Award, the Herbert W. Vanden Brul Entrepreneurial Award by the College of Business at Rochester Institute of Technology and was elected to the Rochester Business Hall of Fame. Mr. Chesonis has a long history in renewable energy. His private philanthropic organization, the Chesonis Family Foundation, supports environmental and renewable energy research projects, and has given \$10 million to the Massachusetts Institute of Technology to support breakthrough technology research to address climate change and sustainability. He holds a B.S. in Civil Engineering from Massachusetts Institute of Technology, an MBA from the William E. Simon Graduate School of Business at the University of Rochester, and an Honorary Doctorate of Laws from the University of Rochester. Mr. Chesonis is also a member of the M.I.T. Corporation and is a trustee of the University of Rochester and The Harley School.

Dr. Sarad Parekh is the Chief Technology Officer at Sweetwater Energy leading all aspects of Sweetwater's research, development, and technology implementation. Dr. Parekh has more than 25 years of industrial experience in biochemical engineering, synthetic biology, microbiology, fermentation technology, and biomass-related process development and commercialization. Prior to joining Sweetwater Energy, he served as Vice President of Research and Development at Qteros, as well as Director of Pilot Plant Operations at Phyton Biotech, and Global Technology Leader at Dow AgroSciences. Dr. Parekh also brings expertise in commercialization of various chemical and pharmaceutical operations from his experience as Section Head of Biotechnology in Technical Operations at Merck Manufacturing Division.

Dr. Parekh earned his BSc in Chemistry, MS in Microbiology and his Ph.D. in process engineering from the University Department of Chemical Technology, Mumbai. As postdoctoral research fellow he spent 4 years at the Department of Biochemical Engineering at the University of Western Ontario, and Chemical Engineering at the University of Toronto. Dr. Parekh also spent three years as Research Fellow at the Food Engineering Department at the University of Illinois Champaign Urbana. He won a commercialization award from the Corn Marketing Board for his work on production of deicing chemicals by fermentation from renewable sugars and Green Chemistry Challenge Award in 1999. He has several patents to his credit, more than 40 publications and chapters in peer-reviewed journals, and has edited three books on various topics related to industrial biomass conversion, including engineering microbial strains, process improvement, scale-up and commercialization.

Monday

Jan. 20 2014

Green Chemistry - Polymers from Carbon Dioxide

Dr. Ronald Valente, Vice President, R&D - Novomer, Inc. (www.novomer.com)

Monday

April 21, 2014

Applying Nanotechnology to New Printing and Patterning Processes

Dr. Robert Cournoyer, President - Intrinsic Materials (www.intrinsicmaterials.com)

Monday

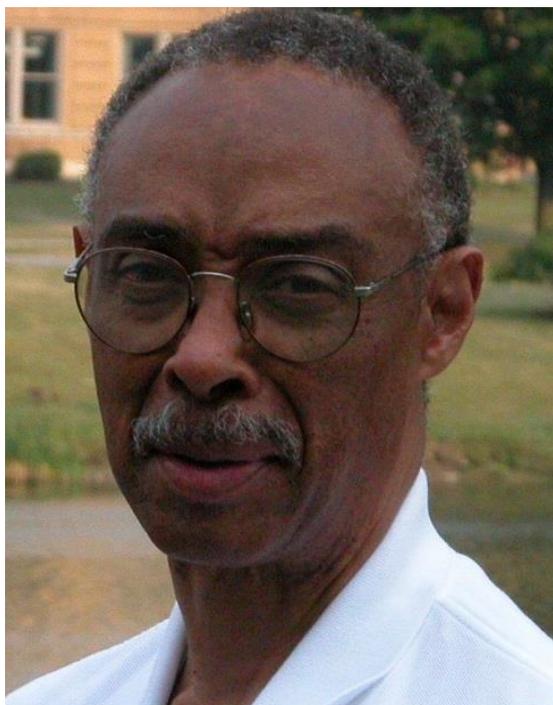
June 23, 2014

Functionalized Inorganic Nanoparticles - Chemistry and Applications in Energy, Catalysis and Medicine

Dr. Kenneth Reed, CTO - Cerion Enterprises (www.cerionenterprises.com)

Further information on these lectures, poster submissions, and other Rochester ACS Section events is available on the Section's website (www.RochesterACS.org).

50 Year ACS Members - 2013



Dr. James Wallace Brown III was born in Savannah Ga. where he spent the first 15 years of his life. His family moved to Bayonne N.J. where he finished high school. He attended St. Peter's College in New Jersey where he majored in Chemistry. In his senior year, he was the President of the Students' Affiliate Chapter of Collins Chemical Society.

Jim was employed as a Quality Control Chemist at P. Ballantine & Sons (1959-60). He joined the New Jersey National Guard (1960-63) and saw 6 months of active duty in Fort Sill Oklahoma as a fire-control specialist collecting data on Howitzers (he continued in the Army Reserves until 1966). He was with the Organic Chemistry Division of Squibb working on Steroids with A.J. Bose from 1960-63. When the Director, Joseph Fried, left for academia, Jim went with him to The Ben May Laboratory for Cancer Research at the University of Chicago (1963-67). Jim then enrolled in the Steven Institute of Technology (Hoboken, NJ) obtaining his Ph.D. (1973) under the supervision of Magyar Manhas, on the synthesis of heterocyclic steroids.

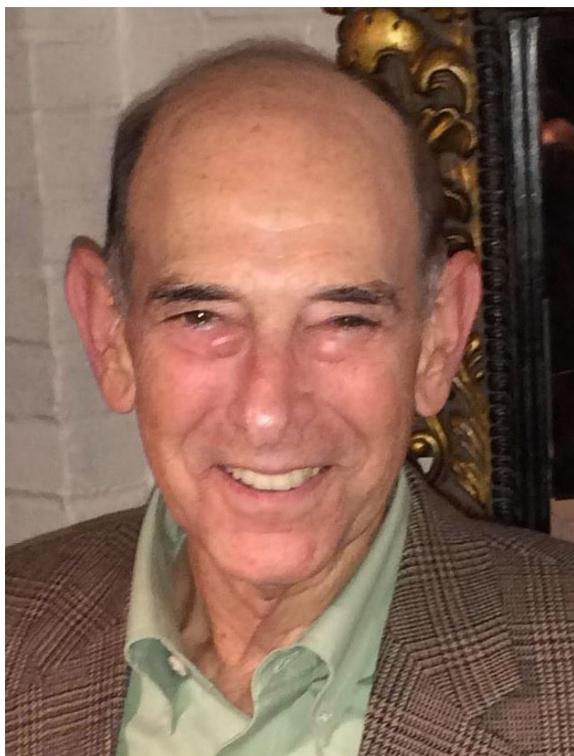
Jim joined the Research Labs of the Eastman Kodak in 1972, at first in the Dye Synthesis Group where he worked on yellow filter dyes and the incorporation of filter dyes in polymeric lattices. He later worked in the Color Instant program including attempts to develop instant transparencies. Then he spent 2 years working on improving Ektachrome; he then joined the Motion Picture program where he worked on improving Eastman Color Print and a universal color bleach. He later did some work on incorporating silver halide chemistry into digital photography. It was discovered that he suffered from cardio-myopathy, when he was on short-term and later long-term disability and retired in 1997.

He married in 1963 and had 3 children (this marriage ended in divorce). In 1980 he married Cheryl Boozer with whom he recently celebrated their 33rd wedding anniversary.

In retirement, he keeps busy with yard work, listening to music (mostly classical and Jazz) and reading (mostly politics or International affairs, though he admits to growing increasingly disenchanted with politics) and visiting his 7 grandchildren, most of whom are grown now.

When asked what he would do differently if he had to do over again, he admitted that he felt very fortunate about the way turned out for him; but he probably would have attended Graduate School immediately after graduating from College. There is a possibility that he might have majored in Political Science or International Relations.

Dan Daniels



Richard Eisenberg is the Tracy H. Harris Professor of Chemistry at the University of Rochester. Eisenberg earned his bachelor's and doctoral degrees from Columbia University in 1963 and 1967. He taught at Brown University for the next six years, before joining the Rochester faculty, where he was promoted to full professor in 1976. He was chair of the Chemistry Department from 1991 to 1994.

Eisenberg's research has focused on inorganic and organometallic chemistry, photochemistry, and catalysis. He is a specialist in the chemistry of converting light into chemical energy. These interests have paved the way for his current work developing catalysts

for artificial photosynthesis systems that could lead to more efficient and environmentally friendly production of hydrogen fuel from water.

Eisenberg is the Editor-in-Chief of *Inorganic Chemistry*, the leading journal in its field. He is a fellow of the American Association for the Advancement of Science and the American Chemical Society, as well as a fellow of the American Academy of Arts and Sciences.

Eisenberg has earned numerous awards throughout his career, including; the Nobel Laureate Signature Award for Graduate Education in Chemistry by the American Chemical Society (2011), with former student Pingwu Du; the University of Rochester's Lifetime Achievement Award in Graduate Education (2010); the Morley Medal from the Cleveland Section of the American Chemical Society (2007); and the American Chemical Society Award for Distinguished Service in the Advancement of Inorganic Chemistry (2003).

One of his priorities has been the training of future chemists. Eisenberg mentored more than eighty Ph.D. and postdoctoral research students, as well as numerous undergraduates.

Eisenberg has been married to the former Marcia Landau for 45 years. Together they have two sons, Alan and Rob.

John Cullen



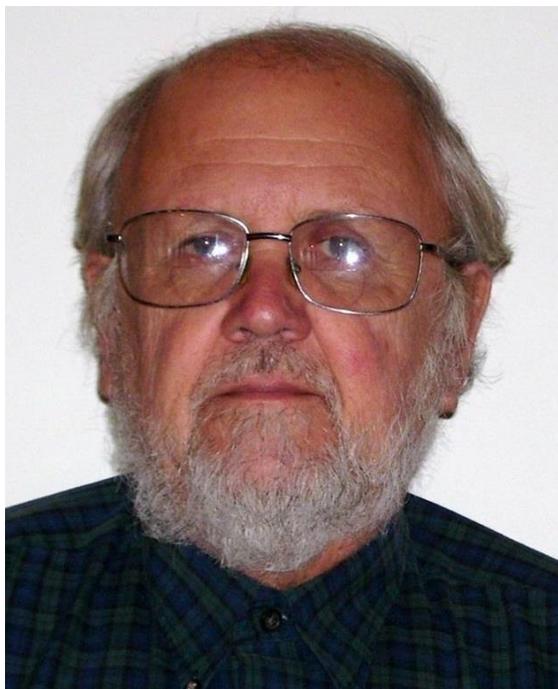
Dr. Jose Fernandez was born in La Coruna, in that part of Spain known as Galicia. He came to the U.S. at age 12, attending the Brooklyn Technical High School from 1952 until his graduation in 1956. He then attended the City College of New York, mostly in evening classes because of his working as a lab technician at Evans Research and Development to help with the financial needs of his family.

Jose received his BS in chemistry in August of 1963 and went on to Yale, receiving his PhD in organic chemistry in June of 1968, having worked on benzyne chemistry with Prof. Wasserman. He joined the Color Photography Division of the Kodak Research Laboratories in 1968, synthesizing color couplers and image transfer chemicals, and then served as the chemical coordinator in the Health, Safety and Human Factors laboratory from 1978 to 1982.

For the last ten years until his retirement in 1992 he was the manager of doctoral recruitment in the Research Laboratories.

He has been married to Eileen for 48 years and they have two children, both now college professors, and two grandchildren. Jose is a member of Phi Beta Kappa and Sigma Xi; he volunteers for tutoring in the public schools, and volunteers with the Rochester Global Connections organization hosting students from overseas. He has a passion for traveling and has visited most of South America, some of Asia and much of Europe. At home he enjoys the YMCA and finds long walks relaxing.

Norman Allentoff



Joe Thomas Stone liked to mix things together as a kid to see what would happen. A shy only child, he was inspired by high school math and chemistry teachers who tried to bring him out of his shell. Although named valedictorian, Joe was too embarrassed to address his 500 member class so another student gave the speech. He went on to earn a BS in Chemistry ('63) at Harvey Mudd College and a PhD in Organic Chemistry ('67) and postdoctorate year at University of Washington. His grad work under Prof. Pocker involved studies of enzyme kinetics, ester hydrolysis, and carbonate to CO₂ conversion in the lungs. He worked two summers at Whittaker Corp on batteries for space exploration.

Joe joined the Photographic Research Division of the Kodak Research Labs in 1968. His studies included development mechanisms and silver behenate dry processing for microfilm and microfiche. He also worked on TriX and graphic arts films, but his favorite was a portable Xray film for the World Health Organization which required minimum water for development. By 1990 he was in emulsion science training to improve 100 speed reversal film and T-grain sensitization. Kodak cutbacks resulted in his being "deselected" (retired) in 1998.

Joe and Gail were married in 1963 and raised two sons who now work as programmers and web designers. Gail taught math to special needs kids at Rochester's Norman Howard School. Joe is well-known in the Webster area as an environmental activist and for his 15 year service on the Webster Conservation Board, evaluating all town development projects and

walking trail sites for the open space program. He and Gail live on a 26 acre wooded lot near a creek and ponds. In 1976 they built a redwood home there.

Joe enjoys gardening, woodworking, and volunteering with Habitat for Humanity. Earlier he helped with Indian Guides, then headed an education unit and taught Sunday school at the Webster Baptist Church. The Stones love to travel and have visited 40 countries and half of the national parks, taking pictures on hard disc and film. They enjoy in-depth experiences in the life and foods of each culture and took Spanish lessons in Quito, Ecuador. Their gift of attracting friends in each country resulted in their being honorary grandparents to a family of Vietnamese children after a 3-week tour of Vietnam in 2003. This November they will be off to Myanmar.

J. Dolf Bass



Dr. Lewis Hamilton married the love of his life, Susan, in 1961. He then went on to earn a BS in Chemistry from Ohio State University followed by a Ph.D. in Organic Chemistry at the same school.

From 1967 – 70 he worked in the photochemical research group at Proctor and Gamble. In 1970 he began his dream in the Color Photography Division at the Eastman Kodak Research Laboratory where he designed polymers for dye mobilization. He later went on to lead a group in the manufacture of Kodacolor film and later used nanotechnology to make sensitizing dyes.

He retired from Kodak in 1998 and then served as a consultant at Ameritherm, in Scottsville, NY. He later worked in tax preparation at H&R Block. Since 2008 he has been a volunteer tax preparer for AARP and the IRS. Lew spends time in retirement following his investments, home repair and rose gardening and especially enjoys his four granddaughters, ages 9 – 14.

Lew Allen

Jan Raymond Haase was born on June 24, 1941 in Buffalo N.Y., where he completed his early education. He then attended the University of Buffalo, majoring in Chemistry. He credits Professor Pete Lansbury's mechanistic approach to teaching, for orienting him toward

Organic Chemistry. After graduating, Jan worked for the Union Carbide Company in Tarrytown, N.Y. for two years; he took some night courses at New York University and later enrolled in the graduate program where he worked under the supervision of Carlton Dickerman on the synthesis of bi- and tetra-phenylated anthracenes.

It was there that he was introduced to a paper by L.G.S. Brooker; this may have been a factor in his joining the Sensitizing Dye Synthesis Laboratory of the Eastman Kodak Research Laboratories. His initial assignment was an investigation of photochromic Dyes. After a short period in the Silver Halide Photochemistry Laboratory, he worked on the synthesis of imaging dyes for the Color Instant Program, becoming first a Group Leader and then a Laboratory Head, first in the Emulsion Research Division and later in the Color Instant Photography Division.

His career took a major turn when he started working with Bob Tuite on aspects of diversification, mainly the application of chemical technology to new business ventures. In this capacity, he was exposed to aspects of biotechnology and electronics, as well as business planning; he found this exposure very helpful to his activities after his retirement in 1997.

After graduating from College, he married Carole Schrack; they recently celebrated their 50th Wedding Anniversary. Together, they have two daughters and three grandchildren.

In retirement Jan has done some consulting; now that he and Carole spend their winters in Central Florida, he spends some time in leading book-club discussions among the Villages Senior Communities, which has sparked an interest in Cosmology. He also enjoys fishing, reading and visiting his daughters and grandchildren.

Dan Daniels



Dr. Monica Minton was born in Rochester and attended St. Monica's Grammar School and Nazareth Academy. At Nazareth College, she earned her BS degree in chemistry (1961), followed by her PhD in physical chemistry at Fordham University (1966) for her work on phase studies of clathrate compounds, under Prof. Norman O. Smith.

She taught chemistry at Nazareth College for four years (1966-70), then went on to a post-doctorate year (1970-71) at the Imperial College London, working on ice clathrates with

Prof. R. M. Barrer. She returned to teaching chemistry and related subjects at the Fordham Preparatory School (1972-76) and at the Convent of the Sacred Heart in Manhattan (1976-77), both at the high school level. 1977-81 were spent teaching at Belmont Abbey College near Charlotte, N.C., where she was active in the local ACS section.

From 1977 until her retirement in 2007 she taught at Marymount College in Tarrytown, N.Y. While in N.C. she became interested in, and taught, environmental science, finally earning her MS in environmental health science at Brooklyn Polytechnic (1989) during her time at Marymount.

Following retirement, she returned to Rochester, where she has a sister and other family members. Her main interest is frequent travel.

Norman Allentoff



Dr. Franklin Saeva's career spanned years both at Xerox and Kodak. He grew up in Rochester, a 1956 graduate of the old East High School. He received a B.S. in Chemistry from Bucknell University in 1960. He worked a couple of years in Rochester before entering graduate school at SUNY Buffalo, where he worked with Prof. P. T. Lansbury, and finished in 1968. He followed with a year as a post-doc research associate under Prof. Kurt Mislow at Princeton.

Frank joined the research staff at Xerox in 1968 and worked extensively in liquid crystal research, which produced numerous published papers. He edited a book, *Liquid Crystals- The Fourth State of Matter*, in 1979. Toward the end of this time at Xerox he began teaching a course in Advanced Organic Chemistry as an adjunct professor of chemistry at the University of Rochester, 1978-81.

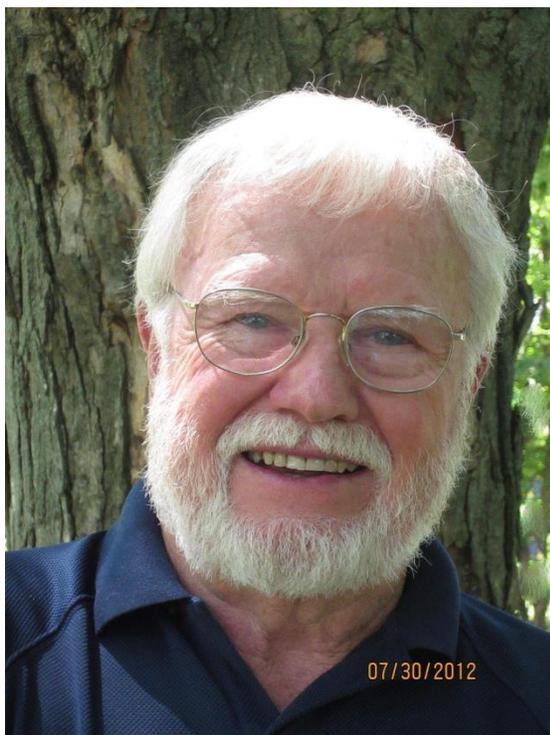
In 1979 Frank joined the Chemistry Division of the Kodak Research Labs. His work there was in photochemistry, in particular photochemistry of photoacid compounds. The research was wide-ranging in this field and resulted in many published papers. It also led to a product in 1995, a thermally activated Litho Plate, imaged with an IR laser. Frank for his

contribution and the Litho Plate itself each received awards the next year. It continues in extensive use in the printing industry for an extensive range of uses including newspapers to labels. He continued in this photochemistry work at Kodak, mostly under his own direction, until his retirement in 2003.

In all, Frank's career produced 68 published papers. He was invited to make 63 presentations all over the country and the world and has been a contributor to 38 US Patents. He gives great credit for aid in his career to his wife Irene and several associates that helped him along the years.

Frank and Irene have lived in a home in a beautiful part of Webster for over 40 years. They have three daughters who are in accomplished careers as an analytic manager, a graphic designer and a commercial architect. Frank is in good health and still actively playing golf and tennis.

Gene Oliver



Dr. Edward Walsh was born in Waterbury, Connecticut and grew up in the nearby town of Prospect. He completed his B.S. in Chemistry in 1963 at Yale University - "just 20 minutes down the road". After college he married Lea Ringenberg, and less than a month after their marriage they moved to Madison, Wisconsin where he studied for his Ph.D. at the University of Wisconsin – Madison (working on thermal rearrangements). This was followed by a NIH post doc at Cornell University (where he worked on photochemical rearrangements). In the late 1960's Ed interviewed at the Kodak Research Labs. He attended the U.S. Open at Oak Hill Country Club, an event which helped convince him that Rochester was the place for him.

In addition to celebrating his 50th year as an ACS member this year, Ed and Lea are celebrating their 50 years of marriage and he recently attended his 50th college reunion.

At Kodak Ed worked on photographic systems from both the film and equipment sides. Reflecting on his many years at Kodak, he really values the contributions made by his research group which addressed Human Factors Engineering -- a "soft science" he says "too often neglected in product design". During his years at Kodak he was selected as one of the

scientists who presented the ever-popular "Inside Story of Color Photography" on the ACS lecture circuit. In the early 1970's Ed served the local section as Editor of CHEMunications. During this time he was also a Lecturer in Organic Chemistry in the University of Rochester University College. He was a long-standing member of the Kodak team which judged high school science projects at the International Science and Engineering Fairs.

Ed retired from Kodak in 1998. After retirement he became involved as an expert witness in a multi-year legal case (six months of real work!) involving one of the largest recalls in product history. For the past eight years Ed has been involved with several Boards in the Town of Mendon and only recently stepped down from the chairmanship of the Town's Planning Board. Ed's immediate family is still in Western New York and he enjoys frequent visits from his three children and his six grandchildren. Ed continues to enjoy golf several times per week (he finds it very relaxing to practice on his own golf range at their home in Mendon), tennis, hiking, skiing and snowshoeing.

Ken Schlecht

Dr. E-Ming Wu was a dye researcher at Eastman Kodak for most of her career. She was born in Shanghai, China, but went with her parents to Taiwan in 1948 prior to the Communist takeover of mainland China. She went through the equivalent of high school and four years at Chung Hsing University in Taiwan. After working three years at an Industrial Technological Research Institute there, she came to the United States in 1961 for graduate school at the University of Nebraska and finished a PhD in 1965. She spent a year as a post-doc at the University of Wisconsin before joining Kodak in 1967.

E-Ming worked in the Sensitizing Dye Laboratory under Donald Heseltine for 12 years in a myriad of cyanine and other projects. For the years that Kodak was involved in Instant Photography in the mid 70s, she worked on developing dyes attached to the imaging fragment of the image-transfer dyes in the process. Much of the time was working with metallized dyes. All this ended in 1986 when Polaroid won the patent controversy. After one year in black and white photography, E-Ming returned to dyes and color-formers in color photography until her retirement in 1994.

E-Ming was a care-giver for her parents. She retired after her mother died in 1993 to care for her father who subsequently lived to the age of 98 until 2004. Since then, she has traveled to Egypt and five times to China and Taiwan for up to one-month stays.

As for the present E-Ming does gardening at her home in Webster, has attended Rochester museum courses and has an exercise program. I asked her about her Chinese language; she has spoken local dialects as well as Mandarin, which now, she says, has basically become universal in China.

Gene Oliver

BACKGROUND: KEY PROPOSED BYLAWS CHANGES OF THE ROCHESTER SECTION OF THE ACS - 2013

The rationale for the proposed changes this year is present below. The actual changes can be downloaded from the Section's Website and run about 12 pages. Downloading takes much longer using Internet Explorer (leading one to believe your computer has locked up) than Firefox. The most significant proposed change is to move from a traditional 3-year Chair Succession format (first year as Chair-Elect, second year as Chair and third year as Immediate Past Chair) to a new 2-year format that would allow for the following major changes in governance:

1. A Chair would be directly elected as Chair for a 2-year term
2. A Vice Chair would be elected as Vice Chair for a 2-year term.

AFFECTED BYLAWS:

BYLAW I: Name & Territory

The word "Headquarters" as removed from the title for this bylaw as recommended by the ACS Committee on Constitution and Bylaws (C&B).

BYLAW III: Members and Affiliates

Section 1. Members

The first purpose behind the proposed changes in this Bylaw is to take out a duplicate statement about Student Member dues.

The second proposed change would take away "Section 4. Rights" and place that information within the description of each membership level.

BYLAW IV: Organization

Section 1. Officers and Directors

Section 3. Executive Committee

Bylaw V: Manner of Election

Section 2. Qualifications

(new) Section 7. Results and Certification

(new) Section 8. Vacancies

Bylaw VI: Recall of Elected Officials

Section 2. Recall of Elected Officials

The purpose behind the proposed changes in these Bylaws is to move from a traditional 3-year Chair Succession format (first year as Chair-Elect, second year as Chair and third year as Immediate Past Chair) to a new 2-year format that would allow for the following major changes in governance:

1. A Chair would be directly elected as Chair for a 2-year term
2. A Vice Chair would be elected as Vice Chair for a 2-year term.
3. Members in each of those positions would be able to be re-elected for one additional 2-year term.

It is felt that this would benefit the Local Section in the following ways:

1. It would give the member serving as Chair two years to lead the Section rather than the present one, which almost always does not allow enough time to accomplish all of their goals and plans

2. It would allow us to look for candidates offering them a commitment of 2 years rather than 3.
3. It would eliminate the upheaval of changing Chairs each year and allow for more consistency in leadership.

BYLAW IV: Organization

Section 1b. Officers and Directors

The purpose behind the proposed changes in this Section is to add the fact that Secretaries and Treasurers are eligible to run for re-election and it also takes out the requirement that they be elected on alternate years as that may not be the best format under the newly proposed governance format. This change would eliminate what would have been, under the new governance format, a situation whereas three of four Section Officers would be elected in one year, and only one during the alternate year. Now, the Chair and Vice Chair would be elected one year, and the Secretary and Treasurer would be elected in the off setting year.

Section 3a. Executive Committee

The purposes behind the proposed changes in this Section is to:

- a. Add the fact that Members-at-Large are eligible to run for re-election.

BYLAW V: Manner of Election

Section 1. Nominations

The purpose behind the proposed change in this Bylaw is to align the Section's Bylaws with the National ACS Bylaws and guidelines that prohibit a conflict of interest between being a candidate for office and service on the Nominations & Election Committee at the same time.

Section 3. Suggestions and Petitions.

The purpose behind the proposed change in this Bylaw allows the Section to notify members of election items without having to physically "send" them out. A change would also put into a place an easier-to-read format for this Section.

Section 4. Balloting

The change in words from "distributed" to "made available" is to allow for the electronic distribution, rather than physical distribution, of ballots.

Section 5. Transitional Terms of Office

The proposed change here gives us the authority to adjust the terms of office for all Local Section officers (except Councilor and Alternate Councilor) in the case of a bylaw change that adjusts an election cycle, term of office or other such changes that affect the governance.

Section 6. Results and Certification:

The proposed change here puts into a place an easier-to-read format for this Section.

BYLAW VII: Meetings

Section 4. Quorum

The guidelines around proxy voting was removed as recommended by the ACS Committee on Constitution and Bylaws (C&B). Many states do not allow for proxy voting for tax-exempt corporations.

BYLAW XI: Amendments to the bylaws

All Sections

The changes in wording, as well as additional wording, were recommended by the ACS Committee on Constitution and Bylaws (C&B) for clearer understanding.

Candidates for Elected Positions within the Rochester Section:

Chair-Elect -- Glen Labenski

Biographical Information:

Glen Labenski was born and raised in the suburbs of Buffalo, New York. While growing up, he developed an intense curiosity for science. Upon graduating from high school, Glen continued his study of science at Nazareth College, eventually earning a Bachelor's Degree in Biochemistry. A continued thirst for education lead him to graduate studies at the Rochester Institute of Technology, where he defended a thesis titled, "The Effect of Polymer Composition and Structure on the Photo-Fries Rearrangement" earning him a Master's Degree in Chemistry. While attending Nazareth, Glen was an active member of the Science Club serving as treasurer for two years. He continued to be active at RIT as a member of the College of Science Student Advisory Board (COSSAB). Glen currently works for Kelly Scientific Resources as a consulting chemist with Ortho-Clinical Diagnostics. Outside of the laboratory, Glen is an avid runner who participates in local marathon and half marathon races. He currently resides in Brighton with his wife, Emily.

Position Statement:

I have been a member of the ACS for the past 5 years. In that time I have served the executive committee of the Rochester Section as a Member-at-Large and Chair of the Younger Chemists Committee (YCC). My involvement with the organization has opened doors for me by providing the opportunity to present research and interact with fellow scientists locally and across the country. I see great value for active involvement in the organization. It is important we demonstrate this value to the young scientists in the area so we may build a sustainable membership base and increase their involvement with the ACS. I also believe that participation in networking activities is crucial for learning about chemistry and launching a career in the field. As a Chair Elect with the Rochester Section, I plan on working towards facilitating networking and the exchange of knowledge between our members and those who would benefit.

Treasurer – Mark Heitz

Biographical Information:

Mark is currently Associate Professor of Chemistry at SUNY Brockport. Mark teaches a variety of courses, with a primary emphasis on Analytical and Physical Chemistry. A native of Rochester, Mark began his training at The King's College, Briarcliff Manor, NY, earning his Bachelor's degree in Chemistry. He studied at the Rochester Institute of Technology with Professors G. Takacs and V. Vukanovic working on plasma-based surface modifications of polyimide coated silicon substrates. In 1990, he earned a Master Degree from the University of Rochester. Following this, Mark taught high-school chemistry for three years prior to attending SUNY Buffalo, where in 1995 he earned his Ph.D. under the tutelage of Professor Frank Bright. Mark's research at UB was focused on studying solute dynamics in reverse micelles formed in liquids and supercritical fluids. From Buffalo, he moved to a post-doctoral position at The Pennsylvania State University with Professor Mark Maroncelli, continuing to study solute-solvent interactions in supercritical fluids. Most recently, studies of small molecule solvation dynamics in neat ionic liquids and ionic liquid based mixed solvent systems has been the focus of his research activities at SUNY Brockport.

Mark has become an active contributor to local section activities by serving on the NERM 2004 organizing committee as the Public Relations chair and Exhibition co-chair. He has also served the local section as treasurer since 2008.

ACS and Rochester Section Activities: ACS Member since 1985, Rochester Section Treasurer (2008-present); Audit Committee Member (2008-2013); Member-at-Large (2004-

2006); NERM Executive Committee (2003-2004), with service as Public Relations Chair and Exhibitions Co-chair.

Position Statement:

Local Section Treasurer is position of significant responsibility. Having been actively involved in the Section now for 8 years, I am interested in continuing to serve the needs of the Section by working with the leadership to support, promote and enhance the Section's programs. It is easy to simply say 'I'm too busy...' but the benefits that are enjoyed by the membership are a direct result of those who take time to serve. I have benefited from the numerous people who have generously donated time to the ACS local section and I want to return 'in-kind' by contributing where I am able. Serving as treasurer is but one additional way that I can give back to the Society.

Councilor – Richard Cobb

Employment: Retired after 42 years with the Eastman Kodak Company as a Senior Research Technician and Division Health, Safety & Environmental Coordinator

National ACS Involvement:

- Member of the ACS Elected Committee on Nominations & Elections (2011-2013, 2013-2016)
- Vice Chair of the Northeast Region, ACS Board of Directors (2005 - present)
- Instructor for three ACS Leadership Development Courses (2009-present)
- Member of the ACS Division Business Development & Management (BMGT)
- Chair of the ACS Committee on Membership Affairs (MAC) (2008-2010)
- Ex-Officio Member of the ACS Member Insurance Board of Trustees (2008 -2010)
- Non-voting Member of the ACS Council Policy Committee (CPC) (2008 -2010)
- Councilor for the Division of Chemical Technicians (2007-2009)
- Associate Member of the ACS Committee on Membership Affairs (MAC) (2007)
- Member of the National ACS Governance Review Taskforce (2005 - 2007)
- Member of the National ACS Board Oversight Group on Leadership Development (2005 – 09)
- Member of the Regional Activities Coordination Team (ReACT) (2004 – 2007)
- Chair of the ACS Committee on Admissions (2003 - 2005)
- Chair of the ACS Committee on Technician Activities (CTA) (2000-2002)
- Co-Chair of the National Visiting Committee for the NSF Grant to support Chemistry-based Technician Education (2000 - 2004)
- Member of a Presidential Task Force on AIChE / ACS Joint Membership (2004)
- Chair of the Canvassing Committee for the ACS Award for Volunteer Service (2003)
- Member of a Presidential Task Force on Local Section/ Division Allotments (2002)
- Member of CTPAS (Sub-Committee D) for the Society Committee of Education (SOCED) (1999-2002)
- Member of the ACS Presidential Task Force on the Electronic Membership Survey (2001)
- Chair-Elect, Chair and Immediate Past Chair (1996-1998) of the Division of Chemical Technicians (TECH)
- Member of a task force for the Committee on Meetings and Expositions (1995-1996)

Local ACS involvement:

- Councilor, Rochester Section ACS (1999 – 2003) (2008 – present)
- Chair, Rochester Section (2007), Chair-Elect (2006)
- Bylaws Committee Chair (1998 – present)
- Secretary, Rochester Section (2005)
- General Chair, NERM 2004 (1999 – 2005)

- Alternate Councilor, Rochester Section ACS (1998 –1999, 2004)
- Treasurer, Rochester Section, ACS) (1995 – 1997)
- Member-at-Large, Treasurer, Chair-Elect, Chair, Past Chair and Technician Symposium Chair for the Rochester Technican Affiliate Group (TAG)

Awards:

- Northeast Region, ACS Volunteerism Award (2006)
- TECH “Special Recognition” Award (2002, 2005)
- Salutes to Excellence” Award recipient (2004)
- Rochester Section Award (2001, 2005)
- Rochester Section, Special Recognition Award (1997)

Alternate Councilor – Todd Pagano

Biography:

Todd Pagano is an Associate Professor and Director of the Laboratory Science Technology program at Rochester Institute of Technology/National Technical Institute for the Deaf (RIT/NTID). He has worked on several pedagogical and chemical research projects and has presented or co-authored over one hundred papers at regional, national, and international symposia. He has been honored as a recipient of RIT’s Richard & Virginia Eisenhart Award for Excellence in Teaching, Albritton Faculty Humanitarian Award, and Faculty Mentoring Award- as well as the CASE/Carnegie U.S. Professor of the Year Award. He was also awarded the ACS’s Stanley C. Israel Award for Advancing Diversity in the Chemical Sciences and the National Award for Encouraging Underrepresented Students into the Chemical Sciences. He has been a member of the ACS for over 15 years and also serves on the ACS joint-board Committee on Chemists with Disabilities. As an alternate councilor and member of the executive team, he plans to continue to work to provide opportunities for underrepresented individuals in the field, build alliances between academia and industry, and progress the general goals of the local section.

Member-at-Large - Steve Tajc

Biography:

Stephen Tajc received his BS in Chemistry from Gannon University in Erie, Pa. He received both his MS and PhD in Biochemistry from the University of Rochester under Benjamin Miller where he studied small molecule receptors for binding cations in aqueous solution. Stephen’s post-doctoral research was with Ernesto Freire at Johns Hopkins University where he researched on the structural analysis of HIV-1 viral entry inhibitors. In addition, Stephen taught general chemistry at the Community College of Baltimore County while he was a post-doctoral fellow.

Stephen is currently in his third year as an Assistant Professor at Nazareth College teaching organic chemistry, drug design, and research. His research group has 14 students this semester, with many intending on presenting at both the Rochester Academy of Science and the ACS national meeting. Stephen also served at a moderator for two organic chemistry sessions at NERM 2012.

Stephen resides in Penfield, NY with his wife Jean, two-year old son George, and nine month old daughter Caroline.

Position Statement:

Nazareth College sent sixteen students to the ACS national meeting in New Orleans this past spring, and the majority of these students are from the Rochester area. I was delighted to have so many representatives of our small school presenting at such a high level. It is very satisfying to see local students excited about research while having the chance to present to their peers. I am eager to work with the local ACS section to further engage our students at our

local colleges in research and chemical education. My goal through the ACS is to increase the opportunities for young scientist and to keep our talented students in the Rochester area for years to come.

Member-at-Large - Mary Jane Pokora

Biography:

Mary Jane Pokora received her Bachelor of Science in Chemistry from St. John Fisher College and began her career at the University of Rochester with the Department of Environmental Health Sciences and Department of Neurobiology and Anatomy. During this time, she earned a M.S. in Education from the University of Rochester and New York State certification for teaching Chemistry and General Science (7-12). After accepting a position with Greece Central Schools, she taught courses in Chemistry, Forensics, and Science Applications, serving as Building Leader for Science and developing curriculum for the district. At this time, Mary Jane contributing to the Physical Setting/Chemistry assessment as an Educational Specialist with the New York State Education Department. She has spent the past several years in the Boston area working as northeast Educational Consultant with Pearson Digital Education and as District Support Coordinator with Shore Educational Collaborative, providing professional development and educational support for districts in the region. She has recently returned to Rochester, living in Fairport with her husband Jim.

Position Statement:

The ACS has a vital role in promoting interest and enthusiasm for chemistry through its many programs, including the Younger Chemists Committee and the high school awards program. I look forward to contributing to the Rochester section with the goal of making chemistry more accessible through teaching, learning, and positive educational experiences. I believe by becoming involved in the local section I can contribute to the community, providing opportunities to advance learning, involvement, and instruction.

Member-at-Large - Michael Coleman

Biography:

Michael G. Coleman, Ph.D. is a native of Rochester, New York. He graduated from Benjamin Franklin High School in 1993 and received his B.S. in Chemistry from the University at Buffalo in 1998. After serving 4 years as a research chemist at the Research and Development division of Praxair, Inc, he returned to the University at Buffalo and he received his Ph.D. in Synthetic Medicinal Chemistry. In 2007, he held a brief appointment as an Assistant Professor of Chemistry at South Carolina State University, and shortly thereafter, he joined the faculty at the Rochester Institute of Technology as a Visiting Assistant Professor (2008) and then an Assistant Professor of Chemistry (2010). In summers of 2010 and 2011, he occupied a joint position as a NSF Research Assistant at the Department of Energy's Brookhaven National Laboratory in central Long Island. He is a husband to Renee Coleman, Ph.D. Professor of Psychology at the Monroe Community College, and father of two. His interests include undergraduate research mentoring, traveling, and golf.

Position Statement:

As an underrepresented minority whose roots are in the City of Rochester, I have a personal and professional interest in broadening the pipeline of students in the chemical sciences. I wish to achieve this through community activism and outreach activities that aim to connect students with the local industrial, academic, and government chemical community. Currently, I am a faculty advisor for the RIT Science Technology Entry Program (RIT STEP), where we have partnered with the Alpha Chi Sigma (AXΣ) a professional chemistry fraternity, to facilitate a Saturday NOVA academy to expose students to hands-on workshops, mentoring, college & career exploration, and leadership training. The RIT STEP program serves selected

schools within the Rochester City School District, Rush-Henrietta School District, and Greece Olympia high school. Given a direct connection to the local K-12 and the RIT STEM communities, it is my goal to harness the national resources of the ACS to promote academic excellence in the chemical sciences for the Rochester community. Specific Aim (1): To promote and attract high quality students to participate in the ACS Project SEED program. Specific Aim (2): To develop a workshop with the members of AXΣ to visit area schools during National Chemistry Week 2014. Specific Aim (3): To train a network of Science Coaches for the local K-12 science teacher community. Specific Aim (4): To raise public awareness to the educational activities of the Rochester section of the ACS through social media.

Member-at-Large - Kermin Martinez-Hernandez

Biography:

Dr. Kermin Joel Martínez-Hernández grew up in Guánica on the southwest coastal shore of Puerto Rico. Kermin earned his Bachelor and Master of Science degrees in chemistry at the University of Puerto Rico–Mayagüez and graduated with a Doctor of Philosophy degree in chemical education from Purdue University. After graduation, he took a postdoctoral position in nanotechnology education at the Interdisciplinary Education Group of the University of Wisconsin-Madison's Materials Research Science and Engineering Center. There he developed nanotechnology educational materials as well as general science education curricula, outreach programs, and classroom activities. In addition, he has been a committed leader for several years within the Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) and he is currently a member of the General Chemistry Conceptual Exams Committee from the American Chemical Society (ACS). He is currently an Assistant Professor of Chemistry at St. John Fisher College, where he teaches general chemistry classes and organizes teacher workshops about differentiated instruction and problem-based learning.

Kermin resides in West Henrietta with his wife Nahyr and they are expecting a baby boy in December.

Position Statement:

As a Member-At-Large for the Rochester Section of ACS, I am interested in establishing collaborations with the high school chemistry teachers and expand outgoing outreach efforts in the surrounding community to make chemistry more accessible for the students. Especially, I would like to organize events to involve and encourage current members of the ACS Rochester Local Section to become ACS Science coaches and collaborate with the schools in the Rochester area. I am eager and look forward to bring my previous leadership expertise and experience in strategic planning process.

2013 Annual Awards Dinner:

The Rochester Section had its **2013 Annual Awards Dinner** on October 10, 2013 at Monroe's Restaurant. In addition to recognizing our 50 and 60 Year Members, **Robert West** (Penfield High School) received the Section's **2013 Teacher of the Year Award**.



Robert West

Dr. Carmen Giunta, Editor for the Bulletin for the History of Chemistry, was also present to award the **2012 Outstanding Paper Award from the Division of the History of Chemistry** to **Dr. Nicholas Zumbulyadis** for his paper "Böttger's Eureka! New Insights into the European Reinvention of Porcelain."

