

# DEL-CHEM

APRIL 2012

Volume 70/4

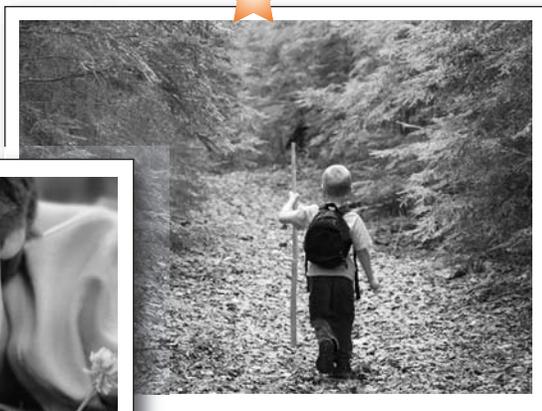
# Bulletin

**Chemists Celebrate Earth Day 2012**

*Hagley Museum and Library*

April 28, 2102

Chemists Celebrate Earth Day



# ELECTION ISSUE



For information on section activities visit our web site at:  
<http://del.acs.sites.acs.org/>

# Directory of Services



The fine, custom & specialty chemicals connection

## EXHIBITION & CONFERENCE

ATTENTION  
ACS CHEMISTS!

**MAY 8-9 2012 | PENNSYLVANIA | CONVENTION CENTER | PHILADELPHIA, USA**

### Delivering the right formula

Chemspec USA, the most significant new event in the global fine, custom and specialty chemicals arena opens its doors in Philadelphia on May 8, make sure you secure your place by registering today:

VISIT [WWW.CHEMSPECAMERICA.COM](http://WWW.CHEMSPECAMERICA.COM) AND REGISTER ONLINE NOW  
FOR FREE, FAST-TRACK SHOW ENTRY

#### 2 Days of World Class Conference Content

**Tuesday May 8:**  
Exhibition, Pharma  
Outsourcing Panel & Scientific  
Update Workshops



**Dr. Magid Abou Gharbia,**  
Former C&EN Editorial  
Advisory Board Member,  
Former Senior VP at  
Wyeth, now Associate  
Dean for Research,  
Professor and Director,  
Moulder Center for Drug  
Discovery Research,  
School of Pharmacy,  
**Temple University**



**Dr. William Murray,**  
Head of Chemistry,  
Cardiovascular  
& Metabolic  
Research, **Janssen  
Pharmaceutical  
Companies of Johnson  
& Johnson**



**Dr. John Ellingboe,**  
Senior Vice President of  
Discovery & Medicinal  
Chemistry, **GVK Bio**



**Dr. Tom Sowin,**  
Senior External  
Chemistry Manager,  
**Abbott Global External  
Research**

**Pre-Reception session  
featuring:**



**Jay Vroom,**  
President & CEO,  
**CropLife America**

**Wednesday May 9:**  
Exhibition, Agrichemicals  
Panel & Scientific Update  
Workshops



**Dr. Pat Confolone,**  
Current ACS Board  
Member, VP, Global R&D,  
**DuPont Crop Protection**



**Dr. Scott Hutchins,**  
Leader AgChem R&D &  
Global Crop Protection  
Function R&D, **Dow  
AgroSciences LLC**

**George Poe,**  
Global Supply Chain  
Leader, **DuPont Crop  
Protection**

**Dr. Mike Tomasik,**  
Technology Manager,  
North American  
Formulations  
Manufacturing, **BASF**

**ACS Short Courses will be  
offering the following courses  
alongside Chemspec USA:**

- Practical and Applied Gas Chromatography
- Introduction to GLP Regulations and Bioanalytical Method Validation by LC/MS/MS
- Analysis and Interpretation of Mass Spectral Data
- Chemical Engineering and Process Fundamentals for Chemists

For further details see  
[www.chemspec-events.com/usa/ACS](http://www.chemspec-events.com/usa/ACS)

#### Reasons to visit

- Philadelphia is easily accessible by road and rail from the Middle Atlantic region enabling many who do not usually have the time or budget to travel to more distant venues, the opportunity to visit Chemspec USA within a day
- Network with international suppliers of APIs, organic chemicals and other fine & specialty chemical suppliers
- Meet the experts from the Penn Merck High Throughput Experimentation Laboratory featuring Parallel Microscale Reaction Screening
- The opportunity to connect with CRO's and CMO's from across the globe
- Philadelphia is home to world class universities, pharma, bio and other chemical institutions
- Visit the Chemical Heritage Foundation while in Philadelphia
- Additional conference content will be offered from Scientific Update and Repella Group

#### Sample of Participants

AMPAC Fine Chemicals • Lonza • Sumitomo • TCI America • Optima • Isochem • Novasep • Kingchem • Porton Americas • Ubichem Pharma • UK Pavilion • European Pavilion • Halocarbon • The Chemical Co • Ortec • Perry Videx • Syrgis • VanDemark • PHT Int • Pressure Chemical Co • CRI • Pennsylvania Bio • The Dow Chemical Company • Chemtura and many more

#### Agenda

**Monday May 7 – Wednesday May 9**

**Monday May 7:**  
10.45 Start

2nd Scholarship Golf Outing at Manufacturers' Golf & CC in Fort Washington

**Tuesday May 8:**  
9.00am – 5.30pm

Exhibition, Pharma Outsourcing Panel

**Wednesday May 9:**  
9.00am – 5.30pm

Exhibition, Crop Science Panel

#### More Information

USA

**Benjamin W Jones** Global Consultant  
[jonescentury@verizon.net](mailto:jonescentury@verizon.net) | Tel: +1 610 225 2396

Europe/Asia Pacific

**John Lane** Sales Director Chemspec Events  
[johnlane@quartzittd.co.uk](mailto:johnlane@quartzittd.co.uk) | Tel: +44 (0) 1737 855 076

SCAN HERE TO  
REGISTER FOR  
FREE ENTRY



[www.chemspecamerica.com](http://www.chemspecamerica.com)

Organized by



Conference Partners



ACS  
Chemistry for Life®

Official media partner



Speciality Chemicals  
Magazine

Media partners

chemicalweek

ICIS

Chemical Weekly

CHEMISTRY TODAY

PharmaChem

## DEL-CHEM *Bulletin*

### EDITOR

Sheree R. Gold  
(610) 485-3479

Inter Media Consultants

### ADVERTISING MANAGER

Vince Gale  
(781) 837-0424  
MBO Services

### DELAWARE SECTION OFFICERS

Andrea E. Martin . . . . . Chair  
(610) 499-4515 Widener University  
aemartin1@widener.edu

Kathleen L. Opper . . . . Past Chair  
(302) 695-3244 DuPont  
kathleen.l.opper@usa.dupont.com

Andrea E. Martin . . . . . Chair-Elect  
(610) 499-4515 Widener University  
aemartin1@widener.edu

Julie Brady. . . . . Secretary  
(302) 453-3786 Delaware Technical Community College  
jbrady@dtcc.edu

Mary Jo Bock . . . . . Treasurer  
(302) 695-3271 DuPont  
mary.j.bock@usa.dupont.com

### DIRECTORS

Lois Weyer (2010-2012)  
(410) 392-1273 ATK  
lweyer2@verizon.net

Allison Moore (2011-2013)  
(302) 995-4140 Ashland  
abmoore@ashland.com

Jeffrey L. Moore (2012-2014)  
(302) 631-0314 Siemens Healthcare Diagnostics  
jefflmoore@comcast.net

### COUNCILORS

John Gavenonis (2010-2012)  
(302) 695-2690 DuPont  
john.gavenonis@usa.dupont.com

Martha G. Hollomon (2010-2012)  
marthahollomon@comcast.net

Tiffany Hoerter (2011-2013)  
(610) 423-8349 Morphotek/Critical Path Services  
thoerter@morphotek.com

Maggie Schooler  
(302) 695-3311 DuPont

Margaret.J.Schooler@usa.dupont.com

### ALTERNATE COUNCILORS

Norman W. Henry (2010-2012)  
(410) 398-9484 Retired DuPont  
shbp65@comcast.net

Nora S. Radu (2010-2012)  
(302) 695-3363 DuPont  
nora.s.radu@usa.dupont.com

Yanyu (Jade) Duan (2011-2013)  
jadeduan7205@yahoo.com

Srividhya Kidambi (2011-2013)  
(302)286-5425 Air Liquide  
sri.kidambi@airliquide.com

### “THE DEL-CHEM BULLETIN”

IS PUBLISHED EIGHT TIMES A YEAR.  
CIRCULATION— 2,400 COPIES PER ISSUE

## CHAIR'S COLUMN

April showers bring May flowers, and the April issue of the Del-Chem Bulletin brings your ballot for section elections. It seems as if we are hardly into the year 2012, but it is time to choose your officers and councilors for 2013. The Executive Committee and I have worked hard to provide contested elections for all offices, and while we have not been completely successful this year, we have expanded our ballot significantly compared to past years, and I hope that trend will continue. I am grateful to all the candidates who have agreed to run!

We have two elections for Chair-Elect. The first, for 2012, is to replace me as current Chair-Elect (Chair 2013). The second is in the normal sequence, to elect the Chair-Elect for 2013 (Chair 2014). The Director is a local governance position; duties are to serve on the Executive Committee and set policy. The Councilors represent the section at ACS National Council meetings and have the opportunity to serve on important national committees. Councilors make a significant commitment of their time and energy, as they are expected to attend both national meetings each year. The Alternate Councilors are elected from the same pool as the Councilors. Like Directors, Alternate Councilors have the responsibility for local governance, but they also provide backups for Councilors in the event a Councilor is unable to attend a national meeting.

Your vote really does count! In the past, we've had elections decided by a very small margin. It only costs one stamp and very little of your time to help direct the future of the section. Perhaps in the future, our by-laws will be amended and online voting will be permitted, but for now, we do it the old-fashioned way. PLEASE VOTE!

Speaking of elections, during the week of February 19, John Gavenonis, Al Denio, Martha Hollomon and I met with both US Senators from Delaware, Chris Coons and Tom Carper. Each year, our Government Affairs Committee schedules meetings with our congressional representatives to brief them on issues of importance to chemists. This year, we shared the ACS report, “Innovation, Chemistry, and Jobs,” which can be found online at <http://www.acs.org/creatingjobs>. John will post a summary of our meetings on the website and in a future issue of the Del-Chem Bulletin. We were especially delighted to inform Senator Coons that he and former US Senator

*continued on page 4*

# CHEMVETS

**TOPIC:** *Delmarva Dragons and Damsels in Stories and Pictures.*

**SPEAKER:** Professor Hal White

**DATE:** **Tuesday, April 17, 2012**

**PLACE:** DuPont. Chestnut Run

**TIME:** 12:00 Lunch (Admin. Bldg.)  
1:00 Lecture (Bldg. 713 auditorium)

**INFORMATION:**

George Parshall (658-2066; parshallgw@aol.com)

**BIOGRAPHY:**

Hal White graduated from Penn State with a B. S. in biochemistry and earned a Ph.D. in Biochemistry from Brandeis University. He joined the University of Delaware Department of Chemistry and Biochemistry in 1971 after postdoctoral research at Harvard. His research interests have been in the structure, function, and evolution of vitamin-binding proteins, particularly riboflavin-binding protein from chicken eggs. He has strong interests in intermediary metabolism and biochemical evolution. He was an early advocate of RNA enzymes.

Since the mid 1990s, his interests have focused on undergraduate education. During 1994-98, he served as Principal Investigator on the first NSF/DUE grant on Problem-Based Learning (PBL). His recent publications relating to PBL deal with the use of the research literature for problems, preparation of peer tutor-facilitators, faculty development, and capstone courses. Hal received the College of Arts and Sciences Outstanding Teaching Award in 2005 and its Outstanding Service Award in 2007. Currently, White is Professor of Biochemistry and Director of the Howard Hughes Medical Institute's Undergraduate Science Education Program at Delaware. Locally, he is also known as an expert on the dragonflies of the northeastern United States and has published a book on the Natural History of Delmarva Dragonflies and Damselflies.

**ABSTRACT:**

Many of the 130 species of dragonflies and damselflies known from the Delmarva Peninsula have strong preferences for particular aquatic habitats. Human activities have affected all habitats on the Peninsula. Some favor certain species and threaten others. Hal White has studied dragonflies as a hobby for over 50 years and will show pictures of many local species and will describe some of the habitat changes that have affected these large and often colorful insects.

**NEXT MEETING:** May 15: Murray Johnston (U of D) will speak on "Air Pollution in Delaware"

---

**CHAIR'S COLUMN** *Continued from page 3*

Ted Kaufman will receive the ACS Public Service Awards in April (see the announcement elsewhere in this issue).

This month the section will celebrate Earth Day in conjunction with the Hagley Museum's NatureFest on April 28. Please see the announcement in the Bulletin and make plans to attend with your family. Thanks to Todd Brugel for volunteering his time to organize this activity.

Finally, we need judges for several events. The Student-Industry Poster Session will be held at UD on April 24, and the Chemagination Contest (April 29) and the Kent County Science Fair (May 2) will both be held at Delaware State University. If you would like to volunteer your time to serve as a judge for any of these events, please let me know!

Please see the Calendar of Events for additional events in April – there are too many for me to discuss here! I hope to see you at one of them!

*Andi Martin*

# Delaware Section ACS 2012 Elections

## Tiffany Hoerter

Candidate for Chair-Elect 2012 (to fill balance of Andrea Martin's term)  
of the American Chemical Society



### Biography:

Tiffany is currently consulting for Critical Path Services as a CMC Project Manager in the pharmaceutical industry. Previous local employers include DuPont and AstraZeneca.

Tiffany graduated with a B.S. in Chemistry from the University of Wyoming where she completed undergraduate research on perfluorinated phosphine ligands and homogeneous catalysts in Professor Dean M. Roddick's group. She completed her M.S. in Organic and Organometallic Chemistry at San Diego State University under the direction of Professor Douglas B. Grotjahn where she worked on the synthesis of bifunctional rhodium pyrazole and pyrrole complexes for catalytic cyclization and coupling reactions of alkynols.

Tiffany has been an active member of the American Chemical Society since 2002 and an active member of the Delaware Local Section since 2007. She served as an alternate councilor from 2008 to 2010, and a councilor from 2010 to the present. In 2012, Tiffany accepted an appointment to the national ACS Committee on Economic and Professional Affairs.

During her tenure in the Delaware Local Section, Tiffany acted as the chairperson for the Delaware Section Younger Chemists Committee, which was nationally recognized with two ACS ChemLuminary Awards for Outstanding Local Section Younger Chemists Committee for 2007 and 2008. She has volunteered for many local and regional ACS events including the Mid-Atlantic Regional Meeting, National Chemistry Week Expo, Earth Day at AstraZeneca and Science Olympiad Events.

### Policy Statement:

In my role as Chair-Elect of the Delaware Local Section, I plan to advance the goals formalized in the ACS Strategic Plan for 2012 and Beyond:

1. Provide Information
2. Advance Member Careers
3. Improve education
4. Communicate Chemistry's Value

I will continue to support our established programs such as ChemVets, Government Affairs and NCW. I also intend to support and engage our new members who are at early- and mid-career level, encouraging them to utilize the extensive network and services the ACS provides.

The diverse chemical industry of our region has been greatly affected by the recent economic downturn of the past few years, but is beginning to show signs of recovery. As we move forward in this new corporate and educational climate, it is my hope that our local section can engage members in programs and provide services that are valuable. I will collaborate with local members and the executive committee to implement novel ideas for providing our members with informative, entertaining and engaging events.

While Chair-Elect, I plan to continue to represent local section interests at ACS National Meetings and promote them while shaping national policy. It is my goal to continue the tradition of service for which the Delaware Section of the ACS has received national accolades.

## Rakesh Nambiar

Candidate for Chair-Elect 2013  
of the American Chemical Society



### Biography:

Rakesh Nambiar is a Research Investigator at E. I. du Pont de Nemours and Company. He works in the Chemical Science & Engineering Division of Dupont Central R&D. Rakesh received his B. Tech in Polymer Science and Engineering from Institute of Chemical Technology in Mumbai, India. Rakesh received his Ph.D. in Polymer Chemistry in 2009 from Georgia Institute of Technology under Prof. David Collard. His PhD research mainly focused on the synthesis and characterization of functional conjugated polymers for applications in organic field effect transistors, light emitting diodes and polymeric solar cells. Rakesh is presently an active member of the national ACS POLY workshop committee.

*continued on page 6*

**Policy Statement:**

It is my honor to get this opportunity to be part of the ACS Delaware Section and would like to contribute to the fullest with its ongoing tremendous effort to promote chemical sciences in our community. As Chair Elect, I will work with the executive council team and everyone else to expand the existing programs and develop new activities. One of my focuses would be to create public awareness on the importance of chemical sciences in general in our society especially among high school, college students. I will work with the executive committee to plan seminars, activities from industry and academic professionals on interesting topics like emerging technologies, green chemistry, nanotechnology etc.

**Julie Brady**

**Candidate for Secretary:**

of the American Chemical Society

**Biography:**

I am the Instructional Coordinator for the Biology and Chemistry Department at the Stanton Campus of Delaware Technical Community College. I have been secretary of the Delaware Local Section since January 2012 and would welcome the opportunity to continue in this office. I received a B.S. in Chemistry from the University of Wisconsin-Madison and an M.S. in Analytical Chemistry from the University of Minnesota and was a lab manager in the School of Pharmacy at the University of Pittsburgh prior to relocating to Delaware. Since moving to Delaware, I have taught at both the high school and college level, and have been a full-time instructor at Delaware Tech for the past seventeen years.



**Todd Brugel**

**Candidates for Director:**

of the American Chemical Society

**Biography:**

Todd is a Delaware native and graduate of Muhlenberg College where he received his B.S. in Chemistry in 1994. He received his Ph.D. in Organic Chemistry from Indiana University in 2000 where he was a member of Professor David R. Williams' research group investigating the total synthesis of the marine alkaloid norzoanthamine. Todd then spent a year as a post-doctoral scholar in Professor Louis S. Hegedus' group at Colorado State University. He joined Procter & Gamble Pharmaceuticals as a medicinal chemist in 2001 where he designed and synthesized novel inhibitors of protein kinases targeting inflammatory diseases. In 2006, he accepted a position in the Lead Generation Chemistry Department at AstraZeneca Pharmaceuticals here in Wilmington. As a Team Leader, he led medicinal chemistry Lead Identification efforts for projects aimed at identifying new treatments for psychiatric disorders. In 2010, Todd joined Lundbeck Research USA as a Senior Research Scientist in the Chemical & Pharmacokinetic Sciences Department where he continued to pursue research into new therapeutics for neurological diseases. Todd has recently returned to Delaware, and is seeking new professional career opportunities in which he can apply his research, leadership and mentoring skills. His interests and hobbies include playing basketball, volleyball and bass guitar. He has been a member of the ACS for 18 years and is currently the Delaware Local Section Coordinator for Chemists Celebrate Earth Day (CCED).



**Policy Statement:**

As a Director of the Delaware Section ACS I will work to support the policies and initiatives recommended by the Executive Committee. The training of local students for future careers in chemistry, and support of area scientific professionals facing career transition challenges are two key areas I would aim to focus attention. Through closer involvement with schools and government supported STEM education programs, we can continue to positively influence the quality of science training our youth receive. By promoting more networking events, career training activities and job search resources we can help place existing chemistry talent into new positions within our community. I'm grateful to have been nominated for this position and appreciate the chance to serve our local Section further through this opportunity.

*continued on page 7*

*continued from page 6*

## **Craig Westphal**

**Candidates for Director:**  
of the American Chemical Society

### **Biography**

Craig Westphal is currently a Research Associate in the Corporate Center for Analytical Sciences group at DuPont, where he has worked for the past 7 years. Prior to that, he was a visiting scientist in the Materials Science division at the Naval Research Laboratory in Washington, DC. Craig received his B.A. degree in Chemistry from Wittenberg University, and a Ph.D. degree in Analytical Chemistry from the George Washington University under the supervision of Professor Akbar Montaser. His current work is focused on trace metals analysis using ICP-MS in support of numerous R&D programs, as well as serving as a technical liaison for the Titanium Technologies business. He has also been involved with strategic planning and technical mentoring within the analytical organization. Craig lives in Landenberg, PA with his wife and 3 children, where he is active within the local school district and Boy Scouts. He can be found most fall Saturday mornings flying an Ohio State flag in front of his house, to the contempt of his neighbors. Craig has been a member of the ACS since 1997.



### **Policy Statement:**

I look forward to the opportunity of serving our members and the community at-large. I believe my connections within DuPont and the surrounding community will be an asset in expanding outreach opportunities and in helping attract new members to the section.

## **Brian Bahnson**

**Candidates for Councilor/Alternate Councilor**  
of the American Chemical Society

### **Biography:**

Brian Bahnson received a Ph.D. in Chemistry from Brown University in 1991 studying the chemical mechanism of crotonase in the laboratory of Dr. Vernon Anderson. He was a postdoctoral fellow in the Chemistry Department at UC, Berkeley with Dr. Judith Klinman and later at Brandeis University with Greg Petsko and Dagmar Ringe, where he studied X-ray crystallography of several enzyme systems. He joined the faculty in the Department of Chemistry and Biochemistry at the University of Delaware in 1998 and was promoted to Professor in 2011. His research has focused on enzyme catalysis, membrane associated enzymes and enzymes associated with oxidative stress.



### **Policy Statement:**

I would like to serve the local chapter of the ACS as an alternate councilor in order to help facilitate more interactions between academia and industry, as well as foster interactions between students and potential employers.

## **John Gavenonis**

**Candidates for Councilor/Alternate Councilor**  
of the American Chemical Society

### **Biography:**

John Gavenonis is the Global Technology Manager–Renewable / Sustainable Materials at DuPont Performance Polymers (DPP). In this position, he leads DPP's global R&D program to develop new engineering thermoplastic resins derived from renewable feedstocks. Commercial products include Sorona® EP, Zytel® RS, and Hytrel® RS. Prior to this role (April 2009 to November 2010), John was part of the DPP industrial, consumer, and energy marketing group, where he expanded applications for DPP products in the global health care market segment. From December 2006 to April 2009, John was part of the Engineering Polymers technical service group with responsibility for Zytel® and Minlon® nylon products. He started at DuPont in November 2003 as a Research and Development Chemist in the business extensions group at DuPont Titanium Technologies, where his research supported new business development initiatives.

John received an S.B. degree in chemistry from MIT, where he conducted undergraduate research on early transition metal polymerization catalysts with 2005 Nobel Laureate



*continued on page 8*

**John Gavenonis** *continued from page 7*

Professor Richard R. Schrock. He earned his Ph.D. in organometallic / inorganic chemistry in 2003 from the University of California, Berkeley under the direction of Professor T. Don Tilley. His thesis research focused on the development of early transition metal complexes containing sterically demanding ligands and reactive sigma-bonds. John is originally from Larksville, Pennsylvania.

John has been a member of the American Chemical Society since 1998, is a member of the Division of Inorganic Chemistry, is a former member of the California Section, and is currently Councilor and Government Affairs Committee Co-Chair for the Delaware Section. As Councilor, he is a member of the Local Section Activities Committee (LSAC) and is the LSAC liaison to the Committee on Chemistry and Public Affairs (CCPA). He was formerly Chair, Secretary, and NCW Chair of the Delaware Section. John is a member of the MIT Alumni Association Board of Directors where he is developing a policy advocacy program for MIT alumni that is similar to the ACS Act4Chemistry Legislative Action Network (LAN).

**Policy Statement:**

During my first two terms as Councilor, I have been a member of LSAC, where I have served in several leadership roles. As a member of the Local Section Assistance and Development (LSAD) subcommittee for the past 5 years, I worked with a number of local sections to help improve their meeting programming and attendance. As an example, I had extensive contact with a local section in the mid-Atlantic region, culminating in a visit with ACS staff to deliver a presentation outlining tools and resources for local section development. In addition, I chaired the LSAC task force that reviewed the Science Café program and made recommendations to LSAC about how to continue and improve this popular program. Most recently, in 2012, I became the LSAC Alliances and Partnerships subcommittee chair.

As Councilor for the Delaware Section, I attended the Council meetings during eleven of the twelve national meetings that occurred during my terms, missing only one meeting that was a few weeks after the birth of my son. Following the meetings, I provided a written summary of Council actions and key ACS activities that was published in the Del-Chem Bulletin.

In addition, I leveraged my experience as a CCPA liaison to enhance public policy advocacy in my role as Delaware Section Government Affairs Committee (GAC) Co-Chair. Under my leadership, Delaware Section policy advocacy has been significantly more focused, addressing timely legislation of interest to ACS with regular meetings with our federal legislators in their Delaware and Washington offices. These efforts are documented on the Delaware Section website (<http://delacs.sites.acs.org/apps/forums/show/2473069-government-affairs>) and were recognized with the ACS President's ChemLuminary Award for Local Section Government Affairs in 3 out of the past 5 years.

If I am re-elected, I will continue to take advantage of my experience in multiple Delaware Section roles to maintain the strong bridge between the Delaware Section and ACS National. Councilors are responsible for articulating local section concerns when constructing national policy. As Councilor, former Secretary, Government Affairs Committee Co-Chair, and Past-Chair, I've been fortunate to interact with many of our members in the course of planning and organizing section meetings. These opportunities have allowed me to better understand the varied interests of our 1,700+ member Section. As Councilor, I will articulate our common interests for the advancement of the chemistry community and public policy, and I will be available to address individual member concerns. Furthermore, I will work with ACS National representatives to emphasize timely, relevant programs that address Delaware Section interests.

**Norman W. Henry III**

**Candidates for Councilor/Alternate Councilor**  
of the American Chemical Society

**Biography:**

Norm is a radiation control specialist working part time with the office of radiation control for the Delaware Division of Public Health. He worked before as a senior research chemist and industrial hygiene consultant for the DuPont Company at the Stine-Haskell Research Center in Newark, DE. He has a Bachelor's degree in chemistry from Lafayette College and Master's degree from the University of Delaware. He worked for DuPont for 37 years and has been a member of the ACS for 46 years. He is a member of ASTM, AIHA, and HPS. He has served on many technical committees and published over 40 technical articles in peer reviewed journals. He served as a member of the Delaware Radiation



*continued on page 9*

**Norman W. Henry III** *continued from page 8*

Authority for 25 years and received a Senate tribute from the State for his contributions. He is a Fellow member of ASTM and AIHA (American Industrial Hygiene Association). As a member of the Delaware local ACS section, Norm has served as advertising manager for the Del-Chem Bulletin, Treasurer, Chairman, Director and currently is an Alternate Councilor. He also has been chairman of the Safety and Awards committees. He has participated in National Chemistry Week, Educational committee activities and recently was elected a member of the editorial board of the Journal of Chemical Health and Safety (JCHAS). He has taught both chemistry and industrial hygiene at Delaware Technical Community College for the past 25 years.

#### **Policy Statement:**

I have always been involved in chemistry and the Delaware ACS section activities since joining DuPont over 46 years ago. I have been fortunate to have had the support from DuPont and my family to continue to work, teach and contribute to our community and society. Chemistry is one of the basic sciences that can make a difference in our lives and environment. Understanding chemistry is a challenge for many people in our world today, but with the help of our local and national organizations we can communicate the benefits of chemical technology and innovations that can improve our lives and environment. Communication takes time and involvement of people willing to share their knowledge. For many of us this involves volunteering to participate and serve as a leader to make things happen. I am willing to continue to share my time as a councilor for the Delaware Section and work with other volunteers in our section to make a difference. As a representative from our section to the national meetings I would support educational programs and efforts to improve understanding chemistry in our community. One effort, I would like to explore is the opportunity to develop local mentoring programs with industry and academia so that there is an exchange of knowledge and potential growth in career development for students looking for jobs and chemists in job transition.

### **Martha Hollomon**

**Candidates for Councilor/Alternate Councilor**  
of the American Chemical Society

#### **Biography:**

Martha Hollomon received her B.S. from Virginia Tech. Upon completion of her undergraduate studies, she worked as a polymer chemist at the Research Triangle Institute in Research Triangle Park, North Carolina. She obtained M.S. in Textile Chemistry in 1993 and Ph.D. in organic chemistry in 1998 from North Carolina State University. Her thesis research focused on Polymeric Assemblies as Organic Based Molecular Magnetic Materials. Martha was active in the North Carolina Section before relocating to Delaware. After completing her graduate studies, Martha accepted a position as a Senior Research Chemist in the Pulp and Paper Division at the Hercules Incorporated (now Ashland) Research Center. She currently teaches at Widener University and Delaware Technical and Community College. She has been actively involved in the Delaware Section serving as National Chemistry Week (NCW) Chair 1999, 2000, 2003; Chair-Elect 2001, Chair 2002, Immediate Past Chair 2003, and Councilor (2004-present). She actively serves on the following Delaware Local Section Committees: National Chemistry Week, Government Affairs, Kids & Chemistry, Annual Report, and Education.



As Delaware Section Councilor, Martha served on ACS Council Committee of Local Section Activities (LSAC), LSAC liaison to Public Relations and Communication (CPRC); LSAC Advocacy Task Force; Silver Circle – Senior Chemist Task Force; and Committee on Meetings & Expositions (M&E). Martha also serves as Executive Secretary for the Middle Atlantic Regional Meeting Board (MARM); Delaware Section MARM delegate; General Chair of MARM 2010 hosted by the Delaware Section. Martha received recognition from the Delaware Section with Tillmanns-Skolnik Distinguished Service Award and National ACS Salute to Excellence Award during the 234th National Meeting from 2007 President Catherine (Katie) T. Hunt recognizing Martha's organization of Katie's two day Presidential visit to Delaware where Katie spoke to Delaware Senate, Delaware House of Representative, Governor, Lt. Governor, Secretary of Education, Delaware Teachers' reception, Delaware Biotechnology Institute, six classrooms, and 50- & 60-year Delaware ACS members.

#### **Policy Statement:**

I am honored to be re-nominated for Councilor of the Delaware Section and solicit your vote so I may continue to represent you on the ACS Council. A Councilor represents the interests of Delaware Section members on the Council. The Councilor position is a vital office for the Section as he/she is responsible for representing the Section's positions on the Council floor and for serving on the governing committees of the ACS. Also, the Councilor serves on the Section's Executive

*continued on page 10*

**Martha Hollomon** *continued from page 9*

Committee and participates in all decisions affecting the activities of the Section. Since I became a Councilor in 2004, I served for seven years on the ACS Council Committee of Local Section Activities (LSAC), which is the primary voice of the Local Sections in ACS governance. Currently, I am serving on the Meetings and Expositions Committee (M&E) where I will continue to work to improving the operation of our National and Regional meetings and facilitate the electronic dissemination of program content to our members. As all of us know, we live in an interesting time with the industry undergoing considerable changes. I believe the ACS and the Delaware Section need to address the needs of the members and to enhance the value of their ACS membership. Moreover, we should continue involving our members at all age levels in Section activities, to recruit new members, and to maintain the interest of our members in our profession. I do greatly enjoy my volunteer work for the Delaware Section and the ACS. I shall welcome the opportunity to continue to serving the members of the Delaware Section as Councilor. If re-elected to the position of ACS Councilor, I pledge to continue to work diligently to advance the objectives and strengths of the Delaware Section. I would appreciate your support in this election!

## **Nora Radu**

**Candidates for Councilor/Alternate Councilor**  
of the American Chemical Society

### **Biography:**

Academic History: B.S., 1990, Ithaca College; Ph.D., 1995, University of California, San Diego with T. Don Tilley; Postdoctoral Associate, 1995-96, Massachusetts Institute of Technology/Los Alamos, with Stephen L. Buchwald and Carol Burns; N. I. H. Postdoctoral Fellow 1996-1998, Massachusetts Institute of Technology, with Stephen L. Buchwald. Current Position: Research Associate, DuPont Co., Experimental Station, Wilmington, DE. ACS Activities: Alternate Councilor, Division of Inorganic Chemistry, 2000-2002; ACS National Meeting Symposium Organizer, 2004; Alternate Councilor, Delaware Local Section 2007-present; Ballot Counter for the Delaware Local Section, 2008-present; Organizer of the Organometallic Chemistry sessions for the Division of Inorganic Chemistry, 2008-present; Program co-chair for the Division of Inorganic Chemistry, 2010-present. Other Significant Professional Activities: Chair, Gordon Research Conference on Organometallic Chemistry, 2007; Initiator of the Gordon-Kenan Research Seminar on Organometallic Chemistry, 2006; Chair, 1st Gordon-Kenan Research Seminar on Organometallic Chemistry, 2007. Research Interests: Organometallic, polymer and materials chemistry; design and synthesis of organometallic and organic materials for optical applications.



### **Policy Statement:**

As a councilor, I would work with the current section officers to assist in the section's continuing involvement in the Delaware community. In particular, I would continue on expanding the section's tradition of supporting science education. The section has many excellent outreach programs geared to school age children. My interest is in further broadening these programs to preschool, kindergarten and elementary school age children. The ACS offers many resources to help expose young children to science which can be adapted to the local level and aid in providing more science education to the students in our local preschool/kindergarten centers and elementary schools.

## **Hongli Wang**

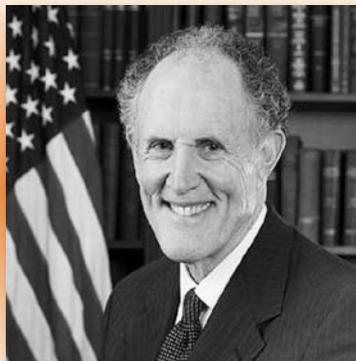
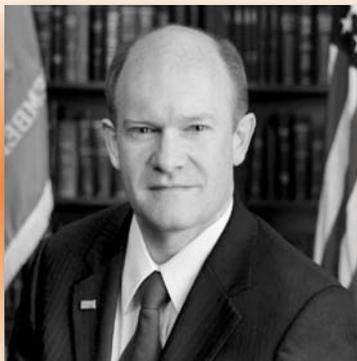
**Candidates for Councilor/Alternate Councilor**  
of the American Chemical Society

### **Biography:**

Hongli Wang got her Ph.D in materials physics in 2007 from The University of Delaware. Her thesis research was focused on metallic nanoparticles and their organo-complexes synthesis by wet chemistry methods and their applications in the fields of catalysis, biotechnology and data storage. She started her first job as an analytical chemist with QPS, LLC in Newark, Delaware, while working on design and execute HPLC, LC-MS/MS experiments for the development and validation of sensitive, efficient and reliable assays for Pharmacokinetic (PK)/ Toxicokinetic (TK) assessment for a preclinical or clinical study in compliance with the Food and Drug Administration (FDA) Good Laboratory Practice Regulations (GLP). She is now working for DuPont while studying part-time MBA at the University of Delaware. She is expected to receive the MBA degree by 2012.



# ACS Award for Public Service



The Delaware Section of the American Chemical Society is pleased to announce that the 2012 American Chemical Society Award for Public Service will be presented to US Senator Christopher Coons and former US Senator Ted Kaufman, both of Delaware, and Congressman Roscoe Bartlett of Maryland.

Senator Coons is recognized for the Job Creation through Innovation Act, which proposed that the research and development tax credit be made permanent. He introduced the ACS's "International Year of Chemistry" Senate resolution, and worked with ACS to gather bipartisan co-sponsors. Senator Coons has been a significant sponsor of the ACS Science & the Congress briefings. He serves on the Senate committees on Budget, Foreign Relations, Energy and Natural Resources, and the Judiciary, and is the only current US Senator with an undergraduate degree in chemistry.

Former Senator Ted Kaufman served from January 2009 until November 2010, filling the seat vacated by the election of Joseph Biden as Vice-President of the United States. At the time, as the only Senator to have worked as an engineer, Kaufman was especially active in promoting the expansion of STEM (Science, Technology, Engineering, and Math) education. He helped secure \$400,000 to fund research and extension grants for women and minorities in STEM fields in a spending bill signed into law on October 16, 2009. In April 2010, Kaufman received the American Society of Mechanical Engineering's prestigious President's Award, presented to companies and individuals who have made significant contributions to the engineering profession.

The presentation of the ACS Public Service Award will take place on Tuesday, April 24, 2012, from 5-7 pm at the Rayburn House Office Building, B338-340, in Washington, DC. The ACS Award for Public Service recognizes outstanding contributions to public service or to public policy that benefits the chemical sciences. The award was established in 1996.

---

## TELL OUR ADVERTISERS

Membership surveys show that you want more articles in our newsletter. If you tell our advertisers that you saw their ad here, they will provide more financial support and this will allow us to add more articles.



## April Already

*Al Denio*

### *Earth Day*

April 22nd is recognized as Earth Day which began in 1970. This was started by Senator Gaylord Nelson of Wisconsin, long recognized for his environmental concerns. He was a friend of our former Governor Russ Peterson whom he met at the University of Wisconsin. Peterson completed his Ph.D. in Chemistry in 1942 while Nelson finished his law degree that year. Russ came to DuPont while Nelson joined the Army.

In 1948 he was elected to the Wisconsin Senate. After serving ten years he was elected Governor. Then in 1962 he moved to the U.S. Senate (1963-1981).

Val and I moved to Newark for a Visiting Professorship during 1978-79. During Spring Break, we took our three kids on a visit to Washington. We made an appointment to see Senator Nelson and luckily he was available and the Senate was not in session. After spending over an hour in his office he asked about our lunch plans – it was almost noon. I replied that we were planning to eat in the basement cafeteria. He asked if we would like to have lunch in the Senate dining room. We readily agreed. He apologized that he could not join us but took us there and had the Head Waiter get us a table. It was a very kind gesture. Val and I were impressed and our kids were amazed! The service and food were wonderful – our tax dollars at work.

In February I contacted Geoff Halfpenny, Director of the Hagley Museum and Library, to ask if the ACS could partner with Hagley for Earth Day. He suggested that we join forces for NatureFest on April 28th. This is a combination of Earth Day,

Arbor Day and May Day. We have agreed to this partnership so I met with the Hagley group. Todd Brugel is heading the ACS effort and prepared the announcement that appears in this issue. I gave the Hagley group responsibility for the weather; the event will be held rain or shine. Please come and join the fun. We'll be handing out helium filled balloons plus other items. Yes, plan to see some chemistry taking place. Why not volunteer?

### *Science In An Election Year*

Our country is facing many serious issues that need to be approached based upon science. Climate change, energy production, nuclear issues, water purity and health care are just a few of these issues that need open discussion. Luckily Delaware elected Senator Chris Coons who earned his undergraduate degree in Chemistry. He is the only person with that background (1%) in the Senate. The situation in the House of Representatives is not much better.

Then there are the others who must decide which candidates to support. How about the scientific literacy of these citizens? This is what really scares me!

Let us consider the dangerous emissions from coal burning power plants. One of the most toxic is mercury. The dangers of these emissions have been known for years and yet the politicians have fought the EPA efforts to reduce these mercury levels. Coal states like Pennsylvania, West Virginia and Illinois want us to keep burning this dirty fuel - it provides them with jobs and taxes. Thus, the science of air pollution and how to reduce it gets ignored.

*continued on page 13*

*Al Denio continued from page 12*

Perhaps we need a new approach – STEM standards could be set for the right to vote and to get a driver's license. (STEM = Science, Technology, Engineering and Math).

### ***Delaware Academy of Chemical Sciences***

The University of Delaware has been providing space in the old Chrysler Administration Building for us to store the Joe Labovsky Nylon Museum Collection. However, they are about to refurbish that building so we had to move the collection. U.D. provided a new space in a storage building on the same site. However, this building has no climate control so that this historic collection will be at great risk in hot weather.

We need to find a new clean, safe and dry space with climate control by May 1st. The amount of space is not huge. It has been moved before using two car trunks plus the rear seats. Can you help us? We are asking for "temporary" space until we find a permanent home for our Chemistry Museum/Outreach Center during the next year. You can become a "Chemistry Angel" without even writing a check. And yes, we do accept cash, checks, Au, Ag, Pt and real estate. Our dues are a modest \$25/year, \$15 for academics and \$10 for students. Contact me at (302) 455-0389 or [alvaldenio@aol.com](mailto:alvaldenio@aol.com).

## **Chemists Celebrate Earth Day 2012**

**"Rethinking Recycling — It's Easy to Be Green!"**

**Date:** Saturday, April 28, 2012

**Time:** 10:00 AM – 3:00 PM (Rain or Shine!)

**Where:** *NatureFest!*  
Hagley Museum and Library  
200 Hagley Rd  
Wilmington, DE 19807

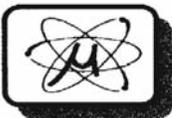


In recognition of Earth Day on April 22, 2012 the Delaware Section of the American Chemical Society will be participating in Hagley's NatureFest, a combined celebration of Earth Day, Arbor Day and May Day.

This family event will have plenty to do including games, food, nature walks, arts & crafts, and science demonstrations to help children of all ages learn more about water, plants, and ways to 'Be Green' through Reducing, Reusing, and Recycling!

Admission is \$2 for Hagley members, \$3 for not-yet-members, and FREE for children 5 and under. Please contact Todd Brugel at [brugel.ta@gmail.com](mailto:brugel.ta@gmail.com) for more information.

# Directory of Services



## Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION  
MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA • EPA/WDXA • XRD XRF • ESCA • AUGER • FTIR • DSC/TGA

Registered with FDA • DEA GMP/GLP Compliant

3815 Lancaster Pike Wilmington DE. 19805  
E-Mail [micronanalytical@compuserve.com](mailto:micronanalytical@compuserve.com)

Voice 302-998-1184, Fax 302-998-1836  
Web Page: [www.micronanalytical.com](http://www.micronanalytical.com)



## Robertson Microlit Laboratories

*Where speed and accuracy are elemental*

Elemental CHN, S, X, Analysis ( same day service )

Metals by ICP-OES, ICP-MS, A/A

FTIR, UV/VIS Spectroscopy

Ion Chromatography

Bioavailability

Polarimetry

DSC, TGA, melting point

KF Aquametry, Titrimetry

1705 U.S. Highway 46 • Suite 1D • Ledgewood, NJ 07852 • 973.966.6668 • F 973.966.0136

[www.robertson-microlit.com](http://www.robertson-microlit.com) • email: [results@robertson-microlit.com](mailto:results@robertson-microlit.com)

**Rapid Results • Quality • Accuracy • Competitive Pricing**

# NMR<sub>Service</sub> 500MHz

**\*Mass**

**\*Elemental Analysis**

## NuMega Resonance Labs

[numegalabs.com](http://numegalabs.com) P- 858-793-6057

## INDEX OF ADVERTISERS

Chemspec USA.....	2
MassVac.....	15
Micron .....	14
NuMega Resonance Labs .....	14
Robertson Microlit Laboratories....	14

## Directory of Services

### A good vacuum system

### needs a great vacuum trap:

**Posi-Trap** positive flow  
vacuum inlet traps!

- No "blow-by" . . . **ever!**
- Filter elements matched to **your** application.
- **Easy** cleaning and changing.

**When you want the best, you want MV Products.**



**PRODUCTS**

*A Division of Mass-Vac, Inc.*

247 Rangeway Road ■ PO Box 359 ■ North Billerica, MA 01862  
978 667 2393 Fax 978 671 0014 sales@massvac.com www.massvac.com

### RECRUITING WEB SITE LISTING DIRECT TO YOUR SITE

There are two important ways to recruit through our services. One is to place a print ad in the Del-Chem Bulletin. The other is to place a web site ad reaching out to 40,000 ACS members. We recommend using both low cost methods.

You can view both of these opportunities by going to the link below.

Who uses these options?

- Companies for lab, management and sales personnel
- University & College teaching positions
- Hospitals for technical and research personnel

We provide more qualified resumes because of the highly targeted technical audience.

**info -- [www.mboservices.net](http://www.mboservices.net)**

### SURPRISE

our editor by calling and saying you appreciate the quality and content of our newsletter. Our editor works hard to maintain a publication of interest to our membership. Oh, and by the way you could also give credit to our advertisers who financially support us.

*Published by the Delaware Section of*  
**the American Chemical Society**  
*P.O. Box 711 – Montchanin, DE 19710*

Nonprofit Organization  
U.S. Postage

**PAID**

WILMINGTON, DE  
19850

Permit No. 1602

## CALENDAR OF EVENTS

### April

- 2** Science Café at Stoney's Pub  
Carothers Award Banquet  
AAUW Math/Science Honors Luncheon for 11th Grade Girls  
Chem Vets  
**15** Technology Forum of Delaware – Intellectual Property Strategies  
for Competitive Advantage  
**17** UD President's Forum on Innovation and Entrepreneurship  
National High School Chemistry Exam, St. Mark's HS  
Philadelphia Science Festival  
**18** Student-Industry Poster Session  
Chemists Celebrate Earth Day/Hagley NatureFest  
Chemagnation Contest  
Executive Committee Meeting

### May

- 2** Kent County Science Fair  
**4** Delaware State High School Chemistry Exam, McKean HS  
Chem Vets  
**15** Philadelphia Section Career Workshop  
**17** Wintertur "Uncorking the Past: The Archaeological and Chemical  
Origins of Viticulture"  
50- and 60-year Member Luncheon and High School Awards  
Executive Committee Meeting

TBA

TBA