Recognition of 50-, 60-, and 70-Year ACS Member

Saturday, September 16, 2017

11:30 am to 1:30 pm
DoubleTree by Hilton
4727 Concord Pike
Wilmington, DE 19803

For information on section activities visit our web site at:
www.delawareacs.org
Celebrate National Chemistry Week (NCW) 2017!
Theme: “CHEMISTRY ROCKS!”

Date: Saturday, November 4, 2017
Time: 12:00 PM – 4:00 PM
Location: The Independence School, 1300 Paper Mill Road, Newark, DE 19711
Contact: Maggie Schooler (schoolermj@gmail.com, 302-753-5799)

Come celebrate the 30th anniversary of National Chemistry Week as we discover why Chemistry Rocks! Join us for a day of discovery, hands-on science experiments, and a ROCKING chemistry demonstration!

Celebrating Chemistry:
The Celebrating Chemistry publication is designed to engage and educate children in the basic principles of chemistry and is available in both English and Spanish. This National Science Education Standards-aligned hands-on activity publication for elementary school students highlights multiple, fun experiments that can easily be done right in your own kitchen or backyard.

K-12 Contest:
The National illustrated poem contest will focus on this year’s NCW theme. Participants are encouraged to illustrate concepts related to the topic. The illustrated poems relate to common applications of chemistry that people might not normally think is related to chemistry. More information will be available on our website (www.delawareacs.org) by September 1st. Prizes will be available at the event.

Each year National Chemistry Week reaches millions of people with positive messages about the contributions of chemistry. Join in the celebration of NCW 2017! Visit www.acs.org/ncw for more information.

National Chemistry Week is a program of the American Chemical Society’s Department of Volunteer Support.
CHAIR’S COLUMN

It’s another Fall season. How was your summer? By the time you read this, the merger between Dow and DuPont should be completed. A new school year opens. I am excited about the months ahead. First, we will hold our 50-, 60- and 70-year members celebration on September 16th at the DoubleTree By Hilton Hotel on Concord Pike. You can find more information about this luncheon in the announcement section.

I remember last year’s celebration. I mean these accomplished individuals have been ACS members longer than I have been alive! I had the privilege of talking to several of them and their spouses. Their experiences are quite diverse. They had many wonderful stories to tell. And of course, their perspectives on careers in the chemical sciences over the last many decades are so enriching and valuable. I urge you to join us on September 16th. It will be fun. Congratulations to our 50-, 60- and 70-year members for 2017! On behalf of the executive committee of the DE ACS, I would like to thank you for your loyal service and commitment.

Second, we will have our annual National Chemistry Week on Saturday November 4th at the Independence School in Newark. The theme will be “Chemistry Rocks.” Please see the announcement in this bulletin.

Third, we will celebrate our Section’s centennial birthday next year. The preparation work has begun. Thank you Norm Henry for taking on the task of leading the preparations. Over the past century, our Section has had a rich history. Just looking at some of the discoveries made by our members makes me feel very privileged and proud. Thus, if continued on page 6

Disclaimer: The views and opinions expressed in the columns are those of the contributors and do not necessarily reflect those of the Delaware Local Section.
CALL FOR NOMINATIONS

Delaware Section Award
The purpose of this award is to recognize conspicuous scientific achievement in an area of chemistry or chemical engineering by a Delaware Section member. The Award, established in 1956, is funded by the ACS Delaware Section, and consists of a certificate and honorarium. It will be presented at the January 2018 Delaware Section meeting, at which the recipient is the main speaker. Any member of the ACS Delaware Section may be nominated for this award. Nominations, which are processed through the Awards Committee, may be based on the member’s single or extended activities. The scientific achievement and contribution should be of such a nature that a meaningful address before the Section can be given. Previous recipients may be nominated based on new contributions. Nomination should take the form of a written documentation of achievements and contributions with supporting references such as patents and publications. The deadline for nomination is November 15, 2017.

Tillmanns-Skolnik Award
The Delaware Section Awards Committee is accepting nominations for the Tillmanns-Skolnik Award to be given in January 2018. The award is granted for outstanding contribution to the content of Section programs, to the administrative function of the Section, or to the improvement of the public perception of the Section. Either a single noteworthy achievement or long continuous service may be recognized. Any Delaware Section member can submit the name of a nominee and a short description of the nominee’s qualifications for the award. The nominee cannot be a voting member of the Executive Committee during the calendar year prior to the presentation of the award. The deadline for nominations is November 15, 2017.

Lillian Webster Award
This award is given to recognize unusual service or extra-ordinary dedication to the Delaware Section through long term activity or other meritorious work. It is given sporadically at the discretion of the Chair to a non ACS member who has served the Delaware Section by giving freely of their time for the betterment of the section. The deadline for nominations is November 15, 2017.

Submit nominations to the Awards chairman:
Norman W. Henry III
129 Ballantrae Drive
Elkton, MD 21921-2982
(410) 398-9484
E-mail: SHBP65@comcast.net
Our section members who have held membership in ACS for 50, 60 and 70 years are recognized annually. The DE Section of the ACS would like to express our sincere appreciation for your continued service and support.

Date: Saturday, September 16th, 2017
Time: 11:30 - 1:30 pm
Location: DoubleTree by Hilton,
4727 Concord Pike, Wilmington, DE 19803
Cost: $15 (free for the 50, 60 and 70 year members)
Event type: Registration required.

1. Use the link provided on the section website http://www.delawareacs.org/ to register online.
2. Members who are unable to register online please call Giang Vo at 302-695-7318.

Congratulations to our 50, 60 and 70 year members for 2017!

50 year members
Richard James Arhart
Richard Anthony Baldwin
Pat N. Confalone
Fredric Davidson
Richard Frank Davis
Frank Paul Dininno
Jodie Lee Duke, Jr
Stephen Ernest Jacobson
Lorenzo Fred Pelosi
David Alexander Simpson
Bruce Edmund Smart
Chadwick Alma Tolman
Donald John Toton

60 year members
Nicholas Apostolakis
Yuan Tsan Chia
Robert L. Cohen
John W. Collette
Anthony Foris
Jerald Rice Harrell
Richard A. Javick
Albert Carl Perrino
Richard W. Rees
John C. Summers
George A. Ward
Edward Wayne Zahnow

70 year members
Edward G Brandenberge
Donald Miller Nace
William R Schmitz
Gilbert J Sloan
Malcolm A Smook
John W Way
Election Results – 2017

A total of 235 valid votes and 3 abstentions were received. Results are as follows.

Chair Elect (2018):
**Piril Ertem**

Secretary (2018):
**Julie Brady**

Treasurer (2018 - 2019):
**Alicia Briegel**

Director (2018-2020):
**Biswajit Choudhury**

Call for Nominations for Section Officers and Councilors

The Delaware Section of the American Chemical society is looking for candidates for local section officers to run in the May 2018 elections. The terms would begin January 2019. If you or someone you know is interested in running for the following positions, please contact Giang Vo at 302-695-7318 or by email at giadongvo@gmail.com. The deadline for submission of materials is March 1, 2018.

The positions that are open include:
- Chair…………………………………………….1 year term
- Chair Elect............................................................1 year term
- Secretary...............................................................1 year term
- Director.................................................................3 year term
- Councilors.............................................................3 year term
- Alternate Councilors........................................3 year term

Job descriptions can be found at: [http://www.delawareacs.org/documents](http://www.delawareacs.org/documents)

CHAIR’S COLUMN continued from page 3

you have any ideas and know the accomplishments and history of our Section, please help us. Please contact me or Norm Henry or anyone on the executive committee.

Finally, congratulations to our 2017 ACS Fellows from Delaware for the well-deserved recognition.

*Dr. Barbara Larsen, DuPont*
*Dr. Viacheslav Petrov, Chemours Company*

*Julie E. Brady*
First Friday: The Life and Afterlife of Stuff

Date: September 1, 2017
Time: 5:00 p.m.-8:00 p.m.
Location: Chemical Heritage Foundation
315 Chestnut Street Philadelphia, PA 19106
Event Type: Open to the Public

What will someone make of your discarded iPhone when they stumble upon it 300 years in the future?

Archaeologists excavate ancient and modern trash heaps to learn more about behavioral patterns and environmental issues. Learn more about the concept of “garbology” with a talk by Lynn Makowsky, DeVries Keeper of Collections at the University of Pennsylvania Museum of Archaeology and Anthropology. Makowsky’s talk will be followed by a hands-on activity where you will dig through—and try to make sense of—ancient trash to think about your own consumption habits.

The presentation will begin at 6:00 p.m, and the Museum at CHF will be open for self-guided tours from 5:00 to 8:00 p.m.

About First Fridays

Spark your curiosity while exploring the exhibits after hours! First Fridays bring together a lively lineup of guest speakers and hands-on activities covering everyday science, historical oddities, and everything in between. Grab your friends, and kick off an evening of discovery, surprise, and a little nerdy fun.

First Fridays at CHF are always free and open to the public; no registration required. For more information about our First Friday programs, contact Alexis Pedrick at 215.873.8293 or apedrick@chemheritage.org.

Saturday Speaker

Date: September 9, 2017
Time: 11:00 a.m.-12:00 p.m.
Location: Chemical Heritage Foundation
315 Chestnut Street Philadelphia, PA 19106
Event Type: Open to the Public

Dive into fascinating stories of science with CHF’s Saturday speaker series! Every month a speaker will offer a short talk on an intriguing scientific topic, followed by a Q&A or discussion over complimentary tea and coffee. Afterward, feel free to mingle with other guests and the speaker, or spend time visiting the Museum at CHF.

Admission is free, and no reservations are necessary. Please check the CHF web site for additional information on this month's speaker and topic.
WikiSalon

Date: September 9, 2017
Time: 1:00 p.m.-3:00 p.m.
Location: Chemical Heritage Foundation
315 Chestnut Street Philadelphia, PA 19106
Event Type: Open to the Public

With science topics ranging from medical history to the environment, Wikipedia’s content reaches more than 500 million people around the globe.

Interested in joining the ranks of this online encyclopedia’s volunteer editors? Stop by for CHF’s monthly WikiSalon, a casual gathering of Wikipedia enthusiasts and those interested in learning more. Participants can edit articles of their own choice and suggest articles needing improvement to the group.

You provide your own laptop; we provide coffee, tea, and plenty of opportunity for spontaneous discussion and collaboration.

First-timer? No problem! One of our experienced guests will coach you through the process.

Innovation Day

Date: September 11-12, 2017
Time: 3:00 p.m.-7:00 p.m.
Location: Chemical Heritage Foundation
315 Chestnut Street Philadelphia, PA 19106
Event Type: Open to the Public

On Innovation Day young innovators and industry leaders come together to celebrate innovation in the chemical industry today and seek solutions for tomorrow’s challenges.

A full schedule, sponsor list, and award details will be available soon.

For more information contact Zackary Biro at 215.873.8203 or send e-mail to zbiro@chemheritage.org.

Start Talking Science

Date: September 28, 2017
Time: 6:00 p.m.-8:00 p.m.
Location: Chemical Heritage Foundation
315 Chestnut Street Philadelphia, PA 19106
Event Type: Open to the Public

Start Talking Science is an unprecedented opportunity for you to meet local scientists and academics and discuss their groundbreaking research. Interested in dark matter? Talk about it with a particle physicist. Intrigued by circadian rhythms and sleep patterns? Discuss it with a neuroscientist! Wondering about generating energy...
Start Talking Science  

through fusion, engineering viruses to heal spinal cord injuries, or how to get students interested in engineering? Start Talking Science is an amazing opportunity to have these one-on-one conversations: the possibilities are endless!

Light refreshments will be served and the Museum at CHF will be open throughout the evening.

About Start Talking Science

Start Talking Science (STS) is a free public event where STEM (science, technology, engineering, and mathematics) researchers present nontechnical posters to the community. They aim to increase the public awareness of—and interest in—cutting-edge, local research in order to make STEM more accessible. They hope to foster insightful conversations and connections while strengthening the communication skills of researchers.

For more information about this event contact Alexis Pedrick at 215.873.8293 or apedrick@chemheritage.org.

Guided Tour

Date:  September 30, 2017
Time:  2:00 p.m.-3:00 p.m.
Location:  Chemical Heritage Foundation
           315 Chestnut Street Philadelphia, PA 19106
Event Type:  Open to the Public

Join the CHF for a Brown Bag Lecture with Tianna Uchacz, CHF’s Making and Knowing Fellow.
Take a deeper dive into CHF’s permanent collection and changing exhibitions with a guided tour!
Hear strange and surprising stories from the history of science, and take advantage of the opportunity to chat with our experienced staff.

Hour-long, drop-in tours take place at 2:00 p.m. on the last Saturday of each month. Admission is free, and no reservations are necessary.
Another Academic Year Begins –

The U.D. campus is suddenly full of students, including many majoring in Chemistry and Chem Engineering. Prof. Murray Johnston has just completed his five-year term as Chair of the Department of Chemistry and Biochemistry. Prof. Brian Bahnson is replacing him.

Passover Week – This occurs during the first week of October when we all get passed over by the Nobel Committee. The Chemistry Nobel will be announced on Wednesday, October 4. The Delaware Academy of Chemical Sciences will host a celebration that night to toast the winner with champagne (or whatever). The event will be held from 7 to 9pm at Skipjack Dining, located in the Shoppes of Louviers, across Papermill Road from the Bank of America.

We shall have their Banquet Room to ourselves. A U.D. Chemist will provide a brief overview of who won and why. We shall invite Chemist/Senator Chris Coons and ACS Executive Director and C.E.O. Tom Connelly, Jr. Please come early (5:30 or 6pm) for dinner. Make a reservation with Kim Dillon at skipjack-catering@gmail.com Be sure to sign in for the door prizes when you arrive.

If you need to avoid beverages that include ethanol, sparkling cider will be available.

Kevlar Exhibit –

DACS opened this exhibit to honor the late Stephanie Kwolek on May 5. It fills three nice exhibit cases at U.D. in the Lammot DuPont Laboratory. Rita Vasta, a personal friend of Stephanie’s, provided much of the info about this great chemist. Ed Adams received major support from DuPont for the exhibit. Mike Stemniski, Maryanne Cinaglia and Norm Henry made other contributions. We appreciate the support from U.D., DuPont, and the Hagley Museum and Library.

We were impressed that ACS C.E.O. Tom Connelly, Jr. made the suicidal drive up I-95 from Washington on a Friday afternoon! Luckily he made it.

If you are not familiar with the U.D. campus and parking lots, I shall be happy to assist you. Contact me at: alvaldenio@verizon.net to visit the exhibit.

March for Science – This event was held on Earth Day, April 22 in Washington, D.C. and hundreds of cities around our country. Bruce Frye, Chair of our Chem Vets, attended this event in D.C. Many of you attended in different locations. I had planned to attend the march in Newark but had to cancel to bring Val home from the hospital. It was nice to see such a great turnout in support of science.
Minutes of the Executive Committee Meeting  
Delaware Section of the American Chemical Society  
Wednesday, March 22, 2017

Phone Conference  
Chair Giang Vo called the meeting to order at 12:05 P.M.

Chair’s Report:
Giang noted that the March meeting will be held in one week, on March 29, at the DuPont Country Club. He asked Julie Brady for an update on awardee attendance. The High School Teacher of the Year, Wesley College Student, and Blunt Scholarship awardees plan on attending. Andi will bring copies of the Merck Index to give to the awardees. Giang asked Executive Committee members to join him at a pre-meeting dinner with the Section Award winner, Dr. Paul Fagan, and Dr. Barbara Larson, who nominated Dr. Fagan. Andrea Martin will join them. Norm Henry will pick up the Section Award plaque on Friday. Giang shared that Dr. Fagan wishes to donate his honorarium to the Mill Creek Fire Company in memory of a DuPont colleague. There are about 25 attendees currently registered. Giang thanked Andi, Julie, and Norm for their work on the awards.

The Carothers Award registration page is ready to be posted; Giang stated that Tiffany has done a wonderful job preparing it. The issue of no shows was discussed, and it was decided that payment will be by credit card; those who wish to pay by another method will need to call Giang. The meeting will be held on April 19 and the final date for registration will be the preceding Friday. Nora is working on getting the trophy. Giang thanked Allison for taking care of the engraving of the plaque for the trophy.

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New ACS Fellows –
The Delaware Section has two new Fellows. The first is Barbara S. Larsen of DuPont. She received her PhD at U.D. under Prof. Doug Ridge a few years ago. The other is Viacheslav Petrov at Chemours. Congratulations to both!

Chemical Warfare –
The city of New York has a major rat problem. Rats have always loved the city for two reasons. There are thousands of restaurants, pizza shops, etc., each with a nearby dumpster. Secondly, the city has huge underground structures such as subways, utility structures, etc.

The city has fought this problem for years with a multitude of traps and toxic chemicals. Now the city has won approval from the E.P.A. to attack with carbon dioxide using a new product called “Rat Ice” from Bell Laboratories. This is part of an effort by Mayor Bill deBlasio to solve the problem before his next election. The city will also purchase an additional “336 rat-proof garbage bins that compact trash using solar power and cost $7,000 each.”

The basic concept is simple – replace the rat oxygen supply with carbon dioxide. Think of this approach as “better dying through chemistry!”
Support of the Delaware Valley Science Council was discussed. Andi represented the Section at their banquet and presented the award sponsored by the Delaware Section. She made a motion to support the organization at the same level as last year, $350. Norm Henry seconded the motion and the motion carried. The sponsorship was funded under “Miscellaneous Awards” in 2016. A call for volunteers will be published in the DelChem Bulletin in addition to the numerical support.

There will be a regional March for Science on April 22 in Newark; information on the March for Science is available on the ACS website. Kim Hyunh-Ba requested that information be sent by email to members and Giang agreed to do so.

Chair-Elect’s Report:
Giang reported for Kirby Liao on the elections. They have received a biography and photo from the Chair-Elect candidate. Others running are reminded to submit those items by the first Friday of April for publication in the DelChem Bulletin.

Past-Chair’s Report:
No report

Secretary’s Report:
Julie inquired about the status of the high school teacher email list as the textbook award letter needs to be sent out. Andi said that she and Tiffany update when messages bounce, and that she will be sending out an email blast about the Olympiad and Chemistry test within the next week. Julie also asked Giang to send her the 50-60 members as soon as it arrives. Giang has received it and will forward it to Julie.

Treasurer’s Report:
No report

Reports of Committees and Related Groups:

Awards/Education:
Norm Henry and Andrea Martin have received this year’s Chemistry & Biochemistry College Student Award nominee from Dr. John Burmeister at UD. Reminders will be sent to UD Chemical Engineering, Delaware State, and Wesley.

Old Business:
The MARM 2018 bid was discussed. Allison Moore made a motion that the Delaware Section will not host the 2018 MARM due to a lack of sufficient information on the logistics. Norm Henry seconded the motion. A quorum was in attendance, and the motion passed with one abstention. Giang will inform Martha Holloman of the decision.

Giang asked Nora Radu to share information about the Delaware Valley Science Fair with the Executive Committee. The Section has agreed to support a special award at the fair in the amount of $300 for each of the next 3 years. 1400-1500 posters are submitted by students in grades 6-12, from Delaware, southeastern Pennsylvania, and southern New Jersey. Nora and Giang will be judging posters on April 4. Anyone else interested in judging is welcome.

Andi Martin noted that the Section used to have a historian who kept information about awards, past officers, and other details of Section activities. It would be useful

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to revive this position to help keep the website up to date and possibly begin digitizing the archives. This would be an opportunity for someone who wishes to volunteer, or possibly something the ChemVets might consider. While discussing the Section’s history, a dinner or event to mark the 100th anniversary of the founding of the Section was suggested as an event later this year.

New Business:
The Biology and Chemistry Department at Stanton Campus of Delaware Tech thanks the Section and Tiffany Hoerter for their help in posting a position opening on the Section website.

Andrea Martin moved to adjourn, Kim Huynh-Ba seconded. The motion carried, and the meeting was adjourned at 1:00 P.M.

Officers and Councilors Present:
Giang Vo, Julie Brady, Alicia Briegel, Norm Henry, Kim Huynh-Ba, Andrea Martin, Allison Moore, Nora Radu, Peiwen Zheng

Officers and Councilors Absent:
Biswajit Choudhury, John Gavenonis, Tiffany Hoerter, Martha Hollomon, Kirby Liao, Rakesh Nambiar, Maggie Schooler,

Others Present: none

Respectfully submitted,

Julie E. Brady
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On the evening of Monday, April 17, 2017, students, postdoctoral fellows, faculty, and industry colleagues gathered in the atrium of the Harker Interdisciplinary Science & Engineering Laboratory at the University of Delaware for the 12th Annual Delaware ACS Student/Industry Poster Session. This event celebrated the breadth of chemistry, as well as the promising futures of many young scientists (and the field of chemistry itself). Enthusiastic poster presentations were given by 8 undergraduates, 9 graduate students, and 3 postdoctoral fellows. Topics spanned physical organic chemistry, inorganic and organic synthesis, surface and interfacial science, biochemistry, solid-state NMR, and materials science. A special poster presentation was also given by Paul Clark, first place winner of the middle school category of the Delaware Valley Science Fair. Another highlight of the evening were poster talks given by Jill Harland (undergraduate), Michael Wistoff (graduate), and Lisa Sawicki (postdoc), during the pizza dinner. The event was made a success by dedicated volunteer judges – Peter Bernstein (PhaRmaB, LLC), Jackie Fajardo (UD), Nihmat Morjana (Siemens), John Newberg (UD), Jared Parker (Siemens), and Nora Radu (DuPont Electronics and Communication) – and other industry colleagues who attended to meet and network with the presenters. Congratulations to all the presenters for making this event a great success! We look forward to another great poster session in the spring of 2018!

Poster Awards:

**Undergraduate:**
Jill Harland (1st place, Newberg Lab, UD), Griffen Desroches (2nd place, Bobev Lab, UD), Robert Dina (3rd place, D’Souza Lab, Wesley College)

**Graduate:**
Scott Shuler (1st place, D. Watson Lab, UD), Javon Rabb-Lynch (2nd place, M. Watson Lab, UD), Jianyu Xu (3rd place, M. Watson Lab, UD)

**Postdoc:**
Lisa Sawicki (1st place, A. Kloxin Lab, UD), Mohammad Al-Amin (2nd place, Chain Lab, UD), Sarah Pound (3rd place, M. Watson Lab, UD)
DE ACS September 2017 Calendar of Events

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9 Chemical Heritage Foundation WikiSalon
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