For information on section activities visit our web site at:

www.delawareacs.org
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 2017 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 nominations is November 15, 2016.

Tillmanns-Skolnik Award
The Delaware Section Awards Committee is accepting nominations for the Tillmanns-Skolnik Award to be given in January 2016. 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, 2016.

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, 2016.

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
Recognition of the 50 and 60 Year Members

I hope that you all had a great summer. Back to our normal monthly meeting schedule, we will start with the 50- and 60-year members recognition on Saturday, September 17. This annually event has been the most moving time among our monthly meetings. According to several Past Chairs, they all have experienced the incredible moment during the meeting, from the speeches to the receiving of the certificates. 50 and 60 years of membership with one organization is a significant achievement for the individual and of course, for ACS, too. Congratulations to our 50- and 60-year members for 2016! The DE ACS would like to express our sincere appreciation for your continued service and support. For the members who have different anniversary years other than 50 or 60, you are also welcome to join us for this great event. I am looking forward to seeing you. Please register!

Look back to the 140 year history of ACS, it is remarkable. I found this on the ACS website “Thirty-five chemists met at the College of Pharmacy of the City of New York on April 6, 1876, to found the American Chemical Society. Seven months later, the first president of the newly formed society, John William Draper, delivered his inaugural address at Chickering Hall in New York.” Since then, all the chemists could have one affiliation to attach to, one platform to publish and present their scientific discoveries on, and one community to networking in. Personally, I like the way that ACS recognizes membership loyalty annually nowadays — a coffee mug with the element of the corresponding

continued on page 15
50- and 60-Year ACS Member Recognition

Our section members who have held membership in ACS for 50 and 60 years are recognized annually. DE-ACS would like to express our sincere appreciation for your continued service and support.

Date: Saturday, September 17th, 2016
Time: 11:30 - 1:30 pm
Location: DoubleTree by Hilton, 4727 Concord Pike, Wilmington, DE 19803
Cost: $15 (free for the 50 and 60 years 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 Peiwen Zheng at 302-695-2964.

Congratulations to our 50 and 60 year members for 2016!

50 year members
Frank M Armbrecht
Paul Frederick Bente
Harold S Bruner
Leopoldo Lazaro Camin
Tai Woo Chiu
William Robert Davis
Caleb William Holyoke
Thomas Tao shing Huang
Andrew Roxburgh McGhie
David Scheiber
Michae R Short

60 year members
Charles J Brown
Jay Bernard Class
John F Hagman
Frederic Freeman Nelson
Stanley Selman
Jack William Walter
Joseph Nikolai Wolzansky
First Friday: Chiptunes—Obsolete Sounds in the Modern World

Date: September 2, 2016
Time: 5:00 p.m. to 8:00 p.m.
Location: CHF, 315 Chestnut Street, Philadelphia, PA 19106
Event Type: Open to the Public
Fee: Free
Registration: Not Required

Remember the familiar tones of dial-up modems? Join us for a nostalgic journey into the world of chiptunes music, which brings the sounds of vintage computers, video-game consoles, and arcade machines back to life through the tinkering of creative minds.

We’ll look at the cultural impact of chiptunes with Lisa Klarr, a PhD candidate in the literature program at Duke University, and enjoy a live performance by local musician Chipocrite, a.k.a. Paul Weinstein.

Dive into the story of what happens when art meets obsolete technology, and then prepare your ears for a performance that you won’t soon forget!

About Lisa Klarr
Lisa Klarr will be presenting her dissertation, “Useless: The Aesthetics of Obsolescence in 20th-Century U.S. Culture,” in the fall. She is interested in “how obsolete technological objects continue to haunt our cultural lives long after their ‘moment of production’ has passed.” Lisa is a PhD candidate in the literature program at Duke University. Her writing has been published in Berfrois, HASTAC, the Information Society, and Polygraph, and she is a visiting instructor in the English department at Wake Forest University.

About Chipocrite
Chipocrite, a.k.a. Paul Weinstein, uses original Nintendo Game Boys, often accompanied by bass, guitar, and/or other lo-fi sequencers, to create complex audio masterpieces. His multifaceted but catchy compositions combine the nostalgic game sounds of his childhood with modern music influences.

Since emerging on the Philadelphia chip scene just a few years ago, Chipocrite has taken the stage at numerous performance spaces, events, and conventions, including the Vans Warped Tour and Blip Festival, and provided soundtracks for commercials—including a nationally televised GameStop ad—as well as for video games and online videos. Chipocrite released “Hit and Run,” which was named “Best Album—Chiptune” in Square Enix Music Online’s Annual Game Music Awards for 2011.
ChemVets Meeting

“What Darwin Didn't Know”

Harry Dillner

Date: September 20, 2016
Time: 12 p.m. – 2 p.m.
Location: DuPont, Chestnut Run Laboratories
12:00 Lunch (Admin. Bldg.)
1:00 Lecture (Bldg. 713 auditorium)
Event Type: Open to the Public
Fee: None
Registration: Not Required

Harry Dillner
B.S. Indiana University of Pennsylvania: M.Ed. University of Delaware. Retired Delaware high school biology teacher and state science education specialist. Developed extensive instructional activities and teacher training on evolution, genetics and biotechnology. He has presented the course "What Darwin didn't Know" several semesters at Osher Life Long Learning Institute at the University of Delaware in Wilmington.

Abstract:

What Darwin Didn't Know
Explore discoveries in paleontology, embryology and genetics that confirm and strengthen the theory of evolution by natural selection. Today the theory has such great explanatory power for understanding living things that scientists confidently assert that nothing in biology makes sense except in the light of evolution. Of special interest to chemists, GMO seeds and CRISPR technology will be covered.
Start Talking Science is an unprecedented opportunity for you to meet local scientists and academics and discuss their ground-breaking 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 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!

About Start Talking Science
Start Talking Science (STS) is a free public event where STEM (Science, Technology, Engineering, and Mathematics) researchers present non-technical 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.
Holy September!

Al Denio

American Industrial Hygiene Association
Norman W. Henry, III has been a Delaware Section member of ACS forever, or so it seems. He is also an active member of AIHA. In May, Norm was honored with the President’s Award in recognition of his dedication to the industrial hygiene profession. He has been active in that group since 1981. For many years Norm was employed at Dupont where he had a focus on chemical health and safety. He is now employed part-time by the state and has a consulting practice. He continues to serve this Section as an Alternate Councilor.

ACS Fellow Mike Stemniski
The July 18 issue of C&E News announced that Magic Mike has this new honor. He will be attending the recognition ceremony at the August meeting in Philly.

He has been active in the Delaware Section since 1967 and served as Chair in 1990. He is famous for his public outreach activities, especially at the Hagley Museum and Library plus at National Chemistry Week. Mike serves on the Board of the Delaware Academy of Chemical Sciences. He is an Adjunct Professor at the University of Delaware and frequently defies the Laws of Physics on the golf course.

Two More Fellows!
Aldos C. Barefoot and Sharon L. Haynie, both Dupont employees, are also on the new list. Congratulations to all three of these impressive chemists.

Who Knew?
Frank R. Lautenberg Chemical Safety for the 21st Century Act – This bill was signed into law in June by President Obama to replace the old Toxic Substances Control Act (TSCA). It was named after the late New Jersey Senator who worked for years on the new law.

The law requires the EPA to review the safety of commercial chemicals now in use or new compounds proposed in the future. Near the top of the list are bisphenol A and phthalates. The solvents N-methylpyrrolidone, methylene chloride and trichloroethylene will also be targets. Then come about 20 flame retardants. Before you get too excited, remember that Congress can reduce the impact of the law by budget cuts.

I am a member of the ACS Division on Chemical Health and Safety and thus get to follow comments on their Listserv. One writer compares the new law to Swiss cheese, full of holes and no bite. It is pointed out that this new law only requires the testing of 20 compounds of some 30,000 high production volume chemicals over the next 8 years. It appears that the industry lobbyists produced a bill that will be better than TSCA but not by much.

Election Year
It has been tough going so far. When you read this, there will be about two months left. I wish you well with your decision. I look forward to seeing you at our September meeting.
Minutes of the Executive Committee Meeting
Delaware Section of the American Chemical Society
Tuesday, March 29, 2016

Chair Peiwen Zheng called the meeting to order at 12:33 P.M.

Chair’s Report:
Peiwen thanked everyone for calling in.

She reported that there were 22 attendees at the career event held on March 6. The event was a joint offering of the Section and of National ACS. Feedback from attendees was positive indicating this was a great event to help members. Thanks to Tiffany and Steve Meyers from National ACS.

The Carothers Award will be presented to Dr. Joanna Fuller on Wednesday April 20 at the DuPont Country Club. The event includes a cocktail reception, dinner, lecture and the award presentation. It has been announced in both the March and April DelChem Bulletins. The Labovsky funds are being used to offset the cost for students and unemployed members.

The May Section Award meeting is May 7. Giang Vo is finalizing the contract. The logistics of combining this with the 50/60 year event are not workable so they will be honored at the September meeting. There are no monthly events during the summer.

Peiwen reported on NCW for Maggie Schooler, who will chair the event. Lois Weyer will organize the Girl Scout helpers. The tentative date is either October 29 or November 5. The second date is preferred due to better turnout after Hallowe’en in the past. She is contacting Jenny Vrana at The Independence School about availability.

Kirby Lan of DuPont Electronics and Communications has agreed to run for Chair-Elect and Rakesh Nambiar is running for Alternate Councilor. Biographies are needed by April 1 for the May DelChem Bulletin.

Nora Radu has requested support for the Delaware Valley Science Fair. It is too late to help out this year but we will consider it for next year. Peiwen will send out information for the Committee’s consideration.

Tiffany Hoerter cannot run the electronic election this year as she is running for office. Giang will coordinate it this year.

Past-Chair’s Report:
No Report

Chair-Elect’s Report:
No report

Secretary’s Report:
Julie Brady requested that the list of 50 & 60 year members be sent to her once the meeting date has been established.

Treasurer’s Report:
No report

Reports of Committees and Related Groups

Education:
Peiwen reported for Andrea Martin. Andrea Martin represented the Delaware Section at the March 7 awards banquet for the Delaware Valley Science Council. The Council encourages students in our region to study and pursue careers in science and math. Their primary program is a competition for high school students who are invited to sit for exams in biology, chemistry, mathematics, or physics. The finalists from the exams then participate in individual interviews to obtain a combined score leading to cash awards ranging from $400 to $1400. More information is available at their website, www.delawarevalleysciencecouncil.org. Andi was asked to present the award sponsored by our section to Travis Liu, a senior at

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Unionville (PA) high school. This year, there were no Delaware students among the finalists, but in the past few years, students from Archmere Academy and Sanford School have been recognized. Andi spoke with DVSC corresponding secretary, Bill Phifer, about getting more Delaware schools involved. Andi agreed to provide him with our current high school chemistry teacher mailing list, as he currently has only a handful of Delaware contacts. Next year, they would welcome not only our continued financial support but also volunteers to help organize the events and interview the students.

Dr. Mary Watson at UD is organizing the student-industry poster session this year. It will be held in the UD ISE (Integrated Science and Engineering) Lab atrium starting at 5 pm on Tuesday, May 3. This is a much better space than we have had in the past. Mary is working on arranging for food (which is required to be provided by the UD catering service). Prof. Joe Fox (past Delaware Section Award winner) from UD will give a colloquium as part of the event. The call for submissions will go out shortly.

Andi has requested the names of the student award winners for 2017 from Del State University, Wesley College, and UD. She already has the nominees from the UD Department of Chemistry and Biochemistry and Wesley College. There is a new contact for the UD Chem Engineering Department, Ms. Megan Argoe. The student winners for this year (the students who were nominated last spring) will be recognized at the Delaware Section Award dinner in May. We have a large number of Merck Indices (still stored at Al Denio’s house), so she proposes giving a copy to each student winner in attendance in addition to the cash award of $250 and a year’s membership in ACS.

The National Chemistry Olympiad exam will be once again held at Archmere Academy, on April 21, 2016. Glenn Hartman is the organizer. Because the international event will be held in Pakistan this year, the ACS has opted not to send a student team to compete for security reasons and therefore there will be no training camp over the summer.

Mike Stemniski will be running the statewide competitive high school chemistry exam on Friday, April 29, from 8:30 to 10:30 am at McKean High School.

Shortly, Andi will be sending out an e-mail blast to the state high school chemistry teachers about the latter two events. That notice will also request self-nominations for the state high school chemistry teacher of the year. The winner from last year, Nader Makarious from Brandywine High School, will also be recognized at the Section Award dinner in May.

Carothers:
Nora Radu discussed logistical issues in advance of the Carothers banquet and suggested the Executive Committee consider increasing their presence on the committee in response to the changes in local industry.

Old Business:
None

New Business:
None

Allison moved to adjourn, Maggie seconded. The motion carried, and the meeting was adjourned at 1:24 P.M.

Officers and Councillors Present:
Peiwen Zheng, Julie Brady, Tiffany Hoerter, Allison Moore, Nora Radu, Maggie Schooler

Officers and Councillors Absent:
Alicia Briegel, Kim Huynh-Ba, Biswajit Choudhury, John Gavenonis, Norm Henry, Martha Hollomon, Andrea Martin, Giang Vo

Others Present: none:

Respectfully submitted,

Julie E. Brady
Minutes of the Executive Committee Meeting
Delaware Section of the American Chemical Society
Tuesday, April 26, 2016, Yi Palace

Chair Peiwen Zheng called the meeting to order at 6:30 P.M.

Chair’s Report:
Peiwen reported on the Carothers award, presented to Dr. Joanna Fuller on Wednesday April 20 at the DuPont Country Club. There were about 50 attendees, including five students and two unemployed members. The talk was fantastic and Peiwen received a lot of positive feedback. The Section received $7000 in sponsorships this year, from DuPont, W.L. Gore, Ashland, and Incyte. The Labovsky funding was used as discussed in previous Executive Committee meetings to subsidize the students and unemployed members. The budget requires amendment as this was not included this year. The amount was discussed; the $30 discount comes $210 for the seven attendees however the actual cost per person is around $70 when all costs are included. Allison Moore moved to use $500.00 of the Labovsky funds towards the Carothers banquet costs. Tiffany Hoerter seconded. Andrea Martin asked how this would impact the account and the consensus was that the cost was reasonable compared to the total fund. Giang Vo was reminded to include the Labovsky amount in next year’s budget. Peiwen thanked those who helped, particularly Nora Radu and John Gavenonis for their work on the sponsorships, Allison and Nora for coordinating the trophy and nameplate, Tiffany for the announcements and photography, Giang for hosting the guests, and Alicia for the award arrangements.

The discussion about the Carothers Award committee terms was reviewed; a one-year term for the past chair had been suggested. Director Biswajit Choudhury has volunteered to serve for a period to ensure some continuity. The changing industrial environment is affecting the composition of the committee so the need for the Executive Committee to ensure continuity is strengthened. Tiffany noted that positions on the Carothers committee are not part of the by-laws so the Executive Committee has some flexibility in the arrangements. The role and term of the Carothers Chairperson was discussed, as was the transition between Chairs.

Peiwen was a guest at the January meeting where two candidates for next year’s award were discussed and the Carothers chair was charged with polling non-attendees for their votes. Nora is checking on the progress of the vote in order to schedule next year’s award, which needs to be done in the near future. Nora’s continued coordination with the committee is greatly appreciated.

The DuPont Country Club was a relatively expensive venue; more affordable locations such as the Doubletree should be considered for future years.

Peiwen reported that the date for NCW is set for November. She received a form from ACS National on collecting Local Section dues; the consensus was to have them collect the dues.

Past-Chair’s Report:
No Report

Chair-Elect’s Report:
Giang Vo reported on the May event, the Section Award meeting to be held on May 7. It is a dessert meeting at the Doubletree, beginning at 1:00. Giang will have lunch with the Section Awardee prior to the meeting. Norm Henry and Julie Brady are preparing the awards. Norm will pick up the plaque for the Section award. Julie will prepare certificates for the College Student awards, the Blunt Scholarship, and the High School Teacher of the Year. Andrea Martin will arrange for the awards checks.

Giang discussed the electronic election. Everything is set up and the ballot will open on 8 A.M. on May 1 and close at 5 P.M. on May 31. The ballot is smartphone compatible. There is one candidate for each position.

Secretary’s Report:
The Elections only list is ordered and is scheduled to arrive 4/27. Julie will forward it to Giang when it arrives. The logistics of the 50/60 year members were discussed.

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Minutes of the Executive Committee Meeting continued from page 11

Treasurer’s Report:
No report

Reports of Committees and Related Groups:

Education:
Andrea Martin reported that the Student-Industry Poster Session is scheduled for 5 P.M. on Tuesday, May 3, at the Integrated Science and Engineering Lab at UD. Dr. Mary Watson at UD is the organizer. Joe Fox is going to speak and pizza will be served. Presently, about 25 abstracts have been submitted, mainly from graduate students, but also including undergraduates and industrial posters. Most are from UD, but Widener University is also represented. The group is in need of section members to volunteer to judge the posters. The ChemVets are being asked to volunteer, and Martha Hollomon also volunteered to judge. The logistics of getting the award checks to the winners was discussed. Planning for next year is underway.

College student award winners for 2017 have been named by UD Chemistry, UD Chemical Engineering, and Wesley College. The deadline for nominations is April 30; Andi is hoping to get a name from Delaware State University this year.

The National Chemistry Olympiad exam was held at Archmere Academy, on April 21, 2016, organized by Glenn Hartmann.

Mike Stemniski will be running the statewide competitive high school chemistry exam on Friday, April 29, from 8:30 to 10:30 am at McKean High School. We are expecting about 40 students from 5 high schools to take the exam.

An e-mail blast was sent to the state high school chemistry teachers requesting nominations for the High School Teacher of the Year. No nominations have yet been received. Andi will work with this year’s awardee, Nader Makarious, to make sure his nomination for the regional teaching award is submitted for the 2017 MARM.

The text book award letter and vouchers were attached to the email. No responses have yet come in. Tiffany noted that individuals may not read long announcements; however the alternative is many emails. Allison suggested a bulleted list of links.

Old Business:
Budgeting for the Innovative Program Grant funding was discussed. A line indicating the IPG funds received in 2012 will be added and the March event costs charged against it. The report is due in May; Andi will complete it. Andi made a motion to use the $2000.00 received in 2012 to cover the March Career event costs to the Section and to National ACS. Tiffany seconded and the motion carried.

New Business:
The date for the May meeting was set for Wednesday, May 25, 6:00 P.M. at Yi Palace.

Tiffany moved to adjourn, Martha seconded. The motion carried, and the meeting was adjourned at 7:33 P.M.

Officers and Councilors Present:
Peiwen Zheng, Julie Brady, Alicia Briegel, Tiffany Hoerter, Allison Moore, Martha Hollomon, Andrea Martin, Giang Vo

Officers and Councilors Absent:
Kim Huynh-Ba, Biswajit Choudhury, John Gavenonis, Norm Henry, Nora Radu, Maggie Schooler

Others Present: none

Respectfully submitted,

Julie E. Brady
Election Results – 2016

A total of 248 valid votes and 1 abstentions were received.

Results are as follows.

Chair Elect (2017):
Ken-Hsuan (Kirby) Liao

Councilor (2017 - 2019):
Tiffany Hoerter
Maggie Schooler

Alternate Councilor (2017 - 2019):
Rakesh Nambiar
Kim Huynh Ba

Secretary (2017):
Julie Brady

Director (2017 - 2019):
Allison B. Moore
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CHAIR’S COLUMN continued from page 3

year number. It is actually quite funny when you walk into someone’s office, and they happen to have an ACS coffee mug with “He” or “B” sitting on the desk. I just can’t help imaging how I would look like when I am holding a “Sn” or “Nd” mug.

**Election Results:**
The results of our elections are highlighted in this issue. Congratulations to our elected executive committee members!

*Peiwen*

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Calendar of Events

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20   ChemVets meeting: “What Darwin Didn't Know” by Harry Dillner
27   Start Talking Science