

**May 22, 2012**

*Winterthur Museum*

**50- and 60- Year Member Recognition Luncheon  
High School Awards**



**Dr. Chris Petersen**

Winterthur Museum/University of Delaware

"Conservation Science: The Forensics of Cultural Material"



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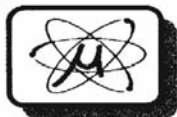
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## CHAIR'S COLUMN

Congratulations to Dr. Donald Tomalia, the recipient of the 2012 Carothers Award! Dr. Tomalia gave an excellent lecture on his recent work with dendrimers and the development of a nano-periodic table. I was interested to see the large number of section members who had worked with Dr. Tomalia over the years. I want to thank the members of the Carothers Committee, especially Chair Simona Percec and Secretary Allison Moore, for their efforts in securing this award for Dr. Tomalia. I also want to express my gratitude to the corporate sponsors, without whom this prestigious award would not be possible: DuPont, Ashland, W.L. Gore, Incyte, and AstraZeneca. If you don't see your company's name on this list, please consider becoming a sponsor for the 2013 award!

This issue will go to press before I am able to report on our Industry-Student Poster Session and Chemists Celebrate Earth Day activities in April. Watch for a recap in the fall!

In May, we will celebrate our 50- and 60-year members with a luncheon and lecture at Winterthur. It is always a pleasure to recognize their remarkable accomplishments and dedication to the Society. We will also be recognizing the chemists of the future – our high school award winners. All section members are invited to this event, and I hope we have a great turnout. I am grateful to the Section's own Dr. Chris Petersen, who works in Winterthur's Scientific Research and Analysis Laboratory, for agreeing to present some of the interesting science behind the scenes at Winterthur.

This will be the last Del-Chem Bulletin until September, and the Section will take a breather from our hectic schedule for the summer, but please keep visiting the Section website for information on events – we will not be completely idle! I will be working on the fall schedule over the next few months, and would like to hear your suggestions for events and activities.

One final reminder – ballots are due by May 31! Please vote!

*Andi Martin*

# CHEMVETS

**TOPIC:** Breathing the Air in Delaware.

**SPEAKER:** Prof. Murray V. Johnston, University of Delaware

**DATE:** Tuesday, May 15th, 2012

**PLACE:** DuPont Chestnut Run Laboratories

**TIME:** 12:00 Noon Lunch (Bldg. 700 Administration Bldg.)  
1:00 Lecture (Bldg. 713 auditorium)

## **INFORMATION:**

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

## **BIOGRAPHY:**

Murray Johnston is Professor of Chemistry at the University of Delaware, where he has taught and performed research in analytical and environmental chemistry for over 20 years. His research group has developed a variety of mass spectrometers for on-line characterization of individual airborne particles. These instruments have been deployed for ambient measurements around the globe. He has authored over 160 research publications, and he is a former recipient of the Delaware Section Award.

## **ABSTRACT:**

Nanoparticles are ubiquitous in the atmosphere and are produced by a variety of natural and anthropogenic processes. These particles represent a potential health hazard to humans when inhaled, and influence climate by acting as seeds for cloud formation. Determining the chemical composition of these particles aids identification of sources and assessment of environmental impacts. In Delaware, our group has made ambient particle measurements at the State of Delaware Air Quality Monitoring Site in Wilmington and the University of Delaware campus in Lewes. These measurements give insight into what we breathe and why it matters.

**NEXT MEETING:** On Tuesday, September 18, Professor Alan F. Plante (Univ. of Pennsylvania) will discuss the chemistry of organic soil carbon and its relationship to the global carbon cycle.



# 50- and 60- Year Member Recognition Luncheon Meeting and High School Awards



Dr. Chris Petersen

Adjunct Associate Professor

Winterthur Museum/University of Delaware

Program in Art Conservation



## *Conservation Science: the Forensics of Cultural Material*

**Date:** Tuesday, May 22, 2012

**Time:** 11:30 am Luncheon – cafeteria  
12:30 pm Presentation of Certificates to 50- and 60-year members  
Presentation of high school awards  
Program by Dr. Petersen

Winterthur Museum and Gardens, Copeland Lecture Hall

**Cost:** \$12

**Luncheon:** Attendees will be provided with a luncheon voucher for the cafeteria, which is good for your choice of:

Panini and side salad

Or Salad bar

Or Selection of a hot entrees (4-5 choices will be provided)

Or a combination of salad bar and entrée

Lunch also includes a fountain beverage/coffee/tea and a choice of cookie/brownie.

Reservation deadline is Monday, May 14, at 5 pm. Reservations not cancelled by that date will be billed. Members who choose to attend after the deadline may pay for their lunch individually (cost potentially will be higher).

### **Methods of Registration:**

1. Use the link provided on the section website, <http://delacs.sites.acs.org>, or in the Del-Chem Bulletin distribution announcement to register online. Credit cards and PayPal accepted.
2. E-mail [delawareacs@gmail.com](mailto:delawareacs@gmail.com) to receive a link to online registration.

Members who are unable to register online should call Andrea Martin at 610-499-4515.

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Important note! We want to make sure that all honorees who wish to attend are able to do so. Anyone willing to volunteer to provide transportation should contact Andrea Martin at [aemartin1@widener.edu](mailto:aemartin1@widener.edu). Thank you!

**Abstract:**

Conservation science combines a variety of scientific disciplines in the study of cultural material. Museum scientists, typically chemists, work with conservators and curators to understand the materials chemistry of artifacts in order to aid their treatment and understanding. Scientists analyze artifacts to characterize materials and manufacturing techniques of various regions, time periods and artists, to aid in authenticity studies, to characterize previous repairs, alterations, or additions, and to evaluate new treatment materials and procedures. The Scientific Research and Analysis Laboratory (SRAL) at Winterthur Museum was founded in 1969 by retired Du Pont physicist Dr. Victor Hanson, who was the first scientist to apply x-ray fluorescence spectroscopy (XRF) to the analysis of museum objects. Today there are approximately 15 museums in the United States with science laboratories, and around 75 scientists working in the field. Winterthur's SRAL uses a range of analytical techniques in the study of cultural material including Raman spectroscopy, XRF microspectroscopy, Fourier-transform infrared microspectroscopy (FTIR), gas chromatography-mass spectrometry (GC-MS), Liquid Chromatography (LC-MS) and scanning electron microscopy with x-ray microanalysis (SEM-EDS). Cases studies; will be presented which demonstrate the use of these techniques for the study of objects from the Winterthur Museum as well as other institutions and collectors. As is increasingly the case, material culture scholarship and the conservation of artifacts are built on a scientific understanding of their components and degradation mechanisms.

**Speaker:**

W. Chris Petersen, adjunct associate professor in the Winterthur/University of Delaware Program in Art Conservation, received a B.A. degree in chemistry from DePauw University and a Ph.D. in physical organic chemistry from Northwestern University. He retired from the DuPont Company after 30 years of primarily synthetic organic chemistry research. Currently he is in the Scientific Research and Analysis Laboratory (SRAL) at the Winterthur Museum and for the past 12 years has specialized in the analysis of organic materials in works of art using GC-MS. His activities include teaching and mentoring our undergraduate and graduate students and assisting our faculty with research projects.

## *50- and 60- Year Members*

*Congratulations to our members who are reaching significant milestones this year!*

### **50 Years**

Dr. Charles Baylor, Jr.  
Dr. Joel D. Citron  
Dr. James B. Ganci  
Dr. Frank Edward Herkes  
Dr. Kenneth B. Keating  
Dr. V. Eugene McCoy, Jr.  
Dr. Bruce Malcolm Monroe  
Dr. Thomas J. Podlas  
Dr. V. N. Mallikarjuna Rao  
Dr. Michael A. Stemniski  
Dr. Richard S. Waritz  
Mr. Edward K. W. Wat  
Dr. Charles C. Whitney, Jr.

### **60 Years**

Mrs. Jean M. Bostwick  
Mr. John J. Daly, Jr.  
Dr. Hugh H. Gibbs  
Mr. Richard M. Herman  
Dr. Erhard F. Hoegger  
Dr. Donald E. Hoffman  
Dr. Matthew R. Kegelman  
Mr. Donald L. Knauss  
Dr. Carl A. Lukach  
Dr. Kenneth H. Markiewitz  
Dr. Carl H. Muendel  
Mr. William W. Ranson  
Mr. Howard A. Smith  
Dr. Owen W. Webster

## Meeting of SAS/ACS Process Spectroscopy Topical Group

*“Responding to Food Safety Threats with new Analytical Tools”*

**Philip L. Wylie, Agilent Technologies**

**Friday May 25, 2012, 11:30-1:30**, at Agilent, 2850 Centerville Rd.,  
Wilmington, De 19808

*A buffet lunch will be provided courtesy of B&W Tek.* Following the presentation, an optional tour is available. Please make a reservation in advance with Lois Weyer, [lois.weyer@ATK.com](mailto:lois.weyer@ATK.com) or 410-392-1273.

### **Abstract:**

Virtually every day brings a new headline reporting a food recall, a contaminated food item, or news about ingredients that may not be safe to eat. With more and more international trade in food and food ingredients, there is an increasing need to monitor food safety. Pesticide residue analysis has been done for many years, but methods are needed for lower detection limits. There is increasing interest in measuring mycotoxins, hormones, dioxins, and marine toxins in food. Because no one really knows what the next contaminant will be, there is also an increasing need to monitor non-target compounds and to identify unknowns in foods. One tool being developed is a process called MassCode PCR to identify bacteria. This presentation will highlight several new food safety methods, the response to the Gulf oil spill, and emerging technologies for food safety.



DELAWARE  
**SUSTAINABLE CHEMISTRY  
ALLIANCE**

**ATTENTION:** Chemists, Entrepreneurs, Start-ups and Investors in the Delaware region. The Delaware Sustainable Chemistry Alliance is co-hosting First State Innovation's next Entrepreneurial Showcase on June 12, 2012.

Ashland is sponsoring the Showcase and Paul Raymond, President of Ashland Water Technologies, will be the keynote speaker. The presenting early-stage companies will all feature innovations in sustainable/green chemistry. If you are working on an innovative sustainable chemistry product or start-up and wish to be considered for presentation, please contact [jennifer.kmiec@desustainablechem.org](mailto:jennifer.kmiec@desustainablechem.org)





## Thoughts for May

*Al Denio*

### *F. Sherwood Rowland –*

The N.Y. Times carried his obituary on March 13. He was 84.

He completed his doctorate at the University of Chicago under Willard F. Libby. After teaching at Princeton University and the University of Kansas, he moved to the new campus at the University of California – Irvine to become the first chairman of its chemistry department in 1965.

Professor Rowland and his grad student Mario Molina published a paper in *Nature* in 1974 that shook the chemical world. They reported that the aerosol propellants called chlorofluorocarbons posed a threat to the ozone layer.

Given the size and profitability of the CFC industry, their prediction caused much grief. A local company sent some of its best chemists to attend public lectures given by Professor Rowland. Their goal was to question his research and predicted ozone damage. It was a plan to intimidate and harass Professor Rowland. He later stated that he received no invitations to lecture in any chemistry department from about 1975 to 1985. “The trade publication *Aerosol Age* accused him and Dr. Molina of being K.G.B. agents out to destroy capitalism.”

Luckily British researchers in 1985 reported that the stratospheric ozone layer had developed a hole over Antarctica. This vindication of Rowland’s research led to his

sharing the Nobel Prize in Chemistry in 1995 with Dr. Molina and Paul Crutzen of the Max Planck Institute for their work on ozone.

I assume that Professor Rowland has a place of honor in that Great Chem Lab in the Sky where the draft beer is cold and he no longer must compete for NSF and DOE research grants. Our world is a better place because of his contributions.

Steve Jobs died last year at age 56. I recently finished reading the excellent biography by Walter Isaacson published by Simon & Schuster. It is a fascinating read, even if you are not an Apple fan.

Jobs was a man of many talents, a creative genius by many accounts. Like Bill Gates, he was also a college dropout after one semester at Reed College. He remained on campus for about a year, attending lectures that he was interested in.

He experimented with drugs and became a fan of LSD. In search of spiritual enlightenment, he spent time in India. Jobs was a vegan for much of his life and he tried a variety of diets, at one point living only on carrots. And then there was his body odor problem – he shunned showers.

There is also a Wisconsin connection. His biological parents were grad students at U.W. Since they were not yet married, Steve was put up for adoption in San Francisco. His adoptive parents were Clara and

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Paul Jobs who provided a loving home and great support.

At age 21, Jobs founded Apple Computers with his friend Steve Wozniak, a brilliant computer engineer. They designed and built their first computer in the Jobs family garage in Mountain View, California.

In 1985 Jobs left Apple and ended up buying an animation company, which became Pixar Animation Studios. Great film success followed. In 1997 Jobs returned to Apple as CEO. Next came the iPod, the iPhone and then the iPad, making Apple the most profitable company in the U.S.

Since Jobs was not a chemist, why should you read about him in the DCB? Perhaps because so many chemists can't leave home without an Apple computer or other device. While I have resisted the Apple temptation so far, an iPad will no doubt be my next toy.

### *Aspirin and Cancer?*

Many Americans take a baby aspirin (81 mg of aspirin) daily to help prevent heart attacks. Now comes a report from the University of Oxford published in the medical journal *The Lancet* by Dr. Peter M. Rothwell that daily aspirin can help reduce the risk of dying from cancer. This information appeared in an article by Roni Caryn Rubin in the *N.Y. Times* on March 21.

Will this news cause an aspirin boom? Recall that even aspirin comes with side effects, the most common being gastrointestinal bleeding and hemorrhagic strokes. As always it is best to consult your doctor before jumping on the aspirin bandwagon.

The nice thing about aspirin is that it is a very cheap compound. The normal tablet

contains 325 mg of acetylsalicylic acid plus an inert binder (about 15 to 20% by weight) to form a tablet.

Even though aspirin tablets are inexpensive to make, the prices vary greatly by brand. A recent check at a local pharmacy found that heavily advertised "Brand A" sold for \$6.79 for 100 tablets or 6.79¢ each. Another option was "Brand B" selling for \$2.99 for 100 tablets or 2.99¢ each. A much better buy was \$4.49 for 300 tablets of "Brand C," costing only 1.5¢ each.

Since many people take the baby aspirin (81 mg), the price of this "Brand D" was \$10.99 for 200 tablets, or 5.5¢ each. As a clever chemist who can do the math, you could buy "Brand C" and use a cheap pill splitter to get 81 mg for only 0.38¢ each!

It is obvious that aspirin therapy is far cheaper than martini therapy. That difficult health decision is yours to make!

### *Delaware Academy of Chemical Sciences –*

We can use your talents to help us open a Chemistry Museum/Outreach Center in Wilmington. Come join us in sharing chemistry with the public. Our dues are only \$25/year, \$15 for educators and \$10 for students. Our website is [delchemistry.org](http://delchemistry.org) and my email address is: [alvaldenio@aol.com](mailto:alvaldenio@aol.com)

### *50 and 60 Year Members –*

I hope that you will attend this annual luncheon to honor this amazing group of chemists. Mike Stemniski is now a "50-year Guy" who has given much to the Delaware Section. Please join me at this event. See you there!



## **E. Emmet Reid Award in Chemistry Teaching at Small Colleges – Dr. Malcolm D'Souza**

The Delaware Section of the ACS is pleased to announce that the 2012 E. Emmet Reid Award in Chemistry Teaching at Small Colleges in the ACS Middle Atlantic Region will be presented to Dr. Malcolm J. D'Souza, Professor of Chemistry at Wesley University in Dover, Delaware. Dr. D'Souza has published 70 peer-reviewed journal articles, has over 200 abstracts in conference proceedings, and has established a nationally recognized Wesley College Undergraduate Directed Research Program in Chemistry. He has been especially effective at involving undergraduates in his research projects and he has mentored over 100 undergraduate students in the laboratory since 1992, with 47 undergraduate co-authors on his list of peer-reviewed publications. Forty one of D'Souza's students have received merit/recognition awards at national conferences; many are awarded significant scholarships and fellowships, and are accepted in competitive graduate and professional school programs. D'Souza currently serves as Co-Director for Undergraduate Research on a \$17.4-million National Institutes of Health (NIH) IDeA grant to the State of Delaware. In addition to his research in organic chemistry, he also has projects, presentations, and publications in the area of chemometrics, developing commercial databases that assist in the development of new pharmaceutical and agricultural products.

The purpose of the ACS E. Emmet Reid Award is "to recognize, encourage and stimulate high quality teaching and research in small colleges." The presentation of the E. Emmet Reid award will take place on Friday, June 1, at the Middle Atlantic Regional Meeting of the American Chemical Society on the campus of the University of Maryland Baltimore County.

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# AMERICAN CHEMICAL SOCIETY PHILADELPHIA SECTION

## THIRD CAREER WORKSHOP

NetworkingNetworkingNetworkingNetworkingNetwork

**Thursday, May 17, 2012**

8:30 AM to 4:00 PM

LaSalle University Montgomery County Center

4000 Chemical Road

Suite 110

Plymouth Meeting, PA 19462

This full day workshop will again be packed with great speakers from the region. If you have attended our previous workshops, you remember our dynamic and diverse speakers, so we're excited to present this new workshop just for you! This third workshop will focus on the concept of networking and why it has become so important in managing your career. Topics will include:

- A general overview of networking
- Networking for chemists
- Branding: What is it?
- Job clubs: How they work

**Lunch will be provided.**

This is a free event, but registration is required so that we have the correct seating and enough food for everyone. Please note: Registration for this workshop ends at midnight, May 10, 2012 -- please order your tickets early!

LaSalle University's Montgomery County Center is located in Plymouth Meeting, Pennsylvania, and is conveniently located near I-476 (the "Blue Route" and the "Northeast Extension") and I-276 (the Pennsylvania Turnpike) as well as the Plymouth Meeting Mall and the Metroplex Shopping Center.

For more information and to register, please visit <http://acsphillycareerworkshop3.eventbrite.com/>



# Minutes of the Executive Committee Meeting

## Delaware Section of the American Chemical Society

Thursday, February 9, Yi Palace Restaurant , Fairfax

*Chair Andrea Martin called the meeting to order at 6:44 P.M..*

### Secretary's Report:

January minutes were approved electronically and posted on the website. Committee Chairs were asked to review and update the contact list.

### Treasurer's Report:

New account is open at WSFS and checks are being written from it. Information is below. Expense report contact information is on the website. Wells Fargo account will be closed. Mary Jo Bock and Xiaoli Wang will be doing last-minute handovers next week and then Xiaoli plans on closing the account. Mary Joe will discuss Quicken with Xiaoli.

National ACS still owes for MARM. Martha will give Mary Jo the contact information and Mary Jo will stress this needs to be done so the account can be closed. ACS Members Voluntary dues check was sent to the section. Means of disseminating expense/income information were discussed.

### Chair's Report:

Andrea Martin reported that the January lunch meeting was well-attended. She met an attendee who is a member of the Delaware Sustainable Chemistry Alliance. That group's goal is to make DE a hub for sustainability.

February section meeting is February 23rd, an evening meeting at the Courtyard Marriot in Newark. Speaker will be Dr. Thomas Epps, Assistant Professor, Chemical Engineering, University of Delaware. Bio will be in Feb. Del Chem Bulletin. Flyer was sent to UD, DSU, and Widener. Link on website wasn't working but is now fixed.

March 5 DESCA 2nd Annual Sustainability Summit will be held at DBI, \$25 for their non-members.

March 14 will be the Delaware Section Award Professor Andrew Teplyakov from UD was nominated. It will be a buffet at Deerfield Country Club. Cecil Dybowski will do the introduction. Norm Henry will present 2011 Best Junior in Chemistry at the University of Delaware Chemistry and Biochemistry Department award. Norm will send a letter to the awardee and will give Andrea information for the Del Chem Bulletin. The 2012 award will be given in the fall.

Carothers award is Tuesday April 3, at Doubletree on Concord Pike. It will be a served dinner with hors d'oeuvres. Awardee is Dr. Donald A. Tomalia.

A Student-Industry Poster Session will be held April 24 at the UD Chemistry building and include a seminar speaker for the students. A goal is inviting smaller companies to present posters about what they are doing. Call for posters will tentatively be in the March Del Chem bulletin.

April 28 Chemists Celebrate Earth Day. Recycling Events in DE and PA will be listed in the Del Chem bulletin

Andrea and Martha Hollomon are working on the Chemagination contest, winners will go to MARM. 2-3 student teams create artwork for the Chem Matters cover and a short narrative in one of four categories. Delaware State is a tentative location for the contest on a weekend towards the end of April. Plan is judging and pizza for everyone. Results are needed by the end of May.

May will definitely be a luncheon, 50 and 60 year members and high school award winners will be honored. Tentatively at Winterthur, target is mid-May.

A summer event may be scheduled, possibly a winery or brewery tour or Blue Rocks game.

Budget for 2012 is approved. Committee Chairs are set. Regenerating the email trees to facilitate publicity would be helpful, volunteers are needed. Del Chem and Facebook are currently being used but more effort is needed. No Innovative Project Grant proposal was submitted. The next opportunity is in June, ideas for fall are welcome. Some short courses Andrea attended in Fort Worth are worth considering for offering locally in the fall so she is exploring the possibility.

### Chair-Elect's Report:

See Chair's Report

### Past-Chair's Report:

Andrea reported for Kate Opper. The Annual Report is essentially finished. The remaining committee reports will be added by the end of the week. The councilors will decide among themselves who will review the report.

### Reports of Committees and Related Groups

- Awards. Norm will send out the Delaware Section Award information. The Best Junior in Chemistry at the University of Delaware Chemistry and Biochemistry Department nominee for 2012 will be selected in March. Need to send out textbook awards information. Andrea is in contact with Marge Christoph on transferring responsibility for high school awards to this committee.

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Timing of award was discussed, since Carothers is either March or April the awards could be scheduled for the alternate month. Call for nominations for awards deadline will be Sept 30.

- Audit-No report.
- Carothers. Award is April 3. Letter to sponsors was distributed to the committee this week, and will be going out.
- Government Affairs: John Gavenonis, Andrea, Martha, and Al Denio are scheduled to visit Senator Coons on February 21. Kent County Science Fair will be held at DSU in early May, ACS will participate. On February 17 Martha, John, and Al will meet with Senator Carper at his Dover office.
- National Chemistry Week. Report on this year's event will be submitted to Kate for the annual report. Next year's theme is Nanotechnology.
- Other committee reports:
  - Alpha Chi Sigma-Adventures in Chemistry Friday March 9 9:30 A.M. at Wilson Elementary.
  - Delaware Academy of Chemical Sciences. No report.
  - Chemists Celebrating Earth Day. National ACS, encourages local sections to participate. Todd Brugel reported on potential events that the Section could become involved in. One is sponsored by DSWA at Killens Pond on April 21. Tables are free. Todd has a registration form. This could be an opportunity for downstate members. Martha has contact information for two members in that area. Wilmington's Earth Day celebration is in Rodney Square on Friday April 20 at lunch time (11-2). Registration information will be available shortly. Al Denio is in contact with Hagley Museum, they sponsor a Nature Fest on April 28 which celebrates Earth Day, Arbor Day, and May Day. Al met with the organizers. The theme is STEM elements of nature, and water. ACS would be included in the literature. The group decided to participate in the Hagley event. Materials, handouts, and giveaways from National ACS were discussed. There is money budgeted for this activity. Materials left from NCW can be used. Delaware Sustainable Chemistry Alliance has been contacted about possible participation.

#### **Old Business:**

Allison Moore made a motion that the Delaware Section covers the councilors' (or alternates') travel expenses for the 2012 Spring National Meeting in San Diego, and that councilors are encouraged to minimize expenses. The motion was seconded by Mary Jo Bock and passed unanimously. All are planning to attend this spring.

#### **New Business:**

Andrea presented a request via John Gavenonis, a request from the Delaware Valley Science Council for a \$350 donation to honor outstanding science students. The awards are competitive and sponsors are recognized. Donors name an award. Tiffany Hoerter made a motion to contribute \$350 to the Delaware Valley Science Council for their student competition award winner. Norm Henry seconded the motion and it passed unanimously.

Nominations need to be in by end of month. Contested elections are desired and the Nominating Committee requested help in identifying candidates. Positions and candidates are:

- Chair-elect 2012: Tiffany Hoerter
- Chair-elect 2013: need candidates
- Secretary 2013: Julie Brady
- Councilors and Alternate Councilors 2013-2015 : John Gavenonis, Martha Hollomon, Norm Henry and Nora Radu
- Director 2013-2015: Todd Brugel

Tiffany will write up an appeal to be sent via Constant Contact to the section and she will send it to Lois. The February 20th Science Café time is listed incorrectly on the website, it is at 8 P.M.

#### **Officers and Councilors Present:**

Andrea Martin , Julie Brady, Mary Jo Bock, Tiffany Hoerter, Martha Hollomon, Allison Moore Maggie Schooler, Norm Henry

#### **Officers and Councilors Absent:**

Jade Duan, Sri Kidambi, Nora Radu, Lois Weyer, Kate Opper, Jeff Moore, John Gavenonis,

#### **Others Present:** Todd Brugel

The meeting was adjourned at 8:31 pm

Respectfully submitted,

*Julie E. Brady*

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## CALENDAR OF EVENTS

### May

- 1** Delaware Valley Enzymology Club  
**2** Kent County Science Fair  
**4** Delaware State High School Chemistry Exam, McKean HS  
**15** Chem Vets – “Breathing the Air in Delaware”  
**17** Philadelphia Section Career Workshop  
**17** Winterturk “Uncorking the Past: The Archaeological and Chemical Origins of Viticulture”  
**22** 50- and 60-year Member Luncheon and High School Awards  
**25** SAS/ACS Joint Meeting – Analysis of Food Contaminants  
**TBA** Executive Committee Meeting