

ACS Pittsburgh Section
Executive Committee Meeting Minutes
September, 27th 2010
Mellon Institute

Attendance:

Robert Mathers, Toby Chapman, Joe Jolson, Mordecia Treblow, Guy Berry, Fu-Tyan Lin, Michelle Coffman, Emanuel Schreiber, Heather Juzwa, Diane Cohen, Pat Von Dreele, Jim Manner, and Simion Coca

Secretary Report: The minutes from September 2nd were accepted.

Report on Programs and Activities from Committee Chairs

- 1) The committee discussed the possibility of having the **Crucible** available in electronic format only. Jim Manner contacted Michael Filosa to discuss the monthly publication of the Nucleus for the Boston ACS section. Jim received the following comments:

We do not send out the Nucleus by email to our members at this point. It is available electronically on our website going back to 2002. We still print 7500 issues and use 3rd class mail to deliver them to our members. At our Board of Pubs meetings we have talked about going to a hybrid of email and print but have not done it at this point. We too have been concerned about any negative effect on advertising since that revenue is very important in allowing us to send a printed version to all of our members. We have discussed this with Vince Gale several times but we have not been under pressure to cut our budget significantly. At some point we do see the Nucleus resorting to a mix of print and electronic. The Vortex (Northern California) has already done this. Vince (MBO) also sells advertising for the Vortex. Their experience may be more relevant to what you are thinking of doing.

The Nucleus does lose money but we are subsidized by our Section to the tune of about \$20K per year out of our budget of about \$65K per year. Layout and mailing are the bulk of our budget and advertising delivers revenue equal to about two thirds of our expenses. The section also has some dedicated

endowment to help support the publication of the Nucleus and cover a portion of the \$20K subsidy by the section.

2) Simion Coca gave a **Financial Report**.

3) Mordecai Treblow gave the **Finance Committee** report.

- The funds (\$155,246.86) have been transferred from the ACS Investment Pool to Hefren-Tillotson.
- Guy Berry motioned to have the allocation of funds reviewed by the executive committee.

4) Joe Jolson had the following report:

- The fall **Energy Symposium** is planned by the Pittsburgh Energy Tech group on Nov 17th. The title of the symposium is Water Management During Hydraulic Fracturing of Marcellus Shale for Natural Gas Production. The attached announcement for the November 17th Marcellus Shale dinner meeting has been received by Traci Johnsen and will be placed in the Crucible.

5) Heather Juzwa had the following report:

- The **YCC** had a recent bowling outing.
- The **IPG grant** will be used to sponsor the 1st Annual Crossroads meeting on November 22nd. The meeting was advertised in the Crucible.

6) Diane Cohen reported that the **Chemists Club** will meet on October 26th, February 22nd (lunch meeting), March 29th, and May 31st. All meeting, except February 22nd will be evening meetings at the Spaghetti Warehouse. A misprint was noted in the Crucible.

7) The **Energy Technology Group** will be meeting October 20, 2010 at the Spaghetti Warehouse in the Strip District. Dr. Stanley Penkala will give a presentation entitled "Global Warming: Human Activity or Something Else?"

8) Tabitha Riggio had no report for **Project SEED**:

9) The upcoming year (2011) will be the **International Year of Chemistry**.

- 10) In 2014, Pittsburgh will be hosting the **ACS regional meeting**. Heather Juzwa and Jay Auses will be co-chairing the meeting.
- 11) The **Pittsburgh Award** for Alan Russell and the **Service Award** for Mordecia Treblow will be held on November 16th.
- 12) The committee discussed modifying the **Bylaws** for the section. If modifications are proposed, Bylaw XVI (section 1) states that only a "simple majority of letter ballots returned by members" is required. Bylaw XVI (section 2) states that "any member of the section may submit in writing a proposed amendment." The Bylaws can be found on-line.
- 13) The committee discussed the **Carnegie Library Endowment**. The agreement is attached.
- 14) Candidates for **2010 Elections**:
- This year Jim Manner, Robert Mathers, and Michelle Coffman will be running for councilor. The 2 candidates who are not elected will serve as alternate councilors.
 - This year Joe Jolson is running for director. We currently have 4 directors (Guy Berry, Bob Wikowski, Toby Chapman, and Mordecia Treblow).
- 15) Jim Manner mentioned the **ChemLuminary Award** at the SACP meeting on September 13th and the SSP meeting on September 15th. It was the 10th award given to Michael Mautino and the Pittsburgh section for National Chemistry Week.
- 16) **National Chemistry Week** is scheduled for October 17 to 23rd at the Carnegie Science Center. The theme is "Behind the scenes with chemistry."

Next Meeting: The next meeting is Monday October 25th, 2010 at 5:30 pm in the Social Room of the Mellon Institute.

Reported submitted on October 4th by Robert Mathers, 2010 Secretary of the Pittsburgh ACS section.

AICHE-Pittsburgh; ACS-Pittsburgh Chemistry Club and Energy Technology Group; and Pittsburgh Energy Technology Group

Wednesday, November 17, 2010

Speakers: Dr. K.B. Gregory and Dr. R.D. Vidic

**Water Management During Hydraulic Fracturing of Marcellus Shale
for Natural Gas Production**

The process of hydraulic fracturing which liberates natural gas from shale produces large volumes of high-strength wastewater known as “flowback.” Flowback water is commonly a brine solution, laden with metals and hydrocarbons which originated in the shale formation. The economical management of flowback water for energy production and environmental stewardship is challenging. A variety of conventional desalination and disposal technologies have been suggested for flowback water management but their application is often limited by environmental regulations, regional topography, or a lack of sufficient infrastructure. However, novel approaches toward water management during hydraulic fracturing enable economical recovery of shale gas while greatly minimizing waste volumes and their associated environmental risk. The challenges and emergent water treatment and management strategies for produced water from hydraulic fracturing will be described from recent data collected during natural gas production from the Marcellus shale in the U.S.

Kelvin B. Gregory, Ph.D. is an Assistant Professor of Civil and Environmental Engineering at Carnegie Mellon University. Dr. Gregory’s research is focused on advancing environmental biotechnology for water treatment through an enhanced understanding of the underlying principles of biogeochemistry and microbial ecology. Current projects aim to enhance our understanding of biological and geochemical processes occurring during treatment of produced water from oil and natural gas development, develop contaminated sediment applications for electrode-based biotechnology, and enhance the understanding of how microbes and nanomaterials interact in the environment.

Radisav D. Vidic, Ph.D., P.E., is William Kepler Whiteford Professor of Environmental Engineering and Chairman of the Department of Civil and Environmental Engineering at the Swanson School of Engineering, University of Pittsburgh. His research efforts focus on advancing the applications of surface science by providing fundamental understanding of molecular-level interactions at interfaces, development of novel physical/chemical water treatment technologies, water management for Marcellus shale development, and reuse of impaired waters for cooling systems in coal-fired power plants. Dr. Vidic was elected by the Pittsburgh section of the American Society of Civil Engineers as 2008 Professor of the Year.

Location: Spaghetti Warehouse, 26th & Smallman Streets, Strip District, Pittsburgh PA.

Free parking behind the restaurant. Social Hour 6:00 pm, Dinner 6:30 pm, Talk 7:30 pm.

For reservations, please call Connie Zaremsky by Monday, November 15 at 724-554-3691 or by email at connie.zaremsky@netl.doe.gov. Our meetings are open to all.

The cost of the dinner is \$16 including tax and gratuity. Please specify your preference: spaghetti with meatballs, 15-layer lasagna, four-cheese manicotti, fettuccini alfredo, or grilled chicken Caesar salad. Also please indicate special needs such as vegetarian, gluten-free, etc.