

DALLAS SECTION AIChE FEBRUARY 25, 2014 EXECUTIVE COMMITTEE & GENERAL MEETING MINUTES

A Dallas Section AIChE Executive Committee Meeting and a General Meeting were held on February 25, 2014 at Two Guys From Italy restaurant in Dallas, TX.

A) EXECUTIVE COMMITTEE MEETING

The attendees were as follows:

Chair:	José Ramiro Rodríguez Perazza
Vice Chair:	Donald B. Miller
Secretary:	Frederic S. Eisen
Director:	Lacrisha (Lacy) Bishline
Director/Past Chair:	Nancy D. Garnett
Director:	Elizabeth C. Hilbourn
Director:	Lee M. Vickers

The Treasurer, Fernando J. Aguirre, was an excused absence because of business travel. The Secretary determined a quorum was present.

Below is a brief summary of the meeting.

- 1) Local Section Leadership Workshop –The Chair and Director Lee Vickers are planning to attend the next LSLW meeting in New Orleans this April. Two travel grants, with a maximum of \$1,000 for both, were approved by Home Office.
- 2) Young Professionals Group – Director Lacy Bishline held another Happy Hour and Mixer for Young Professionals on February 18th at Origin. Nine attended, some of which were present at our meeting.
- 3) 2014 TSPE Engineers Week – Lacy Bishline was selected to be our Chemical Engineer of the Year recipient (for the TSPE Engineers Week Awards Banquet to be held during Engineers Week on February 27, 2014). The Section purchased a table for 10. The Chair is unable to attend leaving two spots available for other section members.
- 4) Section Bylaws – Home Office has approved the Section Bylaws subject to a few changes. The Executive Board unanimously approved the changes. Two officer signatures are still needed. One is the Treasurer who has been mailed the document for signing. The other is Director Hilbourn. The chair will coordinate with her to complete the signing.
- 5) Update on Programs –The presentation for the March meeting has not yet been finalized. A local brewery or winery tour is being looked into for a possible future meeting, probably on a Saturday.

6) Treasurer's Report – There is no change from the Treasurer's report which was approved by the Executive Committee and presented to the members attending the prior meeting. \$10,614 is in the bank.

7) Prior Meeting Minutes – The January 28, 2014 meeting minutes were approved.

B) GENERAL MEETING

The meeting was held at Two Guys From Italy restaurant. Attendance at the general meeting was 20.

The Chair made some welcoming remarks. Two attending members were selected to attend the TSPE Engineer's Week Banquet at the AIChE table. The Treasurer's report was presented. The Vice Chair discussed the possibility of a brewery or winery tour possibly on a Saturday in March.

The speaker for the evening was Marianne Zimola, Sr. Process Engineer for Advanced Technologies, Great Southern Group LLC (GSF). Her topic was "The World's First Flameless Crude Heater".

The world's first flameless crude heater has been running continuously in flameless mode at a Coffeyville, KS refinery for about one year. Actual operating and performance data for the approx. 3600 BPD unit were presented. While high temperature air combustion (HTAC) technology and flameless combustion are not new concepts, they are new to the direct-fired process heater industry. GSF's flameless crude heater can be run both conventionally and in flameless mode. The latter runs cooler with more evenly distributed temperatures resulting in a predicted 3-8 ppmvd (parts per million, volumetric dry) NOx emissions. This technology will meet process radiant flux requirements, increase efficiency and reduce emissions.

This revolutionary flameless technology utilizes HTAC for maximum efficiency and CO₂ reduction yet the process produces NOx levels which previously have only been achievable with an SCR (Selective Catalytic Reduction) unit. Cost for a new system is equivalent to a conventional double fired heater with a conventional balanced draft air preheat system.

The meeting was adjourned at approximately 9 PM.

Fred Eisen
Secretary

3/2/14