

DALLAS SECTION AIChE MAY 13, 2014 EXECUTIVE COMMITTEE & GENERAL MEETING MINUTES

A Dallas Section AIChE Executive Committee Meeting and a General Meeting were held on May 13, 2014 at the Two Guys From Italy restaurant in Dallas, TX.

A) EXECUTIVE COMMITTEE MEETING

The attendees were as follows:

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| Chair: | José Ramiro Rodríguez Perazza |
| Vice Chair: | Donald B. Miller |
| Secretary: | Frederic S. Eisen |
| Immediate Past Chair: | Nancy D. Garnett |
| Director: | Lee M. Vickers |

Directors Lacrishia (Lacy) Bishline and Elizabeth C. Hilbourn and Treasurer Fernando J. Aguirre were excused absences. Director Bishline gave her proxy to the Chair.

The Secretary determined a quorum was present.

Below is a brief summary of the meeting.

1) Officer Elections – The election of new officers will be at the June meeting. The need to assign an election committee (of at least two people) was discussed. Later, during the general meeting, Andy Moore and James Montgomery were appointed.

2) Young Professionals Group – Another get-together is being planned for June 3rd at the Fillmore Pub in Plano, TX.

3) Section Communications - Lee Vickers and Elad Har-Evan agreed to assist the Chair with the section electronic communications.

4) Meeting Minutes– The minutes for the March 25, 2014 and the April 22, 2014 were approved.

5) Update on Programs –The Vice Chair is working on a speaker to discuss natural gas activities and the earthquake problem in North Texas.

6) Treasurer's Report – The Treasurer's report was received by the Executive Committee and presented to and approved by the members attending the general meeting. \$11,122 is in the bank.

B) GENERAL MEETING

The meeting was held at Two Guys From Italy restaurant. Attendance at the general meeting was 17.

The Chair made some welcoming remarks. He pointed out that officer elections are coming this June and requested volunteers for the election committee and to run for office. Andy Moore and James Montgomery agreed to serve as the election committee.

The speaker for the evening was David S. Dickey, Principal of Mix Tech Inc. His topic was "WHAT IS GOOD MIXING?".

The purpose of this talk was to help engineers and scientists recognize the differences between "good" and "bad" mixing. Mixing is not just one operation, but different aspects of fluid motion depending on the application and process objectives.

Mixing may mean blending for uniform properties; intense local turbulence to promote chemical reaction; off-bottom suspension of solids for dissolution; dispersion of a gas for mass transfer; complete motion of a viscous fluid; or dispersion of immiscible liquid to form an emulsion. Describing "mixing" in real process objectives is important to understand how to achieve "good" mixing.

All liquid mixing involves flow patterns. Some flow patterns are incorrectly thought to represent "good" mixing. A strong surface vortex is usually a sign of poor mixing. An up-pumping impeller is not good for suspending solids. Different types of impellers work better in certain situations. Seeing flow patterns can be an aid in understanding "good" mixing.

Mixing has many differences. No one type of fluid motion or mixing equipment works in all applications. Understanding flow patterns can help establish ways to improve mixing. Mixing can be a solution to a problem or an opportunity for improvement. Understanding what works and what does not is an essential part of doing "good" mixing.

The meeting was adjourned at approximately 9:10 PM.

Fred Eisen
Secretary

5/25/14