

American Institute of Chemical Engineers
Dallas Section

Regular Meeting Minutes
Prepared by José Ramiro Rodríguez
February 24, 2009

Meeting Info:

Date: February 23, 2010
Time: 6:00 to 9:00 PM
Place: Two Guys from Italy Restaurant
11637 Webb Chapel Rd.
Dallas, TX 75229

Attendees:

<u>Name:</u>	<u>Position:</u>	<u>Phone:</u>	<u>e-mail:</u>
Keith Miller, PE	Chair	214-206-2711	keithmiller@atmosenergy.com
Nancy Garnett, PE	Vice Chair	972-647-3414	ngarnett@txi.com
José Ramiro Rodríguez Perazza, PE	Secretary	940-725-0493	jrodriguezperazz@aol.com
Fred Eisen, PE	Director		thefeisens@earthlink.com
Bob Short, PE	Director	972-820-7450	blshort@verizon.net
Derek White-Stevens, PE	Director	972-235-1958	dwhite-stevens@appliedConsultants.com
Neal Abernathy	Director		NealAber@aol.com
Ken Konvicka, PE	Member		
Walter Chad	Member		walter@cclaw.com
Karl Gutzke	Member		Gutzke@sbcglobal.net
Evelyn Gutzke	Guest		
Daniel U	Member		u.daniel@gmail.com
Jerry Gump, PE	Member		jerryg1995-1999@yahoo.com

Excused:

Don Abrahamson	Treasurer	972-443-4942	donald.abrahamson@celanese.com
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Officers and Directors Meeting

The Chair called the meeting to order at 6:05 PM. Present at the moment were the Chair, the Vice Chair, the Secretary and two Directors (Eisen and Abernathy). Others joined the group within a few minutes.

Upon excusing the Treasurer, who was ill, the chair presented the Treasurer's report. He indicated the Treasurer recently received a check from National for our Section's dues for the amount of \$980.00. The balance in our checking account is now slightly over \$9,800.00. The bills for the posters and plaque from the Texas Society of Professional Engineers (TSPE) Luncheon on February 16th have not yet been received. The Treasurer's report was unanimously approved upon motion by Fred Eisen, seconded by Bob Short.

The Chair summarized the minutes of the previous meeting, copies of which had been distributed by the Secretary. The minutes were approved unanimously upon motion by Bob Short and second by Fred Eisen.

Director Eisen requested a copy of the latest contact list for the Section Officers. The list is included at the end of these minutes.

Upon no further business the Meeting was adjourned.

Section Meeting

The Chair presented the Treasurer's report to the membership. He indicated that the exact amount in the checking account was \$9,809.90 after receipt of a check from National for our Section's dues for \$980.00. Also informed that we have yet not been billed for the posters and the plaque at the Texas Society of TSPE Awards Banquet on February 16. At this luncheon our Treasurer, Don Abramson, was honored as the Chemical Engineer of the year.

The Treasurer's Report was approved upon motion duly processed.

The Chair indicated that today's speaker would be Derek White-Stevens. The subject would be Oil Refining.

Director Eisen made a short presentation of the Engineer's Week Luncheon held on February 16th and passed around the program that was distributed at the event. The report was approved by the Section.

The Minutes of the January 26 meeting were summarized by the Chair. He indicated that last month's presentation was by Dr. Elliott Short from Raytheon. The Minutes were approved upon the corresponding motion and seconding.

Engr. Gutzke asked about the possibility of establishing a scholarship for chemical engineering students. The Vice Chair explained that at the present time the section does not have the funds necessary for this activity. This would require fundraising activities that are presently beyond the capabilities of the Section. The subject could be taken up in the future upon a build up in the Section funds and an improvement in the economy. Banquets and seminars could be sponsored as fundraisers.

Upon no further business the meeting was adjourned.

Presentation

Speaker: Derek White Stevens, P.E.

Topic: Oil Refining – 1 hour CEUs

Biography:

Derek White-Stevens has over 40 years of domestic and international experience in process design, process engineering support, technical services, and construction oversight for new and existing facilities in oil and gas refining, producing, pipelining, and petrochemical processing industries. He is currently working with Applied Consultants, Inc. His previous experience includes 7 years with Valero Energy Corporation and 9 years with ARCO International Oil & Gas.

Derek earned a B.S. Chemical Engineering from the University of Rochester, Rochester, NY and completed some graduate studies at Temple University, University of Houston, and MIT. He is a Registered Professional Engineer in Texas. He is a member of AIChE, ASME and is a registered Nuclear Analyst.

Description of presentation:

The Vice Chair made a short introduction summarizing the speaker's qualifications. She then circulated his extensive résumé in the audience.

Engr. White-Stevens presented a comprehensive summary of the processes involved in oil refining. He presented typical crude compositions, and the general process of cracking and separation, as well as the concept of flexible distillation cuts to adjust the production of different fuels based on their respective supply/demand economic factors that affect the performance of refineries.

He explained oil refining in the context of the production of fuels of different grades. Went on to describe the different methods used to increase the octane rating of gasoline: isomerization, reforming, and alkylation. These chemical processes were developed to add multi-branched, cyclic, & aromatic components to the hydrocarbons to make-up for the removal of lead from the fuels.

Energy recovery and efficiency, environmental protection and sulfur removal are important aspects of the industry. The disposal of sulfur has become difficult, as production has for a long time exceeded demand, and millions of tons of elemental sulfur are being stockpiled throughout the world.

Engr. White-Stevens offered a copy of his Power Point presentation to any one interested.

The presentation ended with a questions and answers period.

Vice Chair Garnett presented a token of appreciation to Engr. White-Stevens..

Dallas AIChE Section Officers

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