

Joint AICHE-DVS/ISA February 25, 2004 Meeting

By Robert Madayag

AICHE-DVS Student Chapter Relations & Awards Coordinator

In the days where distillation column models and process efficiencies were calculated using a slide rule, the chemical engineer could rely only his or her understanding of chemistry, math and physics to perform at a high level. Those days have since vanished. Today, columns are modeled using expensive computer programs. Process efficiency is often measured using real-time *in situ* monitoring devices that utilize complex process control equipment. The knowledge base required of a chemical engineer to do his or her job has vastly changed as technological advances have made their way into the chemical engineer's world.

To remain viable in today's marketplace, chemical engineers must expand their horizons into areas not traditionally associated with chemical engineers, a view taken by the national AICHE Board of Directors and the universities that educate future chemical engineers. Many undergraduate schools in the past required that chemical engineers take courses in Electrical Engineering, Mechanical Engineering, and other engineering disciplines. Today, schools have recognized that in order to equip their students with the knowledge necessary to function effectively in the world of today and tomorrow, they must introduce their students to topics often seen as peripheral to chemical engineering; biology, computer science, material science, public speaking, etc.

Building on the foundation the national AICHE has set towards expanding into new horizons and seeking new opportunities, the DVS-AICHE has partnered once again with the New Jersey section of the Instrumentation, Systems and

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DVS-AICHE has partnered with the New Jersey section of the Instrumentation, Systems and Automation Society

Location:

Rowan Hall Auditorium
Rowan University - Glassboro, NJ
http://www.rowan.edu/campus_map/

Program:

6:30-7:00pm
Social, Sandwiches and refreshments
7:00~8:00pm
Presentation and questions
8:00-8:30pm
Continue with questions (if desired),
Socialization, Networking

Ticket Price: Dinner \$ 10.00 estimate.

RSVP: by February 20th
to Bill Youngblood,
wyoungblood@comcast.net
610-525-1935

Please leave name (spelling), number attending, meal choice, company affiliation, phone & Fax number. No shows will be billed.

Chair's Chat

By William C. Youngblood, Esq.

Wow! What a meeting!! On January 20, 2004, fifty-five members of AICHE-DVS were provided a special treat in the form of an outstanding presentation by Dr. Dianne Dorland, AICHE President in 2003, at the magnificent Union League in Philadelphia. To quote one member, "It was the best presentation in my eight years of attending AICHE-DVS meetings."

AICHE-DVS members enjoyed the Union League in all its splendor, occupying two grand rooms – one for socializing, the other for dinner and the presentation. Numerous members approached me throughout the night asking if we can hold future meetings at the League. Why not?! The general consensus from those who attended the meeting was that, while holding meetings at the Union League may be a bit more expensive compared to some other venues, the value in holding future AICHE-DVS meetings with such a dynamic speaker as Dr. Dorland, is well worth the additional cost.

Dr. Dorland presented and answered (tough) questions about AICHE's recent past, its present state and its future as a professional Institute. Dr. Dorland addressed head-on the recent cost cutting initiatives implemented by AICHE, standing behind the Institute's decisions to reduce its staff significantly, to sublease office space in New York, and even to eliminate a lobbyist position. Dr. Dorland explained how and why AICHE, like many other professional Institutes, experienced a fiscal crisis, while also emphasizing that the difficult decisions made to date will enable AICHE to once again move forward as a stable and

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IN THE REGION**James D. Burke chairman of American Chemical Society**

James D. Burke, a retired Philadelphia chemist, has been elected chairman of the board of directors of the American Chemical Society. He will start his term Jan. 1. Burke spent his industrial career at Rohm & Haas Co. From 1996 until his retirement in 2001, he was the company's manager of technical recruiting and university relations in the United States.

LETTER TO THE EDITOR

The most recent DVS AIChE Newsletter contains some of the best articles I've seen in a long time. Another great issue of your award winning newsletter! Congratulations!

Dave V.

CHEMICAL CONSULTANTS NETWORK - February 11, 2003, Meeting

[Visit our web page at www.chemconsultants.org](http://www.chemconsultants.org)

Date & Time: Wednesday, February 11, 2004 at the Cynwyd Club, Bala Cynwyd, PA; Mixer, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM.

Speaker Topic: Legal Issues for Consultants - Arnold W. Winter and Adam G. Garson

Abstract: As attorneys who have advised consultants in various fields, Arnold Winter and Adam Garson will provide an overview of some of the legal concepts and tools that can help develop and grow a consulting practice. Time will be provided at the end of the presentation to discuss questions and comments from the audience.

Biography: Arnold W. Winter, Esquire. Arnold Winter has been practicing law since 1991, focusing on intellectual property as well as general business and commercial matters. In 2002, Mr. Winter joined the law firm of Lipton, Weinberger & Husick in Media, PA. Being fluent in German, Mr. Winter also has a foreign language translation business. Before attending law school, Mr. Winter held the position of Contracts Administrator for a women and minority-owned consulting firm in Washington, DC. Mr. Winter received his law degree in 1991 from Duke University School of Law and is admitted to practice in Pennsylvania and New Jersey. He also holds a Masters of Arts degree in History and North American Studies from the Free University Berlin, Germany.

Adam G. Garson, Esquire. Adam Garson is Of Counsel to the law firm of Ralph A. Jacobs & Associates, LLC of Philadelphia, Pennsylvania. Mr. Garson's legal practice focuses on commercial litigation, intellectual property, and computer/Internet law. He is experienced in representing clients ranging from individuals to large companies. Mr. Garson also runs a software company for which he writes software in his spare time. He holds a J.D. degree from Temple University, a Ph.D. from Yale University, and a B.A. from Colgate University.

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004.

From City Line Ave. (Route # 1) drive north on Conshohocken State Road (Route # 23) about 3 long blocks. Continue north on Trevor Lane instead of following Route #23 left. At "Y" in road one block north on Trevor Lane turn left where clubhouse and parking are on the left side of the road. Please park in lot if space is available; otherwise park on Trevor Lane. If lost, call the club at 610-667-4524.

Reservation: To make or cancel a dinner reservation, e-mail CCNReservations@aol.com or call the ACS office at 215-382-1589 (leave message on voicemail if necessary). Fee, including food and beverages, is \$20 provided reservations are made before 6 PM Friday, Feb. 6th; \$25 if made subsequently by 10 AM Monday, Feb. 9th. If no reservation is made by the final deadline, food and beverages will not be available unless a cancellation occurs. No-shows will be invoiced. No reservation is required for talk only; however, we ask that you please register so that we can notify you of any change in plans.

TIME BONUS - by Steven Wood

Once every 4 years, our calendar rewards us with an extra day. In a sad irony, that day is stamped onto the end of February. Why not put it somewhere between May and October when the weather is not freezing, wet, and miserable? Congratulations to my colleagues who like to ski or snowmobile. For me, I just cannot get too excited about an additional February day. Perhaps I am in a melancholy mood upon learning of the death of a beloved professor. Professor Leonard A. Wenzel of Lehigh University passed away November 23rd, 2003 after a long illness.

Please see <http://www3.lehigh.edu/engineering/news/inmemoriamwenzel.asp> for more information.

My memory of Prof. Wenzel goes directly to the day I bombed the first exam in

"Introduction to Chemical Engineering" during the fall of my sophomore year at Lehigh. Professor Wenzel was the teacher of the course as well as the author of the textbook. Upon receiving the score results, I quickly found myself sitting in his office discussing my future. My commitment to engineering was wavering. The plan I had set forth in high school had hit a very big snag. I shared my concerns with him and my lack of confidence that I could grasp the fundamentals and pass the course. He listened and remained silent. Professor Wenzel loved silence. I hated silence and felt a need to fill it... so I rambled on about my concerns. He remained silent. I was not sure what to say or do. I waited for him to speak. And waited.

Finally, he spoke. Professor Wenzel told me that many students have been in a similar place. Some have made it though the Chemical Engineering curriculum and some had not. His simple suggestion to me was to double my efforts and see if the concepts would come. He enlisted a graduate student as a tutor for me. I worked harder, I spent time with the tutor, and I started getting called on more frequently during lectures by Professor Wenzel. He routinely checked my progress. The concepts began to make sense. I passed the class. I was back on plan.

To this day, I remember the silence in Professor Wenzel's office. The silence, I am sure, was his powerful way of caring. His way of making sure that I had said everything I wanted to say and that he would say the right things to help me. Thank you, Professor Wenzel.

You too can be a resource and mentor to student engineers. Being a resource to student engineers as they embark on their careers is one the most powerful roles you can play in advancing the engineering profession. The good news... February provides a bonus day for you to put to use as a member of AIChE and help some of our student members. We hope

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DVS January Meeting

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Automation Society (“ISA”) to present a panel discussion for engineers and students. The ISA has a long history of advancing ideas and supporting members in the areas of Automation and Control. With a membership of +38,000 and an active seminar schedule, the ISA has advanced, and continues to advance, the professional development of its members.

The panel discussion will feature practitioners from both the AIChE and the ISA in various fields, such as project management, environmental, etc. The panel will be available to answer a wide range of topics, ranging from high level technical questions related to automatic and control to questions about employment and education.

I welcome every chemical engineer, including students, to attend this joint meeting. It is not only a great opportunity to meet professionals that you may not ordinarily come in contact with, but because the local university student chapters are invited to attend, you may also help guide young and upcoming chemical engineers in their path towards career satisfaction.

Pictured Right: (L toR)

Bill Celenza, PA
Dr. Dianne Dorland
Bill Youngblood, Esq.

Chairs Chat

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independent Institute for its members. Very importantly, Dr. Dorland made clear that AIChE will concentrate on the “essential” in moving forward – that is, essential member services and programs (as determined by the members), while also making very clear that every AIChE member is essential to the Institute’s continued success. On behalf of all of the members of AIChE-DVS, I would like to thank Dr. Dorland, not only for her presentation on January 20th, but also for dedicated service to the AIChE over the last year and for continued success as Dean of Engineering at Rowan University.

"Networking for Busy People"

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that you'll consider using the extra day to attend our student night at Rowan University on February 17th.

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Future DVS AIChE Meeting

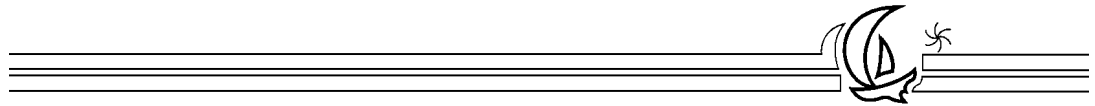
March TBA

April 6, 2004 Meeting will feature our annual student awards.

The Speaker will be Ray Miller of Dupont. He will be speaking on where Chemical Engineering is going in the future. Mr. Miller is Program Director, Bio Refinery and Business Development

May TBA

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