

Annual DVS Students Awards Banquet

Tuesday April 6th, 2004

Speaker Ray Miller of DuPont

Chair's Chat

By William C. Youngblood, Esq.

In the past, petroleum has been the basis for a majority of the products used in everyday life: oil, gas, plastics, and fibers. But as the push towards environmentally friendly products gains speed, researchers and chemical companies have looked beyond petroleum to find cheaper, cleaner methods for producing these important products.

A common farm product has become an uncommon source of products: corn. In recent years, developments in the chemical industry have used corn to produce products such as ethanol fuel, plastic wrap, and now, fibers. Dupont has produced a fiber with characteristics similar to their very popular line of fiber, Lycra. Ray Miller, technology and business development manager is developing this fiber, called Dupont Sorona or its generic name of 3GT, for commercialization.

Ray Miller will be speaking at the annual DVS Student Awards dinner, April 6, 2004 at 7pm. All engineers and students are encouraged to listen to him address the winners of the Annual Student of Year award winners. It is a wonderful opportunity to hear from one of the engineers at the center of the developments.

Mr. Miller joined DuPont's Engineering Service Division after earning his BSChE from Georgia Tech in 1972. After successive two-year assignments in Polyester Intermediates, Acrylic Fibers, and Chlorine Operations, he was appointed Technical Supervisor of Agrochemicals intermediates at Belle, WV. In 1980, Mr. Miller was appointed Section Supervisor, responsible for engi-

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The miracles of science

Ray Miller has been with DuPont since 1972 after graduating with his BSChE from Georgia Tech.

Location:

Widener University
Chester, PA campus
Directions on AICHE-DVS Website
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Program:

6:30-7pm: Socializing
7-7:30pm: Dinner Starts
7:30-end: Ray Miller (speaker), Awards Presentation

Ticket Price:

Free for Student Awards Winners
\$15 for Students
\$30 for Non-Students

RSVP:

Robert Madaayag by Friday April 2nd at rmadayag@law.villanova.edu or leave a message at 610-688-3926

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

The DVS-AICHE has always appreciated the value of having five area universities with well-established chemical engineering programs. Over the years, DVS-AICHE has reached out to AICHE Student Chapters at Drexel, Penn, Villanova, Widener and Rowan, including sponsoring an annual Student Awards Banquet which this year (as you will read in this edition of the newsletter) is being held at Widener University on Tuesday, April 6, 2004.

In addition to the Awards Banquet, DVS-AICHE has, from time to time, focused on involving AICHE Student Chapters in meeting events - two of which occurred recently. In support of 2004 Delaware Valley Engineers Week, DVS-AICHE and The Instrumentation, Systems, and Automation Society (ISA) South Jersey Section sponsored a Student Night at Rowan University attended by students from both Rowan and Drexel on February 25, 2004. DVS-AICHE members Doug Kriebel, William Celenza and Kelley Kearns, as well as members of ISA, appeared as guest speakers and presented an overview to students of their representative engineering positions, highlighting the steps of their career path leading to their current position.

More recently, on March 4, 2004, DVS-AICHE participated in a Student Night sponsored by the University of Pennsylvania AICHE Chapter at Houston Hall on Penn's campus. The students of Penn did an excellent job of organizing the event, which included a sit-down dinner for everyone in attendance. Five guest

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DVS April Meeting

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neers assigned to Polymer Products, Chemical Engineering Consultants, and Engineering Design. In 1984, he was appointed Consultant Supervisor, responsible for Reaction Engineering Consultants. In 1984 he assumed responsibility for Corporate Chemical Engineering Research. In 1987, he was appointed Americas R&D Manager for Engineering Polymers, Automotive and Fluoropolymers businesses, and in 1990 was named Technology Manager, Nylon Enterprise. In 1995, Mr. Miller was appointed New Business Development Manager, Nylon and launched the "3GT Venture", DuPont's most advanced new polymer platform. Sorona[®] 3GT, which will be the first DuPont polymer to use a bio-based raw material, is now DuPont's leading business in the recently formed Bio-Based Materials Strategic Business Unit. In December, 2002, Mr. Miller was appointed Program Director, Bio Refinery and Business Development, responsible for a \$19MM DOE matching funds project leading a consortium of partners in developing a novel Integrated Corn Bio Refinery concept, while seeking DuPont opportunities for business growth based on the output from this refinery.

Chairs Chat

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speakers, including DVS-AIChE members Doug Kriebel, Steve Smith and myself, spoke for 10-15 minutes apiece, once again highlighting steps of our professional career paths.

DVS-AIChE is very proud to have participated in the Student Nights and looks forward to offering the diverse chemical engineering experiences of its members to students in the future. Understanding the importance of supporting chemical engineering students, I ask all of you to strongly consider attending the Student Awards Banquet at Widener on April 6, 2004.

Professional Development by Mark DeLuca

The job hunt status for the section is a follows:

There were 31 people on the job list. I purged it to 18 because I have not heard from other 13 people in a while and they do not respond to my emails requesting an update on their job status. The remaining members are looking for leads.

DIRECTIONS TO WIDENER UNIVERSITY

FROM PHILADELPHIA: Follow Interstate 95 South and take Exit 6 for Routes 320 and 352. Turn right at the top of the ramp. Follow left-hand curve on to 13th Street. Go one block and turn right on to Walnut Street. Go one block and turn right on to 14th Street. Proceed just over one block on 14th Street. University Center is on the right; the entrance to the parking lot is on the left between two stone pillars – proceed on semicircular driveway and turn left at guard booth.

FROM THE WESTERN SUBURBS: Follow Interstate 476 South to I-95 South toward Chester. Stay in the right-hand lane on I-95. Take the next exit (Exit 6) for Routes 320 and 352. Then proceed as from Philadelphia.

FROM WILMINGTON: Follow Interstate 95 North and take Exit 6 for Routes 320 and 352. At first traffic light turn left over bridge. Bear right at fork on other side of bridge. Go to second traffic light and turn right on to 15th Street. Go one block and turn right on to Walnut Street. Go one block and turn left on to 14th Street. Then proceed as from Philadelphia.

FROM SOUTH JERSEY: Proceed on Route 322 West across Commodore Barry Bridge. Coming off the bridge, follow signs for Interstate 95 North and Philadelphia (*not* Chester). Get off I-95 at Exit 6 for Routes 320 and 352. Then proceed as from Wilmington.

ANNUAL DVS STUDENT AWARDS BANQUET

The DVS is proud to once again honor those students selected as Students of the Year and the Zeisburg award winners. While the area schools, Drexel, UPenn, Rowan, Villanova and Widener, all have terrific students, some students have gone above and beyond the call of duty in their chemical engineering studies.

The Zeisburg award was established by a grant to honor student projects. Submitted by each school, the Zeisburg award winners had their projects reviewed by two judges. This year, the two judges are Scott Smith and Fred Flor. The winning students will get a cash award while the winning school(s) will receive a plaque with the student winners for display at their school.

The Students of the Year are selected by their faculty advisors from the sophomore, junior and senior classes. These students have worked hard to become the best chemical engineers possible. Each student will receive a certificate acknowledging his or her achievements.

It is our pleasure to honor those students at our annual awards banquet, which is being held this year at Widener University. The dinner menu is a complete, sit-down dinner including soup and salad while featuring chicken miscotti as the main dish. All student winners, fellow students, family and faculty are invited to attend.

Seeking employment

Eric Swanberg is a 2001 graduate of the South Dakota School of Mines and Technology with a major in chemical engineering.

He has over a year of experience in biochemical research and is looking for a position in the pharmaceutical industry.

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Future DVS AIChE Meeting - May Plant Tour

The Air Products Chemical Manufacturing Facility in Paulsboro, NJ will be hosting a plant tour for AIChE DVS members on May 18th at 4:30pm. This world-class facility is located on a 10-acre site and employs 65 people.

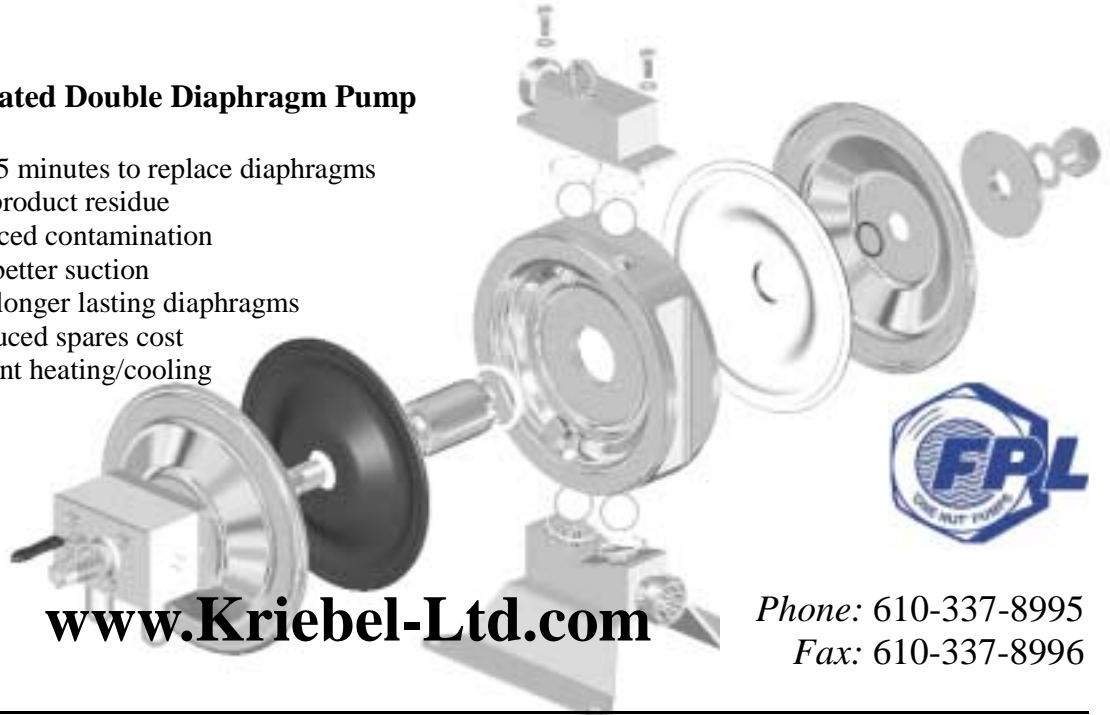
The plant manufactures components for the polyurethane industry including prepolymers and catalysts. We expect the plant tour to be concluded within 1 hour. We will convene after the tour at a local eatery for a "meet and eat" session. If interested in the tour, please contact Steven Wood at Merrill Lynch (609) 243-7908 or steven_wood@ml.com. Appropriate dress requirements will be communicated to participants upon RSVP.

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