

1
sp

HAPPENINGS IN THE COLLEGE OF ENGINEERING & TECHNOLOGY

Volume 1 - No. 3

December 9, 1996

YSU College of Engineering & Technology Places First Traditional Co-op Student by Gerri Sullivan - The William Rayen College of Engineering and Technology has placed its first official cooperative education student. Effective January 6, 1997, Mechanical Engineering major David Nation begins a co-op at the Taylor Winfield Corporation in Brookfield, OH. David will begin his initial training in mid-December. At the beginning of Spring Quarter, David will return to school full-time and Mechanical Engineering major Justin Fain will take his place. Taylor-Winfield was on campus again on November 25, interviewing Electrical Engineering students. Since the announcement of an alternating co-op program for engineering students, RMI Titanium in Niles, OH has requested information on the program. The Swagelok Company of Solon, OH has also interviewed engineering students for alternating co-op. Dr. Jack Bakos, Chair of Civil & Environmental Engineering, has provided the Professional Practice Office with the names of possible co-op employers of students in his department.

The deadline is drawing near for engineering students who want to spend the summer working for **American Electric Power**. Tom Winenger of AEP has requested that all application packets be in his possession by **December 15, 1997**. Students will work at AEP's Amos Power Plant near St. Albans, West Virginia. Wages will be \$2,345 per month. AEP will provide housing for students who cannot commute. AEP is looking for ME, EE, ChE and CE students between their junior and senior year, who have completed 70% of the credits for graduation and have a 2.8+ G.P.A. Engineering student Ray Sprungle spent last summer working for American Electric Power. YSU would like to send a student there this summer too! For information on the application packet, stop by the Professional Practice Office, WCBA Room 408.

Let's hear from you! Students may reach Professional Practice by calling (330) 742-1405 to set an appointment or via e-mail at gerri.sullivan@ysu.edu.

Peggy Panagopoulos--Senior, Chemical Engineering - Peggy learned of Career Services during her first year at YSU in an Intro. to Engineering class. She then registered with Career Services during the fall of her junior year. Through job postings and internship placements, Peggy landed three interviews. She credits the Career Information Center with providing her with necessary company information utilized during the interviews. Three interviews translated into three job offers. Peggy accepted a co-op position with the Wheeling-Pittsburgh Steel coke plant in the by-products division. Peggy believes that the experience was invaluable. She says she was offered a "once in a lifetime chance to observe the assembly of an H₂S scrubber."

Her diligence and corporate involvement were further rewarded with an offer for a full-time position. Unfortunately, the company is on strike. Peggy continues to work with Career Services and encourages all sophomores to register because "you don't realize all of the opportunities that are out there."

ABET Board Approves Engineering Criteria 2000 - Saturday, November 2, 1996, Annual Board of Directors Meeting, San Diego, California...the Board of Directors of the Accreditation Board of Engineering and Technology, Inc. (ABET) approved ABET's **Engineering Criteria 2000** for phased implementation beginning with evaluations in the fall of 1998. 1995-96 ABET President Winfred M. Phillips, who presided over the November 2 Board meeting, said "In the early passage of **Engineering Criteria 2000**, the ABET Board has shown outstanding foresight and has ensured that engineering education will enter the 21st century with a sound plan for the future."

Engineering Criteria 2000, a simplified, flexible set of outcomes-based criteria that support curriculum innovation and continuous program improvement, "represents the first major change in engineering criteria in over four decades" noted Dr. Phillips. He added "The industrial sector has been extremely supportive of **Engineering Criteria 2000** and has anxiously awaited this reform." President Phillips reflected that "many of the ABET accredited engineering programs, the ABET Board, the Engineering Accreditation Commission (EAC), the ABET Industry Advisory Council (IAC), the Accreditation Process Review Committee (APRC), and the ABET staff have worked together since the late 1980's to bring about the accreditation reform that **Engineering Criteria 2000** represents.

Dr. Pansino Visits University of Akron - The thrust of the trip was threefold:

1. Tour the Biomedical Engineering laboratories and explore joint ventures with Akron and Youngstown State Universities, Chemical and Electrical Engineering Departments.
2. Visit with the Head of the Department of Electrical Engineering to learn about their program, electives, and opportunities to work together.
3. Meet with the Co-op Director an/or staff and learn about their approach, success, and difficulties. See if there is any opportunities for cooperative efforts.

Before leaving, I met with three of the electrical engineering graduate students and discussed programs, courses, and their thesis work. One of them gave me a tour of the campus and escorted me to the Electrical Engineering Department. Dr. Neil Ida, Department Head, complimented me on our program. He was very impressed with our graduates and their performance in his PhD program. His charge was the Graduate Program, but he did indicate having our students take senior electives from the University of Akron would be well received and that distance learning could be explored for both senior electives and graduate courses. Joint thesis and research was also discussed.

NASA Outreach Conference at YSU - On November 14, 1996 from 8:00 a.m. to 4:00 p.m Congressman James A. Traficant, Jr., the National Aeronautics and Space Administration (NASA) along with YSU hosted a NASA Outreach Conference at Youngstown State University's Kilcawley Center Chestnut Room. It consisted of federal agency representatives who were eager to inform businesses of the opportunities available to them when competing for federal government contracts. Local representatives of federal agencies, including NASA and the Small Business Administration (SBA), held meetings and discussions on how businesses can learn to bid for federal contracts and do business with the federal government. There were also an assortment of booths staffed with agency representatives that enabled business participants to have the ability to meet one-on-one with the agency representatives and learn first-hand about individual agency needs. Group meetings focused on business strategies and requirements.