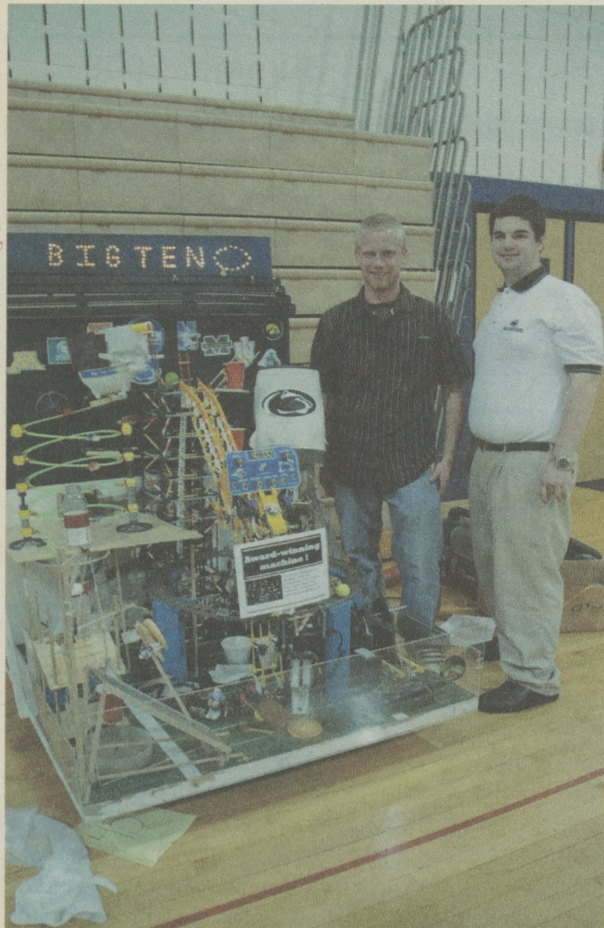


Eye On Campus

PSU Brandywine Engineering Club Goes For the Gold

By Brittany Neimeth
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Doug May and Matt Liskowycz stand proudly next to their Rube Goldberg Machine
Photo courtesy of Brittany Neimeth

How do you design a complicated machine to perform a simple task such as making a hamburger? Penn State Brandywine's Engineering Club knows how!

College campuses from various locations were invited to attend the Rube Goldberg competition on April 5th, but the Brandywine Engineering club represented the only satellite campus. They competed against four University Park teams and took first place for their Rube Goldberg Machine at Purdue University.

A Rube Goldberg Machine is a complicated device capable of completing a simple task, for example constructing a hamburger, by the triggering of different devices. The design of the machine used parallel processes, meaning several steps of the process functioning at the same time. This created the largest challenge for

the Engineering club.

The team worked three days a week from two to six hours a day for more than two months. All the hard work paid off when their machine went through the trials successfully and consistently. It was able to accomplish a complete run without human intervention and was the only machine able to reach that goal.

The stipulations behind the competition were a machine that created a hamburger using no less than one precooked meat patty, two vegetables, and two condiments between two bun halves. Dr. Esparragoza, the coach of the Brandywine team, would like to thank all the club members and looks forward to competing again next year with, hopefully, similar results.

For questions about joining and participating in next year's competition, visit the Engineering Club's site at <http://www.engr.de.psu.edu/EngrClub/>.



Doug May explains a part of the Rube Goldberg Machine
Photo courtesy of Brittany Neimeth

Exposition of Undergraduate REsearch and Creative Accomplishment

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A machine that makes hamburgers seems like something that one could only find in movies like Honey, I shrunk the kid but that is not so.

On April 17th, during EURECA, Penn State Brandywine's Engineering Club displayed their very own Rube Goldberg machine capable of making hamburgers by a series of toy activated reactions.

Exposition of Undergraduate Research and Creative Accomplishment (EURECA) was established in 2003 by the faculty. It was started as a way to engage the students in research that spans many different fields such as laboratory sciences, engineering, and education. EURECA was held in the gym of the commons building prior to honors convocation at our Brandywine campus.

The presentations ranged from independent to club or class-oriented undertakings, which were all on display next to their creators.

The projects were diverse with everything from the Rube Goldberg machine to a project on marketing abstinence by Sarah Lane, a junior in corporate communications, and even an electronic-African fusion song created by Dan Spanier for Dr. Greene's Jazz music class.

"I wanted to take 2008 jazz back to Africa and I started evolving it for fun," Dan said.

EURECA is meant to be a learning experience for students to present their research in a public forum similar to the business meetings of the corporate world.

Corporate communications student, Teron Meyers, who had two projects shown at EURECA said, "It was a means of showcasing research that I've done on campus. It's a great resume builder and it makes the campus look good because it shows that we're actually using

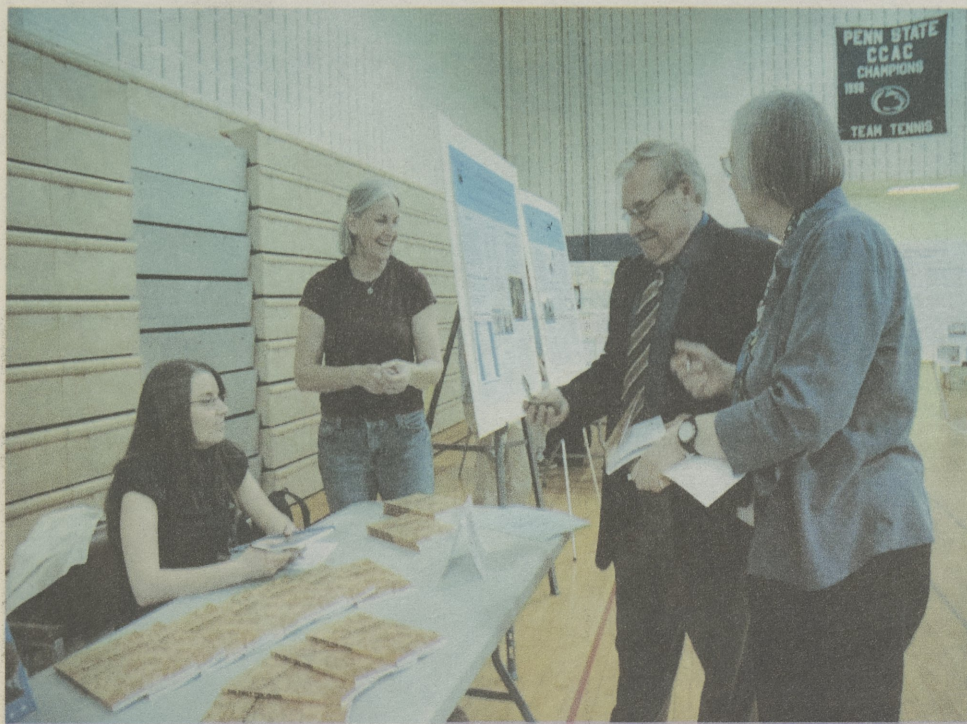
the campuses resources."

He went on to say that through school a group of students went to a conference at St. Josephs University and through opportunities like this and EURECA, he feels more prepared for the business world after his education.

EURECA was an added touch to honors convocation, since many of the students displaying research were also being honored.

EURECA was open to the general public, therefore, parents, students, and faculty alike were able to enjoy the projects and speak to the students about their research.

"The projects were really nice and it helped to shed light on what has been accomplished this school year," said Niambi McDonald, a sophomore of communications.



Dr. Biscontini and Dr. Cole speak to a student about her project
Photo courtesy of Brittany Neimeth

Katharine Katubi speaks to Laura Salvato about her display
Photo courtesy of Brittany Neimeth

