



THE REACTOR

OSU CHEMICAL, BIOLOGICAL, AND ENVIRONMENTAL ENGINEERING STUDENT ORGANIZATION

Relay for Life "Run-Off" Results are In.. And the π goes T00!

The results are in from the big CBEE Relay for Life "run-off".

But first, a word of acknowledgment to TORRI RINKER for getting the CBEE Student Club and faculty involved with the Relay for Life and raising money for cancer research. We couldn't have done it without her! Hip, hip hooray for Torri.

RESULTS

*Note: 1 person lap (PL) around the MU Quad = 0.31 miles (measured using GPS by Dr. Levien) Date and Time of OSU Relay for Life: 6pm Friday 5/16 to 7:30am Saturday 5/17 (13 1/2 hrs)
 Young CBEEs = 457 PL (141.7mi)
 Anciet CBEEs = 431 PL (133.6mi)
 Total CBEE = 888 PL (275.3 miles)

The Young CBEE TORTOISE strategy was to have 3-5 people WALKING the entire night, with a few HARES running wild (Russell and Ryan).

The Ancient CBEE HARE strategy was to have individual folks assigned to 1 hr blocks and RUN the entire



time, with some TORTOISES walking around.

In the end, the TORTOISE strategy won out..... So Skip got pied along with Christine Kelly, Joe McGuire, Michelle Bothwell, Phil Harding and Adam Higgins.



TEAM ROSTER -- Young CBEEs
 Torri Rinker (Team Captain), Caslin Gilroy (Co-Captain)
 China Lim, Greg Newbloom, Jeff Hart, Maddie Midgett, Michelle Adlong, Warren Grey, Amy Hammer-vold, Cody Richfield, Allison Young, Ryan Stillwell (82 laps = 25.4 miles), Russell Vaniea (101 laps = 31.3 miles!!!!)

Team Roster - ANCIENT CBEEs
 Skip Rochefort (Team Captain, 47 laps) Christine Kelly (co-captain) Curtis Lajoie, Maddie, Colette, Nolan (Team Kelly)
 Phil Harding and Hannah Harding, Michelle Bothwell, Allison Frye, Debbie Gale, Brian Wood, Goran and Maya Jovanovic (20 laps together), James Parker (15 laps), Bill Brooks, Kelsey Yeh and Mary Hamlin (running buddies) Joe McGuire (>20 laps), Nick Auyeaung (27 laps), Keith Levien (32 laps).

CONGRATULATIONS to all that participated and contributed donations. It was a wonderful and inspiring event for a very good cause!

Special Points:

- ξ Congratulations to the CBEE Chemical Reaction Powered Car Regional Conference Winners
- ξ Relay for Life "Run-Off" Results
- ξ Recap from 2007 AIChE National Conference
- ξ CBEE 2007-2008 T-shirts still available
- ξ CBEE End of the Year BBQ information
- ξ Welcome to the 2008-2009 CBEE Officers

Recap of AIChE Nationals 2007 Salt Lake City

About 35 students from the Chemical, Biological, and Environmental Engineering (CBEE) Club traveled via van to Salt Lake City to attend the American Institute of Chemical Engineering National Student Conference in November of last year. At this event, student chapters from across the nation and even across the globe came together to network, share ideas, and learn about new research in the chemical, biological, and environmental engineering fields. The meeting included many different events, ranging from a paper presentation to an engineering bash.

Over the course of the year, students compete in paper competitions on the regional level for a chance to present their re-

search at nationals. This year, the talks given by students ranged from Nano-particle toughening to Hydrogen storage to detecting Influenza viral RNA. Watching these presentations not only enabled us to learn about cutting edge research being conducted by students across the nation, but also allowed us to observe how the paper competition works, as many OSU students choose to participate at the regional level. Hearing from students at our level and our age made research seem tangible and helped us understand what undergraduates are capable of. The presentations provided plenty of inspiration for us to go out and do our own research.

Many bioengineers attend the national conference, and this

year six members of our Society of Bioengineers were invited to meet with national SBE representatives. The meeting was organized by Jean-Francois Hamel, SBE Director of Student Affairs, and June Wispelwey, SBE Executive Director. We discussed the positive aspects of our society and the changes we can make, as well as the upcoming 2nd National SBE Conference.

One of our SBE club's greatest strengths is our involvement with and recruitment of the freshman BioEs. Jean-Francois and June recommended that we focus on making connections with alumni. By finding out what former BioE undergrads are doing now, we can get ideas for career opportunities

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and future paths for our current undergrads. Jean-Francois and June also encouraged us to continue our K-12 outreach and get more members to participate. The 2nd Annual SBE National Conference is tentatively scheduled for Spring 2008 in Boston, Massachusetts. The SBE directors value our participation in SBE and would like some of us to attend the conference. We discussed some ideas for the conference, one being to involve the biotechnology industry, as many bioengineers pursue careers in biotechnology.



The Bash was a social event that allowed students to mingle in a less professional setting. Being held on Saturday night, it was really the event to attend. It had the best catered food of the whole weekend, a DJ spinning dance tunes, and tons of other fun activities, including rock climbing, boxing, a Velcro wall, table tennis, and air hockey. While events like this tend not to be fun, the conference Bash was different: going with new friends from OSU was a blast!

Many seniors attended the conference for a chance to attend the grad school fair. Schools from across the country were present to represent their graduate programs. These programs ranged from chemical process engineering to bioengineering. School representatives were great resources for us, as they provided substantial amounts of information on the school as well as answered our questions. Face to face interaction is vital for making connections and getting questions answered quickly. The grad fair was beneficial for all who attended the national conference.

At the conference, there was an opportunity to visit the Olympic Stadium. Transportation was provided and we took buses with other students from the conference. It was a great way to get to know and chat with other engineers from all around the country and yet another chance to network with people from around the US. Touring the Olympic Stadium was an opportunity that few people have and getting the chance to see where Olympians competed was incredible.

Student chapter workshops allow student chapters to share ideas regarding planning activities, raising funds, and increasing student involvement. Some of the various student chapter workshops included encouraging the involvement of freshman, planning fun trips to tour various companies, and getting bigger events such as Relay for Life and tailgaters sponsored. The workshops are given by students, so they are usually pretty upbeat and interesting. It is really interesting to see what other schools around the country are doing. It's surprising to see how many different things student chapters around the U.S. are doing to get students involved with their department. For

those wanting to get involved in leading the CBEE club in the future, it is a great opportunity to get ideas for future club events.

Although we spent a good amount of time at the conference, we also had enough free time to explore the city itself and its culture. Many had never been to Salt Lake City before, and first impressions were those of a clean, pleasant, but very quiet downtown. There were almost no pedestrians giving life to the streets, which seemed odd compared to the bustling sidewalks of Portland. Our hotel was several blocks from the conference center but close enough to walk or take a short tram ride, which was sometimes an adventure in itself. A few blocks away was an upscale outdoor shopping mall, like a larger version of Bridgeport Village in Tualatin. Some of us actually shopped there, while others just stopped to eat. Salt Lake City had no shortage of delicious, unique restaurants. One such restaurant, in which all the food was fresh and organic, didn't have set menu prices; instead, customers paid by donation whatever amount they could afford.



Utah is well-known for its majority religion, Mormonism, and this influence was obvious in Salt Lake City. The city is home to "Temple Square," which is a bit like the Vatican City of Mormonism. The towering white steeples of its famous temple were visible from several blocks away. Some of us had a chance to tour the gigantic

LDS conference center—the best part of which was the amazing roof, complete with pine trees, grassy fields, and even a waterfall! From the roof we had an excellent view of the entire city below, from the quiet, tree-lined downtown to the factory smokestacks in the distance. On Sunday morning, many of us went to hear the Mormon Tabernacle Choir, which is famous for its Christmas concerts in the conference center. We were surprised to learn that the choir's performance was being broadcast on national television. Overall, when we weren't at the conference, we had a great time exploring Salt Lake City and its culture!

At the awards banquet, everybody sat down in a huge ballroom room and breakfast was served. The feast included bacon, eggs, sausage, hash browns, muffins, fruit, and much more! While everybody was eating, awards were given. Scholarships, individual achievements, chapter achievements, and competition awards, including the Chem-E car reaction competition, were among the



awards given out. Our chapter received an award for Outstanding Student Chapter. When our name was called all of us stood up and started clapping. To finish off our cheering, we did one round of O...S...U. We were by far the loudest chapter in the building.

The car ride is one part of the trip that tends to be over-looked. Everyone is excited about seeing a new city, the conference bash, or the seminars. However, we spent roughly 28 hours in the car when we went to Salt Lake City, which is no little chunk of time. The car ride is the time where friendships and memories are made. Most people spend the time doing homework, listening to music, looking at the scenery, and playing road games. However, if you were to ask anyone who went to Salt Lake City about the car



ride, you would get funny stories about being lost in crazy towns, trying to maneuver through new cities and attempting to find a decent place to eat. The car ride is definitely a great part of the AIChE Conference Experience.

Overall, students benefit in many different ways by attending the AIChE conferences. They receive guidance in their careers, future education, research opportunities and goals. Students have opportunities to network with students from their own school, students from schools across the nation, professors, and professionals in their field. Club members even gain a little bit of cultural experience through exploring new cities. Most importantly, by attending the National Conference, CBEE Club from OSU was able to accept our Outstanding Chapter Award and show the enthusiasm and dedication we have for our education.

Congratulations to the 2008-2009 CBEE Officers

ChE
President Greg Newbloom
VP Anna Putnam
Sr Rep Kari Varin
Jr Rep Paul Dornath
So Rep Sara Varin, Bader Aboalsaud

BioE
President Torri Rinker
VP Caslin Gilroy
Sr Rep Jason Munion
Jr Rep Maddie Midgett, Rachel Bywater
So Rep Tara Binn, Troy Love

EnvE
President Michelle Adlong
VP Jeff Hart
Sr Rep Alisha Tuladhar
Jr Rep Katie Bruce
So Rep Nurbika Baizakova

ALL
Secretary Megan Heinze
Secretary (in-training) Ian Gluck

Treasurer China Lim
Treasurer (in training) Julie Auxier

Business Manager Ryan Stillwell
Business Manager (in-training) Marsha Lampi,
Sara Varin, Mikkel Leslie

Social Chair Maddie Midgett
Social Chair (in-training) Jordan Hunt, Mikkel Leslie

Fundraising Director Rachel Bywater
Fundraising Director (in-training) Trish Frazier

Tutor Coordinator Tori Johnson
Tutor Coordinator (in-training) Kate Brouillard

Newsletter co-Editors Staci Van Norman, Jenna Wilson
Newsletter Editor (in-training) Kate Brouillard

Website Monitor Robert Elder
Website Monitor (in-training) Morgan Von Poppenheim

Publicity Director Linzy Rucker
Publicity Director (in-training) Marsha Lampi

K-12 Outreach Co-Cordinators Linzy Rucker,
Paul Dornath, Katie Bruce, Bader Aboalsaud



Highlights From 2008 AIChE Regional Conference

Letter from Skip Rochefort (CBEE
Chemical Engineering Faculty Advisor)

Folks,
I am happy to report that this evening the OSU CBEE Student Chapter took home some big prizes in the Regional Paper and Car Competitions.

ChemE Car Competition



The CBEE ChemE Car Team WON the competition and placed 2nd in the Poster Competition...and the honor of representing the Pacific Northwest Region in the

National Competition in Philadelphia next November for AIChE's 100th Anniversary Celebration.

TEAM BEAVER EVOLUTION

Paul Dornath (So ChE)
Nikole Wilkins (So ME)
Ian Braly (Fr ChE)
Matt Yoder (Fr ChE)

OSU won CLOSEST and MOST CONSISTENT car....and this was their first year competing! The Idaho Team has been to Nationals four years....and we beat them!

BEAVER EVOLUTION is a H2 powered fuel cell car that uses the iodine clock reaction as a stopping mechanism. Their car, poster and awards (they also won \$200) will be on display in the lobby next week. Stop by and see the champion!



Regional Paper Competition
Greg Newbloom (Jr ChE 2nd Place \$100)
"Crosslinked Oriented Nanocomposit Extrusion"

-Greg gave a great talk and was close to winning it all.



Staci Van Norman (Jr ChE 5th Place)
"Repair of Damaged or Defective Polyethylene Gas Pipes"

- Staci also made a nice presentation and represented OSU very well.



Please join me in CONGRATULATING these students for representing OSU so well!

Also, with 20 OSU CBEE students attending the conference, we were almost half of the total attendance. Once again, our students are making a name for OSU CBEE...and we were all wearing our new CBEE T-Shirts...so get yours soon!

2009 Regional Conference

Be looking forward to information in Spring 2009 when the OSU CBEE Student Organization will be hosting the AIChE Pacific Northwest Region Conference.

Get A Piece of Gleeson Before Their Gone

Remember your treasured (or horrific) time that you have spent in Gleeson Hall with the 2007-2008 CBEE T-shirt. Designed by Warren Gray the shirt features the main entrance of Gleeson Hall in all its glory. How ever you feel about Gleeson Hall right now you will want this T-shirt later in life to remember that you made it out! Hurry and get yours now as the supply is limited and when their gone their gone for good.

The last shirt sale will be held during the CBEE Department Graduation, or email Michelle Adlong at adongm@onid.orst.edu to find out if your size is still available.



- CBEE 2009 Department Graduation -

SAVE THE DATE

CBEE GRADUATION CELEBRATION
will be held here at Gleeson Hall
on Sunday, June 15, 2008 from 8:00 to
12:00. We have our
celebration and award ceremonies in the
morning leaving ample time for
you and your family to also attend the OSU
ceremonies.

Food will be served.
All Senior projects will be displayed.

Highlights of Happenings:

CBEE EVENTS CALENDAR

What to know what is going on later in the term? Just check the Events Calendar located in the Gleeson Lobby on the stairs

CBEE END OF THE YEAR BBQ

Come and join the merriment at the Annual CBEE BBQ! There will be food, friends, and fun, so come enjoy a nice break from the stress of Dead Week.

CBEE Barbeque

**Check Information Board for Day
Time and Place Later in the Term**

CBEE INFO BOARD

Want to know what is happening with the CBEE Student Organization every week? Just check the events board located in the Gleeson Lobby.

