

Acceleration

James Worth Bagley College of Engineering Student Newsletter

College of Engineering Homecoming Float

This ESC activity is a combined effort with all engineering departments and organizations throughout the university to promote the College of Engineering. At Mississippi State, the ESC oversees the design and construction of the official CoE Float for Homecoming. The Homecoming Parade was reinstated in 2000 as an official activity after a 20 year absence. In 2000, the CoE Float won second place and received an autographed football from the entire team. The prize was raffled with half of the proceeds going to the United Way. In 2001, the CoE Float took the grand prize as the first place winner. The 2002 CoE Float won FIRST place in spirit, another astounding success.

Pictured to the right is the 2003 College of Engineering homecoming float. This year's homecoming theme was "125 Years...Let the Good Times Roll." The College built a large old-fashioned accordion camera with black-and-white film that had "125 years" of pic-



tures. Float riders were dressed in different decades to represent 125 years.

This year the ESC invited all of the student organizations to help build the float. Students representing IIE, ASME, AIAA, AICHE, and IBE. Many thanks to the students that helped with the 2003 College of Engineering Homecoming Float!

Special points of interest:

- ? TAPPI is participating in a paper snowboard competition
- ? MSU hosts the largest student section of IBE (70 members)
- ? ASME elected new officers for the Spring 2003 semester
- ? AIAA hosted a remote-controlled airshow

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New Student Convocation

This event educates new engineering students, both freshman and transfers, about the opportunities in the Bagley College of Engineering. In the auditorium, students listen to such speakers as Dean Bennett and representatives from Cooperative Education, Career Services, Entrepreneurship Program, and Study Abroad. Then the students divide by major into classrooms where they attend an info session from their departmental student organization (ex: IEEE, ASME). Lastly, the students visit non-departmental organization booths, such as the Engineering Student

Council, Society of Women Engineers, etc. Pizza and drinks are served afterwards!!!



AICHE has received the Most Outstanding Student Chapter award for 3 years running!

AICHE News— Laura Beth Dong, President

Twenty undergraduates from the Mississippi State University Chapter of the American Institute of Chemical Engineers (AIChE) attended the Annual Fall AIChE Conference held in San Francisco, California, from November 15 to 17. The group returned home with several awards. The MSU chapter of AIChE received a third consecutive Outstanding Student Chapter Award. This award recognizes the work of the 2002-2003 President **Levell Hairston** and **Dr. I. Atly Jefcoat**, Faculty Advisor. Dr. Jefcoat also was named the 2002-2003 Outstanding Student Chapter Advisor.

John Reed received a Donald F. and Mildred Topp Othmer National Scholarship Award; this scholarship is one of fifteen given each year to students based on their academic excel-

lence as well as their involvement in chapter activities. **Renita Horton** was the recipient of the Donald F. Othmer Sophomore Academic Excellence Award, which recognizes the student in each student chapter with the highest GPA during his or her freshman and sophomore years.

Fourteen students participated in the Undergraduate Student Poster Competition, and the group returned with seven awards. **Kathleen O'Donoghue** received 1st Place in the Environmental Division and a 3rd Place in the Green Engineering Competition. Also placing first in their research divisions were **Michael Bestor** and **Brad Hensarling**. Second place awards went to **Ernest Rufus**, **Kenyatta Veals**, and **Krystal Gage** and a third place ribbon went to **Levell Hairston**.

OCE News— Shannon Campbell, President

OCE, the chemical engineering honorary, started its third year at Mississippi State this Fall. Our chapter concentrated on three community service projects this semester.

- 1) We tutored the sophomore ChE Mass and Energy Balance (M&EB) class twice a week and intermittently taught the M&EB class and lab while the professor was out.
- 2) We helped sixth graders at Henderson Elementary prepare for MathCounts competition in the Spring.

3) We helped seventh graders at Starkville Elementary develop their Science Fair project ideas.

We also inducted 12 new members this Fall. This was the first semester that the honorary inducted graduate students. The Induction took place at Harvey's, and Tom Austin of the Dow Chemical Company was our keynote speaker.

Next semester, we plan to continue the current community service projects and to possibly add one more project.



IBE News— David Macias, President

IBE has been busy this semester. We started the semester with our annual fall picnic and membership drive, which was the largest ever with over 40 people attending. The Mississippi State chapter of IBE is the largest student chapter in the nation with around 70 members. IBE board members have dedicated their time to being available to IBE members this semester in the new IBE office. IBE helped serve the community on Saturday, October 25th by helping with a Habitat for Humanity project here in Starkville. IBE member

Holly Ray was elected freshman maid in this year's homecoming. On November 5th, IBE members went to Jackson to tour the graduate physiology department at UMMC. About ten MSU IBE members are preparing to represent our school at the IBE National Conference, January 9-11, 2004. The conference will be held in Fayetteville, Arkansas.

TAPPI News— Becky Smith, President

For those of you who don't know what TAPPI is or what it stands for, it is the Technical Association of the Pulp and Paper Industry. This organization is the leading technical association devoted to the worldwide pulp, paper, and converting industry. The association brings together experienced people in the industry, maintains a comprehensive collection of technical information and knowledge, and provides high quality products and services to assist with problem solving. The pulp and paper industry is very important to both our state and to our region. It is a part of the forest products industry, which is the largest industry in our state. This facet of industry employs many chemical engineers every year.

I am pleased to announce that this year the TAPPI chapter is back at MSU. As some of you may know, our chapter was inactive for the past few years. This year we currently have 40 members (more are still welcome to join). Although this organization is generally composed of mostly chemical engineering majors, it is open to anyone in an engineering or science major. So if you're a mechanical engineering, industrial engineering, electrical engineering, forestry, etc. major with an interest in the pulp and paper industry, this organization is for you!

Ten of our members attended the Regional TAPPI conference in Pensacola, FL back in October. While there, our chapter was awarded a \$500 scholarship and met representatives from many different companies that deal with the pulp and paper industry. While in Pensacola, we also found out that

the proposal we submitted was one of ten chosen to receive a \$2000 for start-up of our all paper snowboard project. This project is already starting up and our chapter will compete with our snowboard design out in Colorado in early April. In the past, we have been successful in these competitions and hope to continue the tradition this year. Below are two pictures from the last time that our organization participated in this event. That year, the competition was based on the best design of an all paper water ski. Shown to the right are two pictures: one of the earlier stages of the design process and the other one was taken during the competition.

Along with all of these activities, we have several plant trips being planned for both the fall and spring semesters. We also have t-shirts in the making with the theme of "making the essentials" which will be on sale during the spring semester.

I want to thank everyone who has been helpful in reactivating the MSU chapter. I'd also like to invite anyone who has not yet joined to join. If you have any questions, please feel free to contact any of the following people.

Becky Smith, President
 ras14@mstate.edu
 Jenny Mask, Vice-President
 jlm154@msstate.edu
 Mason Faggert, Secretary
 mwf10@msstate.edu
 David Layton, Treasurer
 dal9@msstate.edu
 Dr. Cliff George, Faculty Sponsor
 George@che.msstate.edu



*MSU's student
 section of TAPPI
 is back in full
 swing!*



AMSE News– Justin Crapps, Chair

The American Society of Mechanical Engineers has been quite busy over the fall semester. Below is a list of activities we have participated in by month:

September:

Eaton Habitat day – travel to Jackson, MS to work on Habitat for Humanity house with Eaton engineers.

Regional Student Leadership Seminar (RSLs) – travel to Atlanta, GA to attend leadership seminar with ASME student sections across the southeast as well as ASME Southern Regional Office Board Members.

Joint tour with American Foundry Society to Plymouth Tube in Eupora, MS

October:

Received donation of Professional Series Stainless Steel Grill from Viking Range Corporation in Greenwood, MS

Recruiting for Mechanical Engineering Department on Discovery day and Scholars Recognition Day

ASME Freshman Design Competition – design competition for freshman students. Held in Intro to ME class, designed catapult to fire ping pong ball

Joint Tour with American Foundry Society to Taylor Machine Works in Louisville, MS

Tour to United Chair in Bruce, MS

Tour to MSU Engineering Research Center

November:

Officer Elections for Spring Semester

Mechanical Engineering Student Faculty Softball Game

ASME Senior Luncheon – to encourage graduating Seniors to upgrade to senior ASME membership

Trip to Jackson, MS to tour Eaton Aerospace and Diversified Technology



In other news and information, The spring 2004 Officers have been elected and Fall 2003 Officers will finish their term at the end of exams. The fall 2003 Officers have done a fantastic job in movement towards achieving the student section of winning the Ingersoll Rand Regional Competition, which is for the Southeast United States.

Position

Chair
Vice Chair
Secretary
Treasurer
Social Activities
Publicity
Ingersoll-Rand
Newsletter Editor
Web Page Editor
Freshman Representative
RSC Committee Chair
ESC Representative

Fall 2003

Justin Crapps
Paula Jean Runge
Matthew Tucker
Andrew Buie
Addison Maudlin
Anna Schenkewitz
Kyle Thompson
Dustin Sartin
R.C. Fron
Jennifer Inghram
John Gibson
Walter McDuffie

Spring 2004

Justin Crapps
Matthew Tucker
Jeremy Mowry
Shad Hanes
Matthew Jones
Jennifer Inghram
John Gibson
Dustin Sartin
R. C. Fron
Jennifer Inghran
John Gibson
TBA

AIAA News—Angela Spence, President

AIAA has had a rejuvenating start to the year with an increase in membership and several new programs.

This semester AIAA hosted the 1st Annual Sky Dawgs RC Airshow. The event was held at Bryan Field on November 15. We had over 200 spectators and 16 pilots attend the student-organized, student-run event. Local businesses sponsored portions of the event; many thanks to all of our sponsors! Due to the airshow's success, we plan to host the 2nd annual Sky Dawgs next fall.

AIAA is looking forward to our annual student conference. Conference will be held in Memphis on April 1-4, and we hope to have students presenting their research projects.

We have started having Movie Nights on Wednesdays at 8pm in Walker 303. Anyone interested in joining us is welcome to come on over.

Our Design, Build, Fly team is up and running this year. After our 8th place finish at last year's international competition, we have high hopes for this year's team.

Christopher Martin won a \$1000 scholarship through national AIAA that will fund his pilot lessons.

There are several new opportunities this semester for students to get involved in aerospace engineering in our department. We are now hosting a UAV team, led by **Calvin Walker**, and a materials society, SAMPE, headed by **Jordan Haines**. We look forward to sharing the successes of these new organizations!

Any questions about AIAA can be directed to: aiaa@ae.msstate.edu.

Theta Tau News—Claire Fellman

Theta Tau is the engineering fraternity at MSU. It is an organization which strives to enrich its members professionally through speakers, plant tours, and teamwork building, but more importantly provides a close knit group of friends. The members of Theta Tau help each other with classes, commiserate over dreadful homework assignments, and work together to make it through what can be a very stressful curriculum. In addition to classes, we socialize and throw a few parties, participate in community service, have a meal plan, and

visit other chapters across the country. For anyone looking for a chance to meet other engineers and become part of a family away from home, not to mention having a lot of fun, come check us out. Theta Tau is open to all undergrad engineering students. There will be an interest session in January right after winter break and feel free to contact me, Claire, at clf60@msstate.edu.

Acceleration is a publication of the Mississippi State University Engineering Student Council. We welcome all articles and input (please send to ams77@msstate.edu). Anyone interested in helping with the newsletter is not required to be a member of the ESC and should contact Angela Spence at ams77@msstate.edu. We look forward to keeping you informed of all activities within the Bagley College of Engineering. Have a wonderful winter break!

Available on the internet @

<http://www.msstate.edu/org/esc/activities/acceleration.html>