



MISSISSIPPI STATE UNIVERSITY  
JAMES WORTH  
**BAGLEY**  
COLLEGE OF ENGINEERING

DAVE C. SWALM  
SCHOOL OF CHEMICAL  
ENGINEERING

carbon	helium
6	2
<b>C</b>	<b>He</b>
12.011	4.0026

neon	tungsten	sulfur
10	74	16
<b>Ne</b>	<b>W</b>	<b>S</b>
20.180	183.84	32.065

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## TO STAY INFORMED:

Keep up with news in the Swalm School of Chemical Engineering by following us at [che.msstate.edu](http://che.msstate.edu) or following AIChE on Instagram @AIChE.msstate

# Engineering Bowl is Back!

By: Will Laird

It was a warm day. The birds were chirping, and the Mississippi State baseball team had a home game. However, instead of enjoying these outdoor festivities, a few dozen of the brightest engineering students decided to play trivia. This wasn't just ordinary trivia: it was buzzer-style, Jeopardy trivia with teams of 4-5 engineering students frantically trying to ring in ahead of their competitors. Engineering Bowl marked one of the most well-attended AIChE events since COVID, and AIChE aims to continue the tradition for many years to come.

Before competing, the teams partook in a spread of fruit and chicken nuggets. After fueling up, the teams were split into multiple rooms to compete in the first round. After the first round, the teams were switched around and competed in the second round. After the two rounds, the team with the highest cumulative score won. It shouldn't be surprising that so many students decided to compete because of the high prize earnings. Member of the winning team, **Boston Rose**, announced that "I thought it was a no-brainer signing up to play. Food, fun, and free money on a Saturday afternoon, I had to pinch myself afterwards to make sure I wasn't dreaming."

The teams competed in a diverse range of categories ranging from fluids to physics to

famous engineers. Additionally, half of the categories involved non-engineering-related topics. The Jeopardy board writers spent weeks leading up to the event trying to make clues that emulate the format of traditional Jeopardy but with engineering topics. The writers must have thought it was worth all the hard work and time. The contestants enjoyed just about all the clues, and according to **Ryan Shaw**, "The categories were unique and tasteful and targeted knowledge all engineers should know."

Engineering Bowl was a great event that brought together engineers of many disciplines. Anyone who is interested in trivia and fun times should compete next year. Also, a huge thanks to **Jolee Rushing**, **Will Randolph**, and Caleb Snoddy—the event couldn't have happened without you.



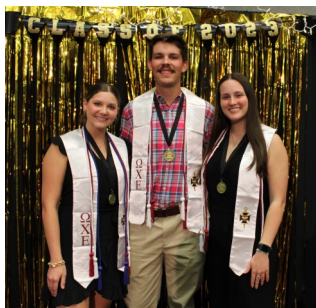
# First Annual ChemE Senior Banquet

The first annual Chemical Engineering Senior Banquet was held on Monday, April 17th at the Student Union Ballroom. The event was put on by Dr. Jessop and the AIChE Senior Banquet Committee. Each chemical engineering senior had the opportunity to bring a loved one with them to help celebrate all of their accomplishments. Professors were also present to honor students.

The night started with announcing senior superlatives that the senior class had voted on. Door prizes also were awarded. Next, each student and their involvement in AIChE or OXE were announced, and graduation regalia was handed out.

After the main program, dinner was served!

After dinner, students mingled with each other and with professors. AIChE and OXE sold merchandise to the nostalgic seniors. A photobooth allowed students to capture such a fun night with their classmates/friends.



## Let the Good Times Boil! AIChE Crawfish Boil

Many AIChE members came out on April 1st for the Annual AIChE Crawfish Boil, which took place at Little Dooey's! It was a gorgeous day to have fun mingling with our classmates and to enjoy some boiled crawfish, corn, and potatoes on the patio.





## Co-op Highlight: Dow Chemical

By: Mae Riffel

**Marian Waltman** is a junior in the chemical engineering curriculum who just completed her first co-op rotation with Dow Chemical. She worked at their Plaquemine, LA location (near Baton Rouge) in the glycol ethers department as an improvement engineer. Here, she was able to utilize the skills she was taught in the classroom, as well as learn much more on both the technical and “soft skills” fronts.



As an improvement engineer, Marian got to work hands-on in many areas of the plant. Some of her biggest projects focused on finalizing new equipment that will be installed during a future turnaround period. These projects helped sharpen her problem-solving skills, which are necessary for engineers to be successful in industry. Through lunch-and-learns with her boss, Marian was able to learn a great deal about the overall specialty chemical industry, as well as specifics of the glycol ethers industry. Dow combines this amazing leadership guidance program and relevant hands-on experience to strengthen the future engineers of our society.

Marian will be returning to Dow Chemical for another two rotations. For her next one, she will be in St. Charles, LA working in the acrylics department this summer. Dow allows their co-op students to rotate

through different departments—to not only increase their engineering knowledge, but also to explore what interests them most.

The Mississippi State Career Expo and various AIChE-hosted events were instrumental in helping Marian obtain her co-op. Being involved with on-campus organizations such as AIChE opened doors that would help her future self dramatically. Based on her experiences, Marian advises students to get involved in student organizations and to make as many connections as possible. She especially encourages younger students to do so since you are never too young to start. In closing, she notes that this has been her favorite semester of college thus far: “From work, to being in Louisiana for Mardi Gras and meeting people from around the world, I had the best time and highly recommend this experience to all students.”

## Students beautify Swalm!

Numerous students volunteered a Saturday morning in April to help clean up the Unit Ops Lab and the student lounge in Swalm Hall. Dr. Elmore treated all of the students to Slim Chickens to express his gratitude for investing their time to keep the Swalm student work spaces maintained for future generations to enjoy and to be looking fine for family tours during graduation in May!



# AIChE Regional Conference in Gainesville, FL

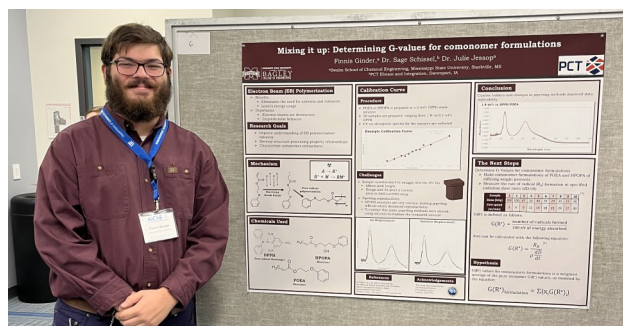
Thirteen AIChE members and Dr. Jessop attended the annual Southern Regional Student Conference in Gainesville, FL at the University of Florida from March 3-5. This is the first time our region has met in person since 2019.

The University of Florida AIChE chapter put on an amazing conference! There were multiple companies in attendance, offering insight into life after school and an abundance of company swag. Moreover, there was plenty of time during the weekend to get to know students and faculty from universities across the southern region.

**Finnis Ginder**, a junior who works in Dr. Jessop's lab, participated in the research poster competition. His research focuses on determining the yield of radical formation in electron-beam polymerization of acrylate monomers. The goal is to build an understanding of how a mixture of monomers affects the radical yield for the system, allowing for further commercial opportunities of the technology. Congratulations to Finnis for representing Mississippi State well in the poster competition!

We also competed in the ChemE Jeopardy Competition, a Jeopardy-style trivia competition. The subjects of the trivia were chemical engineering related except for one fun category. We won 2 rounds of Jeopardy, sending us to the finals. We won 3rd place out of 13 teams! This was really a great success to show that Mississippi State is an academic force to be reckoned with!

The conference concluded with a very nice dinner for all of the students and faculty in attendance. The president of AIChE, Billy Bardin, was the keynote speaker who offered very wise advice for being successful in the future.



# Congratulations to our Spring 2023 ChE Graduates!

Jar'Vis Armstrong Ω

Ayomide Ayeni

Patton Bane

Beau Barnette Ω

Matthew Bennett Ω

Alexander Black

Conner Bond

Aaron Brannan

Amir Breland Ω

Maggie Britton ★Ω

Katelyn Broome ★Ω

William Cardin Ω

James Chatmon

Morgan Clark Ω

James Coleman Ω

Zacharie Collins

Daniel Cottingham

Benjamin Dengler Ω



Ndeye Fatou Diop Ω

Keyerra Dubose Ω

Jacob Evans

Robert Gardner Ω

Reece Goff Ω

Rudane Griffiths Ω

Richard Hamilton

Hannah Hatcher Ω

Holden Honigfort ★Ω

Benjamin James Ω

Tyla Jones

Devon Kennedy Ω

Jackson Kiser

William Laird ★Ω

Dalton Lapeyrouse ★

Austin Lathem Ω

Rebecca Lilly ★Ω

Mollie Macon Ω

Zachary McCain

Christopher McCarty

Justin McDonald

Azael Meza-Soto

Christopher McCarty

Justin McDonald

Garrett Miller

Joseph Morson

Frank Mueller Ω

Alexia Nassour

Cameron Nolin

Nathaniel Piersky

Nicholas Pritchard Ω

Kyle Rains

John Ready ★

Daniel Rester Ω

Mae Riffel ★Ω

Matthew Rimmer

Ally Riser Ω

Ashley Riser ★Ω

Boston Rose★Ω

Ashlyn Ruiz ★Ω

Bruce Ruschewski ★Ω

Jolee Rushing ★Ω

Bishal Sapkota

Dylan Schaubhut ★Ω

Stephen Schruoff Ω

Ryan Shaw ★Ω

Kimberly Shiyon ★Ω

A.J. Smith

Nyah Smith

Ethan Spiers ★Ω

Benjamin Spitzer

Mason Stevens

Emily Strahan ★

Charlie Terrell ★Ω

Dakota Thorn

Parker Threet

Alayna Todd ★Ω

Mary Vance Ω

Gage Vanlandingham Ω

Gabriella Voss ★Ω

Michael Walker Ω

Aiden Walters ★Ω

Sean Williams ★Ω

Arigaa Zolboot ★Ω

★ = AY2022-2023 AIChE member

Ω = Omega Chi Epsilon member



This is my last ChE News as I will be graduating this May. I have very much enjoyed getting to reminisce at the end of each semester about all of the amazing events that AICHE has held and the numerous awards earned by the chapter and its members. I look forward to seeing what AICHE is up to in the future.

Sincerely,

Maggie Britton, AICHE Newsletter Editor