THE PROJECTS ASSIGNED, AND HOMEWORK AND TESTS GIVEN ARE ONLY TO GET YOU READY FOR THE REAL WORLD. BUT REMEMBER YOU ARE STILL HERE FOR SCHOOL SO ENJOY YOURSELF WHOLE OR LASTS. MAKE NEW FRIENDS, PLAY ORTRAMU RALS SPORTS, LOOK ONTO JOINING OTHER CLUBS ON CAM.

FROM THE EDITOR

It's a Great Day to Be A ChemE.

SO IT BEGINS YOU ARE OFF ONTO A ADVENTURE NOT MANY WILL ATTEMPT NOT MANY WILL SUCCEED THE ROAD TO EARNING A CHEMICAL ENGINEERING DEGREE WILL BE A LONG ONE. WITH MANY BUMPS AND BRUISES ALONG THE WAY. BUT IT IS A NOT TIME TO FALTER AND GIVE UP YOU MUST BE ABLE TO PERSEVERE NO MATTER WHAT THE TASK, WHETHER YOU ARE JUST STARTING SENIOR DESIGN OR FIGHTING THROUGH JUNIOR CLASSES. EVERY STEP OF THE WAY YOU WILL BE CHALLENGED AND NEED TO PERFORM YOUR BEST.

THE PROJECTS ASSIGNED, AND HOMEWORK AND TESTS GIVEN ARE ONLY TO GET YOU READY FOR THE REAL WORLD. BUT REMEMBER YOU ARE STILL HERE FOR SCHOOL SO ENJOY YOURSELF WHOLE OR LASTS. MAKE NEW FRIENDS, PLAY ORTRAMU RALS SPORTS, LOOK ONTO JOINING OTHER CLUBS ON CAM.
Recent Chemical Engineering graduate Matt Miskelly, formerly the OSU-Aiche President, is back to catch up and discuss his new role at Zeeco, a Tulsa based flare and burner designer and manufacturer.

Q & A with Matt Miskelly

**Explain your current role at Zeeco and reflect on it, the importance of it your feelings about it and how you go about working through a assigned project?**

I am a project engineer in the flare group here at Zeeco. My position entails interacting with our customers, overseeing management for the life of a project, execution of fabricating our equipment, and interacting with our other engineers here to apply the best equipment design and improve or maximize efficiency of our combustion equipment.

Reflecting on it so far, it has been a tremendous learning curve, however it is a big point of pride knowing that you are trusted with the responsibility and how to ensure that the flare systems are built correctly, up to our customer’s specifications, and sent out on time.

The typical work flow of an assigned project is the following: interact with the customer, get to know their requirements and needs, submit information and documentation/drawings, get approval, build the equipment, inspect the goods, and ship to site. This process entails a lot of discussion, cooperation, and compromise from both Zeeco and the customer to ensure their needs are met.

**What is the one core class from your schooling you say you use the most at Zeeco?**

If I have to narrow it down to a single course, the principles and concepts from fluid mechanics are used constantly here at Zeeco. In order to predict flow patterns and visualize what is or should be occurring in a burner, flare stack, or incinerator, or analyze static pressures are tools used by every engineer here, and will undoubtedly be encountered on the job as a chemical engineer.

**Explain the general atmosphere for a company like Zeeco?**

Zeeco has a very unique atmosphere. Here you literally can go to the president’s office and ask a question, or go to the director of any department and learn something new instantly. You are given a lot of responsibility when you work for Zeeco as soon as you start, but with that kind of atmosphere, it becomes apparent very quickly that everyone is willing to help you succeed. It is very rewarding to work for a company with the international footprint that it does while still maintaining the culture of a small company. I guarantee you won’t find that anywhere else!

**Can you give a favorite memory for Either ChemE professional school or AICHE?**

That is a difficult question...there are so many! I would say my favor-
**Reflecting On Some ChemE. Department Changes**

We are about halfway through another semester in the quest for our Chemical Engineering Degree and much has gone on since last year. One of the bigger changes taking place is the huge jump for Doc. Rob Whiteley from Professor in the department to Interim Head!

Many of the pre-professional school students do not know him but the current juniors and seniors have either experienced time with this great man and all that he has done and continue to do for the Chemical Engineering Department. From teaching Chemical Engineering Thermo Dynamics and senior design to running meetings and distillation columns, the man does it all. Recently relieved of his role teaching in the Chemical Engineering department, Doc. Whiteley has since moved on to bigger and better things.

His bigger projects going on right now is the distillation plant built by the BAE Annex just west of campus. Doc. Rob Whiteley and Doc. Josh Ramsey are both heavily involved in the project. The project has been picked up as full time research and hopes to achieve much knowledge from the findings they hope to discover.

I have gotten a chance to head out there and see it first hand and it is quite impressive. To actually be able to see one of these columns in person is astonishing. You learn about them and analyze them in the classroom but to actually be out in the field and having one to look at and get to touch (some parts) of is an amazing feeling. We also will be taking a much more greater depth into the plant when we have to base a project off of it in Rate Ops 1.

To have been able to have Doc. Whiteley in class for half a semester was quite the experience. Doc. Whiteley has an endless amount of knowledge to give students and works to make sure everyone that wants to learn something will in his classrooms.

Though he may not be teaching in the classrooms any more you will still see him actively involved in all sorts of areas from Chemical Engineering activities on campus to simply being a presence in the Chemical Engineering Department.

I take this time to tell you if you get the chance to talk to him try to pick his brain and ask some questions about his research. He may be in a hurry to get somewhere but will ensure you get the response you are looking for.

By,

Brandon Jaworowski
- I asked the guy sitting next to me if he had any Sodium Hypobromite. He said NaBrO
- Did you hear Oxygen and Potasium went on a date? It went OK
- I’d like to apologize for these terrible chemistry jokes, they only get updated PERIODICALLY

**Organic Chemistry Lab**

What my friends think I do.

What my mom thinks I do.

What science thinks I do.

What I actually do.

---

**A LOOK AHEAD**

Upcoming Schedule

**October:**
- 10/26 Football @ IOWA ST.
- 10/31 HALLOWEEN DAY

**November:**
- 11/1-11/4 AICHE NATIONALS

11/2 Football @ TEXAS TECH
11/9 Football VS KANSAS
11/16 Football @ TEXAS
11/23 Football VS BAYLOR
11/28 THANKSGIVING

**DECEMBER:**
PROJECTS PROJECTS AND MORE PROJECTS
12/2-12/6 DEAD WEEK
12/9-12/13 FINALS WEEK
CHRISTMAS BREAK!!!!!!

Then when the fun is over back for the spring semester.

All OSU- AICHE events will be posted on the calendar in the AICHE box on the first floor of Engineering North and on the OSU-AICHE WEBSITE.

If you got any ideas of what the next newsletter should look like or is you simply have a story input please feel free to email me at Jaworow@okstate.edu

Hope you all enjoyed this edition and hope to see you all around campus, till next time.

Brandon Jaworowski