Welcome back!

Welcome back, right when Michigan has remembered it is summer just as the semester began. Now we have summer’s last hurrah in our closed classrooms and long lectures, hidden away from the sun’s beating rays and any potentially athletic enjoyment (should that exist)!

With the rains countering our sunshine, the floods are simply foretelling the job we have ahead of us engineers. The flood of work is soon to come, so as engineers, do not be lured away by the sunshine. We must stay indoors to toil hard for the beginning of yet another semester.

So welcome back for another semester of endless work, tireless studying, and late nights. For group work and coding that always has a missing semi-colon somewhere. For that last breathe that the computer takes before taking all your hard work with it. Welcome back to a brand new semester of some great engineering. For projects of amazing potential and to gain information that can solve the world’s problems. For fulfilling the best major of all.
Officer Emails
For all your officer emailing needs

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>E-mail address</th>
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<tbody>
<tr>
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</tbody>
</table>

Lists*

- All officers: tpoffs@eng.wayne.edu
- All members: tpmem@eng.wayne.edu
- All alumni: tpalum@eng.wayne.edu
- All advisors: tpadvise@eng.wayne.edu
- All everything: tpall@eng.wayne.edu

*Only send emails to any of these lists if you can truthfully give the same answer to each of the following questions:
- “Is this spam?”
- “Do these people need more spam?”
- “Does anybody even read spam?”
- “Am I a terrible person?”

And a few minutes later, the goat behind door C drives away in the car...
Happy birthday to the following members!

August Birthdays:

Joseph Andrew  
James Frantz  
Alex Gagliardi  
Elizabeth Barios  
Douglas Harriman  
Elizabeth Bielski  
Ariana Mostafa

September Birthdays:

Andrews Ankrah  
Anant Patel  
Matthew Brown  
Mikhail Bordyukov

For these members, we have a cake hidden behind one of three doors. The other two doors have goats...what is the probably of eating mutton tonight if they switch the door?
Congratulations Tonya!

Congratulations from the MIE chapter to our very own Tonya Whitehead for receiving the Tau Beta Pi Laureate Award, the first received by any member of Michigan-epsilon! The award is one of five that TBP nationals awards to five students how exemplify “the spirit of liberal culture in engineering colleges” through arts, athletics, diverse achievements and service. She received the award for our outstanding pursuit of service in the university and community on top of pursuing her rigorous PhD in Biomedical Engineering.

She has been active as an officer and a member in many engineering organizations including BMES, TBP, SWE, ASME, Engineering Society of Detroit, and has founded the MSU Solar Car Club. She has been determined to share her time with many other causes from being the co-founder and president of Pawsitive Impact for Pets (PIP) to the Michigan PTA. Her animal rescue efforts even include fostering some herself. An amazing member, Tonya has used the little time that pursuing a PhD allows to give back to the community and says that it is important to give time and support what each person believes is important. Congratulations! She will be honored at the national convention in Spokane, WA.

Tonya at PIP volunteering her times at PIP events.
Always wanted your own TBP shirt? For $15, you can be the owner of your very own shirt. Pay to any officer if you are interested! Designs are below.

DID YOU KNOW THAT THE TBP STORE HAS SALES??? Cheap deals are becoming cheaper so check out the new TBP sales for September! Keep a look out for new deals each month.

### TBP STORE

#### SEPTEMBER SPECIALS

50% Off:
- Dr. Pepper ($0.99 now only 50¢!)
- Coke Zero ($0.99 now only 50¢!)
- Popcorn ($1 now only 50¢!)

Buy One Get One Free:
- Milky Way (75¢)
- Oatmeal Pie (75¢)
- Apple and Orange Juice (75¢)

Don’t forget to try our NEWEST items including Starbucks Frappuccino ($1.75) and Mini Muffins (50¢)!

### TAU BETA PI

**FRIDGE**

- Water (16.9 oz)/Pop (12 oz)..........................$0.50
- Apple or Orange Juice (10 oz)......................$0.75
- Gatorade (20 oz)/Arizona (23 oz)...............$1.00
- Monster (16 oz)........................................$1.75
- Red Bull (8.4 oz)......................................$1.75
- Starbucks Frappuccino..............................$1.75
- Capri Sun Pouch.......................................$0.25

**FREEZER**

- Pizza/Chimichanga/Hot Pockets....................$1.50
- NEW! Snickers Ice Cream Bar NEW!................$0.75

**COMBO**

[Pizza or Chimichanga or Hot Pocket]
and
[Water/Pop or Chips/Cookies]
$1.75
Colin Weir: This summer we went to Hangzhou, China. We were joined by 20 Chinese students for a Cross-Cultural Engineering Problem Solving course taught by Dr. Tan and Dr. Lai. Hangzhou was referred to as “Heaven on Earth” by Marco Polo and we got to see some of that at West Lake and on the famous Longjing Tea Plantation. We visited Beijing where we went to The Great Wall, The Forbidden City, The Temple of Heaven, Summer Palace, and The Beijing Zoo. We visited Shanghai and saw The Bund and The Shanghai Museum and also hiked and camped on Yellow Mountain. Aside from Maryssa and I, TBP members Matt, Bijal and Dr. Tan were with us too!

Rachel Malberg: I spent this summer in Germany studying abroad. I studied at the Ludwig Maximilian University in Munich and went to Venice, Budapest, Prague, Paris, Salzburg, Bruges, Ghent, Brussels, and several other places in Germany. I also had an internship with an industrial construction firm called DIBAG Industriebau in their environmental department. Everything was in German!

Amelia in Italy

I studied abroad in Austria this summer with two other engineers from Wayne State. On the weekends, we traveled to different countries including Czech Republic, Hungary, Slovenia, and Italy. While in Venice, Italy, we became lost and ended up at the gorgeous Santa Maria della Salute by accident.

Anant Patel in Ohio – He is doing a Marathon Co-op in the Operations Research at their headquarters in Findlay, OH.

Eric Kim in Dallas

Rachel in Germany

Colin and Maryssa in China (and Matt, Bijal and Dr. Tan)

Melissa Wrobel in New Orleans and New York

Rachel in Germany

Amelia in Italy

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ALS Bucket Challenge!

Guess which members have been cooling down this summer participating in the ALS Ice Bucket Challenge.

Visit ALSA.org for more information!
The TBP Room’s New Look

The front of engineering is not the only part that has had renovations. This summer, our own room tech, Doug Harriman, engineered an entire new and improved look of the TBP room. Not only has the old, suspicious sofa been replaced with classy new black sofas, a new table hand built by Doug himself has been added, the cabinets have been replaced and moved, and the fridge has been moved. Papers that were no longer needed were burnt in a bonfire. Feel that the carpet was getting old? Well, that is brand new as well. And best of all, the computers have been updated and are at long last, faster with more ram and more organization. They have local logins, so sign in with the password M1Emem!95! for access. Take a look at these before and after pictures below. This was all thanks to the hard work of members Doug Harriman, Marc Patton, Maryssa Mercer, Brien Dux, and Colin Weir who donated their time this summer for this great new look. Be sure to drop by and spend time in the newly renovated room!
Adventures of Polymer Bob - Serial Pt. 1

Once upon a time there was a polymer. He was a lonely polymer. His name was Bob and he was a little different. He had decided when he was very young that he wanted to fly, so jealous was he of the electrons, with their quantum jumps. All they needed was a little fix of photons and they were set. But the polymer didn’t know how he was going to be able to fly. So he set out on a quest, venturing outside his natural environment into the wide world of chemicals before him.

As he set out, he was unaware of how even the environment could turn against him. Polymer bob soon saw an iodine lake before him, brown as far as the eye could see. It was his first trial, but oh how he wanted to fly. Since he couldn’t, Bob hoped he was of unlike polarity as he didn’t want to be dissolved into nothingness. With no other recourse, he faced his existence head on and with an epic cannonball, jumped straight in. Lucky for him, it turned out he was mostly a polar polymer so the nonpolar iodine was unable to touch him. He floated free, drifting across but as he was coming out, unbeknownst to him, his nonpolar tail had been captured and dissolved. Oh he fought and he raged but come night, he flopped on the shore, tail trapped within the iodine’s treacherous confines.

Exhausted, he prayed for a quick dissolution. However, luck soon turned in his favor as his enemy was at last weakening. With night came the notorious chill and rain of liquid nitrogen. Cooling fast, iodine was unable to dissolve as much prey as it did under the hot rays of nuclear fusion. Polymer Bob, at the end of the lake’s territory, was among the first to be released and he fled with as much speed as his bonds could muster. Relieved, polymer Bob slowly meandered on, shaken but undeterred, but soon his second challenge would come...

To be continued...

Engineering Humor
AS A PROJECT WEARS ON, STANDARDS FOR SUCCESS SLIP LOWER AND LOWER.

0 HOURS
Okay, I should be able to dual-boot bed soon.

6 HOURS
I'll be happy if I can get the system working like it was when I started.

10 HOURS
Well, the desktop's a lost cause, but I think I can fix the problems the laptops developed.

24 HOURS
If we're lucky, the sharks will stay away until we reach shallow water.
If we make it back alive, you're never upgrading anything again.

THE COLLATZ CONJECTURE STATES THAT IF YOU PICK A NUMBER, AND IF IT'S EVEN DIVIDE IT BY TWO AND IF IT'S ODD MULTIPLY IT BY THREE AND ADD ONE, AND YOU REPEAT THIS PROCEDURE LONG ENOUGH, EVENTUALLY YOUR FRIENDS WILL STOP CALLING TO SEE IF YOU WANT TO HANG OUT.
Solutions


Credits

Room Pics provided by Doug
ALS photos provided by Tonya, courtesy fb
Puns from Tonya

All personal pictures were submitted by said person.

Image sources

http://xkcd.com/1282/
http://www.lib.utexas.edu/maps/world.html
http://imgs.xkcd.com/comics/success.png
https://fbcdn-sphotos-a-ak.akamaihd.net/hphotos-ak-xaf1/v/t1.0-9/s720x720/156835_596770686999800_1535521234_n.jpg?oh=d0f892fe8a7d272bd3dd957881639&oe=54893888&__gda__=1420101295_98faadb06fd926cb3c3cb3980b0f0ca
http://xkcd.com/comics/collatz_conjecture.png
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Note from the editor: If you are dissatisfied with the content of this publication complaints are accepted in the form of material for the following issue.
After GBM1 Tigers’ Game!

Join the local Alumni chapters for the Detroit Tigers vs. San Francisco Giants Game right after GBM.

This is an event for members who have already purchased the tickets. There are tickets available for sale as well – wait for an announcement!