The Cornerstone

Volume 30, Issue 6

March 14, 2023
Happy π Day!

Tau Beta Pi
The Engineering Honor Society

Letter From the Historian

Welcome Back Electees!

Welcome to Fourth General **(Pi Day Edition)**, another great opportunity to have some fun in TBP and connect with fellow electees! Make sure to complete your electing requirements as soon as possible, including at least **8 hours by March 21!** In addition, you will have to have completed 16 hours by Initiation on April 15. There are plenty of events on the website to sign up for if you are still looking for events!

In addition, make sure to pay the $100 dues fee! Please see the following message from Mitra, the chapter's Treasurer:

Electees should submit the one time membership due of $100 to Mitra. You can Venmo @ Mitra-Mokhlesi (last 4 cell digits: 9428) or PayPal mitramokh@gmail.com. **Required: please make your payment description "TBP Electee Dues - <Your Uniqname>".** Please submit dues by April 1!

In addition, your next TBP meeting is Elections! Here the new officers for next semester will be decided. If you are interested in being more involved in the chapter, I highly suggest becoming an officer! It is a very valuable experience and a lot of fun! I would also suggest talking with current officers about their experience and learn more about their positions.

Best,

Alex de la Iglesia

Happy Pi Day!

Fourth Gen Agenda

- Announcements
- Officer Spotlights
- PowerPoint Presentations!

Upcoming Events

- Knitwits II: 3/15 6-7:30pm
- Engineering Futures: 3/15 8-9pm
- FIRST Robotics Volunteering: 3/16 – 3/18
- Video Game Night: 3/17 4-5pm
- UMSO Volunteering: 3/18 7:30am – 8pm
- NAP Stewardship: 3/18
- Honors Brunch: 3/19
- Cub Scouts Day: 3/19
- GEICO Mock Interviews: 3/20, 3/21
- Euchre Tournament: 3/23 5pm – 7pm
- Elections : 3/28 6:30pm – 9:30 pm
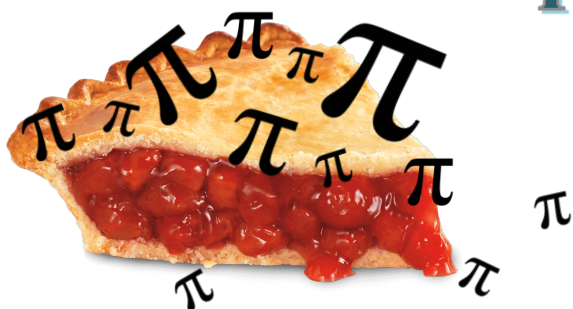
One Minute Reads

- Happy Pi Day! For those who don't know, pi is a mathematical constant for calculating the circumference or area of a circle given its radius. It is irrational, meaning it can't be represented as a fraction of integers, and shows up as a constant in many other math equations. Using "π" as the symbol for this constant was popularized by Euler in 1726.

- Pi was first approximated in ancient Babylon and Egypt, where it was first stated that it was approximately 3.125. This was improved in ancient China to get an approximation of 3.141596. With the invention of calculus and using infinite series, Newton was able to calculate 15 digits, and eventually William Shanks was able to calculate 707 digits, however making a mistake at the 528th digit.

- Computers have propelled this process of calculating digits of pi, reaching 1 million digits in 1973, and now using cloud computing, Google and collaborators have been able to calculate 100 trillion digits of pi!

TBP: The Best Puzzles

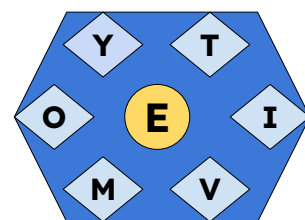Can you get checkmate in 2 moves as white? (answers below)
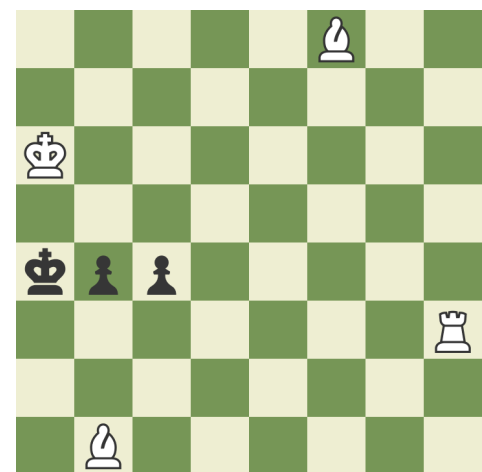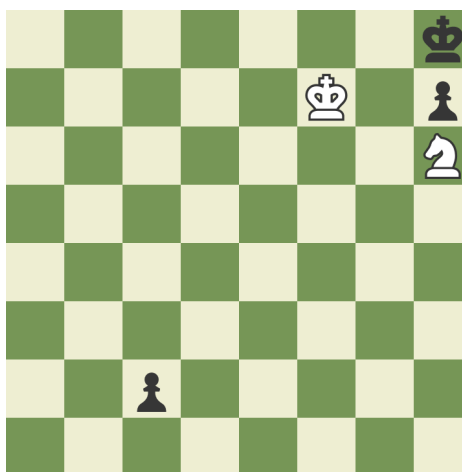
Chess Puzzle 1: Move king up to F8, black's only move is to move pawn to C1, promoting to anything (doesn't matter). Move knight F8 for checkmate!
Chess Puzzle 2: Move rook to C3, forcing black to capture with B4 pawn. Move B1 bishop to C2 for checkmate!

Can you make all 27 possible words using these letters, having to use the center letter? (the longest word is 9 letters and uses all letters)

Letters: Y, T, O, E, I, M, V

_____   _____   _____
_____   _____   _____
_____   _____   _____
_____   _____   _____
_____   _____   _____
_____   _____   _____
_____   _____   _____