



EPADEL
sections.maa.org/epadel



Student Chapter Newsletter

The MAA Turns 100!!!

It is a big year for the Mathematical Association of America and all of its local chapters. This year the MAA turns 100! Turning 100 is exciting for any organization, but it is especially thrilling for those of us who love mathematics! EPaDel is having a special celebration at our spring 2015 meeting. The meeting is being held at Franklin & Marshall College on March 14, 2015. The meeting will start with opening remarks at 9:15 followed by a special edition of *EPaDel! The Musical* at 9:26am. It would be totally irrational not to be there on 3/14/15 at 9:26! Information is included below on registration and student presentations. Besides our normal chapter updates, this edition also has information on the Philadelphia Undergraduate Mathematics Conference Series. We'd be happy to advertise any local mathematical opportunities which are open to any undergraduates in our section. As always, please send any contributions to ellen.panofsky@temple.edu.

Spring 2015 Meeting

EPaDel's spring meeting will be held at Franklin & Marshall on March 14, 2015.

Deadline for pre-registration is February 28, 2015.

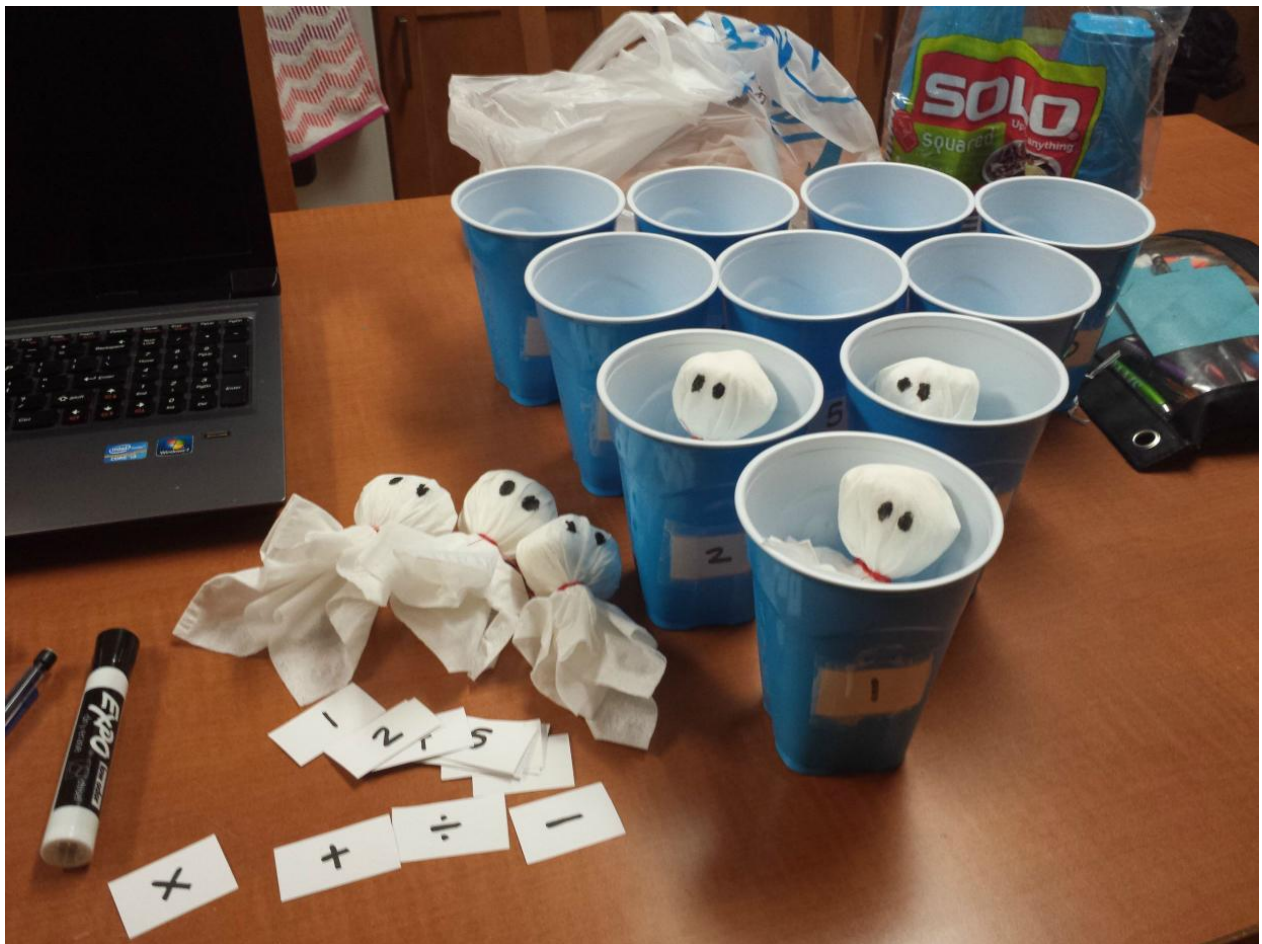
[Click here](#) to register online

[Click here](#) to register by mail



Chapter Update University of Scranton

In October we had a discussion panel where faculty and students discussed summer research opportunities, internships and graduate school. The Mathematics Club participated in the University's Safe Trick-or-Treat event with a game that had children tossing two ghosts into an array of cups labelled 1 through 10. Treats were rewarded upon providing the correct answer to an arithmetic question based on the ghost-chosen numbers. The picture shows the setup for the game. In November, we had a double-feature presentation of Flatland: The Movie and Flatland II: Sphereland. We also held a Bridge Seminar during the weekly departmental Social Tea. We had 13 students compete in the Virginia Tech Regional Mathematics Contest and take the Putnam exam. In February two students will give presentations at Moravian College's annual Undergraduate Mathematics Conference.



The above picture was from University of Scranton's Safe Trick-or-Treat event

Opportunities For Students

Are you an undergraduate who has been working on a project? EPaDel has two great opportunities for you.

1. Give a student talk at our spring meeting. Talks should be approximately 10 minutes in length and can be expository or research oriented. Student speakers will receive free registration and a Certificate of Recognition from the MAA. Deadline for submission is February 28, 2015. [Click here](#) for more information.
 2. Submit a paper for EPaDel Section's Student Mathematical Papers Prize Competition. Submissions are due by June 15, 2015. [Click here](#) for more information. The winner of our 2014 Student Paper Competition has been selected, and will be announced at our Fall meeting.
-

Chapter Update East Stroudsburg University

Euclid's Elements, East Stroudsburg University's Math club, meets monthly to discuss different topics in mathematics. Recent topics have included fractals and digital imaging. Eight club members attended the PCTM meeting in Harrisburg in the fall.

Chapter Update La Salle University

Last semester, members of La Salle's EPaDel student chapter attended the EPaDel fall meeting at University of the Sciences and participated in the Putnam Exam. They also hosted a mathematical movie night, a board game night, and a potluck holiday dinner. This semester, they attended the Moravian College Student Mathematics Conference, with chapter president Carmen Esposito presenting a talk on Polya's enumeration theorem. Students are continuing to volunteer weekly at a local elementary school (St. Athanasius School in Philadelphia) to share their mathematical talents and enthusiasm. The chapter also has campus-wide events planned for Pi Day and Mathematics Awareness Month.



Philadelphia Undergraduate Mathematics Conference Series

April 25, 2015

Featuring:

- ◆ Plenary talk by Robert Ghrist, the Andrea Mitchell University Professor in the Department of Mathematics and Department of Electrical and Systems Engineering at the University of Pennsylvania
- ◆ Minicourse by Austin Daughton, Franklin & Marshall College, titled "Analysis and Statistics in Number Theory"
- ◆ Poster session
- ◆ Undergraduate research presentations
- ◆ Professional development session

ALL students are encouraged to attend

<https://apps.cst.temple.edu/rumc>

Conference series organized by the Mathematics Departments at Bryn Mawr College, La Salle University and Temple University

Funding for this edition is provided by NSF grant DMS-0846477 through the MAA Regional Undergraduate Mathematics Conferences program, www.maa.org/RUMC, the Department of Mathematics and College of Science and Technology at Temple University.

Chapter Update Kings College

Dr. Dave Howard of Colgate University presented “GRAPH THEORY & Other Cool Things” in our department colloquium on October 13. Dr. Howard shared some neat stuff from graph theory and related fields. For instance, we learned how to answer the question, “Can you draw a figure X without going over any line twice?”

On November 14, Dr. Chad Hogg of our college presented “Teaching Computers to Make Plans” at the colloquium. He discussed some historical background of how computers decide how to achieve their goals and if we can teach computers to think more like brains.

Math/CS club members participated as volunteers in BCF (Blue Chip Farm) Animal Refuge located at 974 Lockville Road, Dallas PA 18612 on November 1st. A BCF mission is to provide a sanctuary where older, stray, abandoned, sick or abused animals can wait to be adopted or simply live out their lives in safety and peace. Math/CS club members helped in the kitty cottage as well as walking dogs, brushing them, and cleaning up after them.



The above photograph was taken at Blue Chip Farm on 11-01-2014 with Kings College Math/CS Club members who were volunteering for the day.

Chapter Update Wilkes University

Club members are sending “Welcome to Wilkes” postcards to prospective students who have been accepted for next fall and who have tentatively selected mathematics, computer science, or computer information systems as a major. Some of our junior and senior members participated in interviews of candidates for a faculty position. We have several plans for fund-raising activities, including a sale of baked goods as well as a sale of math-themed t-shirts. Some of the proceeds will be donated to a non-profit organization, yet to be selected by the club membership.

Chapter Update Bucknell University

During the Fall semester we hosted a modular origami night where we learned to construct objects using the sonobe unit. We plan to fold enough units to build a level 2 Menger sponge this spring. We also worked with a local artist to create a giant chalk mandala based on the digits of pi. This semester we are planning a movie night at our local theatre -- a screening of The Imitation Game -- with a dinner and short talk in addition. It's just after Pi Day, so you can guess what we'll have for dessert! We're also hosting informal gatherings, such as game nights. What a busy year!

Chapter Update Bryn Mawr College

This fall the Bryn Mawr chapter hosted a toast to welcome math majors back to campus, a tea to recruit new math majors, and a holiday party to celebrate the end of the semester. We also attended the sectional meeting in Philadelphia and the joint meetings in San Antonio. In the spring we look forward to math awareness month activities.



The above photograph was taken at the Bryn Mawr holiday party.



MAA100

MATHEMATICAL ASSOCIATION OF AMERICA

CELEBRATING A CENTURY OF ADVANCING MATHEMATICS

Join the EPADEL section of the MAA for a centennial extravaganza and celebration of the one and only real Pi Day of our lives!

Invited Speakers

Aparna Higgins, University of Dayton, "Sequences of Polygons"

Frank Farris, Santa Clara University, "Polyhedral Symmetry in the Plane"

Ezra Brown, Virginia Tech, "The Many Names of $(7, 3, 1)$ "

Plus! Student Paper Sessions

New! Contributed Paper Session for Faculty

Birthday Celebration! Cake, games, t-shirts, and featuring...

EPADEL! The Musical

Advance Registration Deadline: February 28, 2015

Hosted by Franklin & Marshall College

Full details at <http://www.maa.org/EPADEL/>



PI DAY

3/14/15 at 9:26 a.m.

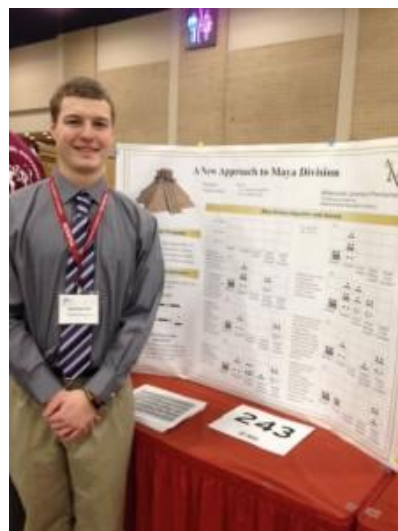


Congratulations

This is a new section in our newsletter where we share exciting news from undergraduates in our section. Please email ellen.panofsky@temple.edu if you have exciting news from an undergraduate that you want to share.

- Madeline Hanson-Colvin, from Bryn Mawr College, won EPaDel's 2014 Student Mathematical Papers Prize Competition. Her paper *Everywhere Continuous Nowhere Differentiable Functions*, can be read [here](#).

- Nicholas Heil (pictured on the right), from Millersville University won an Outstanding Presentation Award in the MAA's Undergraduate Poster Session at the 2015 Joint Mathematics Meetings (JMM). His poster, *An Algorithm for Maya Division*, Nicholas presented a new approach as to how the Maya culture may have completed division in their number system.



- Congratulations to Timothy Julian and Candace Heller (pictured below), from Penn State, Harrisburg, who got engaged at EPaDel's fall meeting just before Timothy a talk during the student session.

