

# Mu Alpha Theta



APRIL 2022

We need your rankings!

## TOP 8 MATHEMATICAL MINUTES VIDEOS

[BASERATE](#)--False Positive Paradox

[COVIDIFF](#)--Systems of Differential Equations

[DNTSPDRV](#)--Derivative Rules

[GBANDIT](#)--Permutations and Combinations

[INVRSFUN](#)--Function Inverses

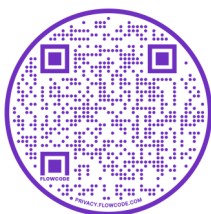
[POWERDUO](#)--Antiderivatives

[TAKEDYDX](#)--Derivative Rules

[TLKABOUT](#)--Irrational Numbers

**Your sponsor will receive an email with instructions on how to submit your rankings. Your chapter's rankings will be due at 4:30 pm CDT on April 28, 2022.**

Go to <https://mualphatheta.org/mathematical-minutes> or use the QR Code to watch the videos! Enjoy!



Join us this summer to celebrate the *50th In-Person Convention*

Alexandria, VA, July 10–15, 2022



Enjoy this year's convention excursion, which will be a trip to "the National Mall" in Washington, D.C., in between participating in competitions, chatting with friends, and hearing great speakers.

Register for the convention before May 1, 2022

Top 5 Reasons to Attend from the 2020 National Delegates

1. Compete and excel in math at the national level.
2. Meet others who love math.
3. Expand your mathematical horizons.
4. Develop team-building skills.
5. Have fun!

## NOMINATIONS DUE MAY 15, 2022

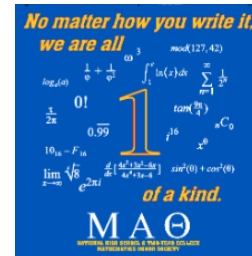
Sister Scholastica (pictured) was a dedicated sponsor and a fixture at the national conventions. Nominate your most committed sponsor for this prestigious, student-nominated and student-selected award.



## T-SHIRT DESIGNS DUE MAY 25, 2022

Why? Earn \$1000 for your chapter! See other members with your design on their T-shirts!

Visit [mualphatheta.org/content/mat-t-shirt-contest](https://mualphatheta.org/content/mat-t-shirt-contest) for more information!



Use the QR Code and click on the April newsletter to check out more important information:

Page 2: Important Convention Notes  
New Mu Alpha Theta Chapter

Page 3: Convention COVID Guidelines

Page 4: Sponsor's page



Please visit <https://mualphatheta.org/newsletter-archive> and click on the April newsletter.

## APRIL 2022, PAGE 2

To have a positive, memorable convention experience, please...

- ◆ Introduce yourself to your seatmate before or after tests to make new friends.
- ◆ Bring plenty of sharpened pencils
- ◆ Wear your nametag while at the hotel.
- ◆ **Wear your mask while testing.**
- ◆ Take lots of photos
- ◆ Bring formal attire for the final awards ceremony
- ◆ Pack sunscreen
- ◆ Get to meals on time.
- ◆ Be on time for tests!
- ◆ Attend mixers and speaker sessions.
- ◆ Keep your hotel room neat! The hotel is doing us a favor by hosting us, and your mother doesn't work there.
- ◆ Remove your nametag when you are on public streets. It's an invitation to pickpockets and evil-minded strangers.
- ◆ Ensure that your delegate attends the delegate meeting(s).
- ◆ Be in your room by curfew!



John F. Kennedy Senior High School, Silver Springs, MD, has a new Mu Alpha Theta chapter—the first in its 60-year existence. The members started out as a virtual Math Club last school year with 5 faithful members. They now have 15 members within 4 months and have submitted two videos to the Math Minutes Contest, participated in the Math League Contest, peer tutored and more. They plan on visiting NASA Flight Center soon and since the Convention is in their "backyard", members are fundraising to attend.

For Pi Day they posted this picture and during the meeting, members found the area sector of each slice of a 12-inch pizza. Then ate them, of course.

This is the second chapter that sponsor, Anthony Armbrister, has helped get activated.

### QR CODES: WHY? WHEN?

If you were just out of school in the late 1970s, you would have been faced with year over year inflation of up to 13.3%. In the grocery stores, prices were typically found on stickers on the package. Each week when you went to get your food, there would be another sticker because prices were going up so quickly. UPCs (barcodes) were at the beginning of their life, but quickly became ubiquitous. With today's inflation, the vendor just programs a new price into the computer, and you might never realize that the price had gone up!

Skip ahead to 1994, coders were learning that UPCs with a limit of 20 alphanumeric characters were inadequate to convey information that needed to be shared, and QR (Quick Response) codes came about in 1994. Just as technology alleviates people's efforts in labor, QR codes alleviate entering long strings of website URLs, along with a lot of other applications!

Some colleges teach UPC coding in general education mathematics courses.

We hope you are using the QR codes provided in the newsletter to assist in your navigation about [mualphatheta.org](http://mualphatheta.org).

Register for the convention before May 1, 2022



### 2022 MU ALPHA THETA CONVENTION COVID GUIDELINES

Mu Alpha Theta will follow CDC guidelines and Virginia guidelines and will modify the following as needed.

#### 1) Promoting Vaccination

Mu Alpha Theta encourages teachers, staff, students, and their families to get vaccinated as soon as they can. You can visit [vaccines.gov](https://www.cdc.gov/vaccines) to find out where you can get vaccinated against COVID-19. All attendees should bring their vaccination card (or copy thereof).

#### 2) Consistent and Correct Mask Use

**All test takers will wear their masks correctly and consistently while taking tests.**

Mu Alpha Theta recommends indoor masking for all individuals ages 2 years and older regardless of vaccination status. In general, people do not need to wear masks when outdoors. Mu Alpha Theta recommends that people who are not fully vaccinated wear a mask in crowded outdoor settings or during activities that involve sustained close contact with other people. Fully vaccinated people might choose to wear a mask in crowded outdoor settings, especially if they or someone in their household is immunocompromised.

#### 3) Physical Distancing

Mu Alpha Theta recommends maintaining at least 3 feet of physical distance between students within testing situations, combined with indoor mask wearing to reduce transmission risk.

#### 4) Screening Testing

Mu Alpha Theta will not be offering screening testing. It is recommended that schools should screen teachers and students who have not been fully vaccinated from communities where COVID-19 transmission is at moderate, substantial, or high levels.

#### 5) Handwashing and Respiratory Etiquette

In the hotel common areas, they have displayed the CDC's guidelines on handwashing, covering coughs and sneezes, and have increased the number of hand sanitizer dispensers.

#### 6) Staying Home When Sick and Getting Tested

Everyone with COVID-19 should stay home and isolate away from other people for at least 5 full days (day 0 is the first day of symptoms or the day of the positive viral test for asymptomatic persons).

#### 7) Contact Tracing in Combination with Quarantine

Mu Alpha Theta will report, to the extent allowable by applicable privacy laws, new diagnoses of COVID-19 to state and local health department as soon as we are informed.

#### 8) Cleaning and Disinfection

The Hilton will follow its EventReady with CleanStay Protocol. Please see our website.

*After the Convention, you should:*

*Inform the Executive Director Dana C. Wade immediately if you are confirmed by health authorities to have COVID-19 or if you are placed in quarantine within 14 days of the meeting, so that necessary contact tracing in association with the COVID-19 case may be carried out.*

# Sponsor News April 2022



## Reminders

- Vote Due 4/25 at 4:30 pm CT
- Convention Registration Due 5/1
- T-shirt contest Due 5/25
- Huneke Award Due 6/15

## 2022 Mu Alpha Theta Elections

Your ballot should have arrived on March 15, by email. The ballot only goes to the primary sponsor of active chapters. Please vote if you have not already. For more information refer to the email you received on March 15th.

- President-Elect:         Storie Atkins  
                               Rob Snow
- Region 3 Governor:     Betty Hood
- Region 4 Governor:     Daniel Bonnett
- Treasurer:             John P. Albert

Constitutional Amendment:

Article III, Section 3 shall read:

Nominations are subject to the following restrictions:  
(1) No one shall serve more than one consecutive term as President.

**Please vote no later than Monday, April 25th at 4:30 pm CT.**



**Karen Kating**  
**Program Coordinator**

Karen Kating is the cheerful voice that greets you when you call Mu Alpha Theta's national office. During her tenure at Mu Alpha Theta, Karen has been an invaluable member of the team. And between September 1st until February 7th, she was the only employee in the office.

Karen has multiple responsibilities and completes all her tasks in an exemplary manner. Since August, Mu Alpha Theta could not have survived without her. She thinks strategically and despite being extremely busy she comes up with creative ideas and services to offer the membership and to make the sponsor's and the Executive Director's lives easier. She plans to sell Mu Alpha Theta merchandise at the 2022 Convention, and she works extensively with our social media presence including dreaming up the contest and prize ideas.

Karen has two children and the greatest grandson in the world. One son is a 5th grade reading teacher—shown above with his son and Karen. She has had an interesting background, which makes her well-suited for her position, including working in marketing, shipping, taking orders, and serving in an office.

She has been with Mu Alpha Theta for 4 years, and since at least August she has been filling an Assistant Executive Director's role, and we hope to be able to make that role permanent.

—Dana and Kathy



## Registering for the 2022 Convention

- 1. Reserve your hotel rooms.**
- 2. Members recommend using Edge or Chrome.**
- 3. Using your chapter number and pa\$\$word, sign in to [www.mualphatheta.org](http://www.mualphatheta.org)**
- 4. Then Click on the blue button, "Conventions". Once there, choose "Join Convention."**
- 5. Follow the Convention Instructions that are accessed by clicking the blue button on the upper right hand corner of the registration page.**

### Get Your Packages

When you enter your shipping address in the store, it will automatically add your school name. If you retype your school name, the probability is high that UPS will mark it as wrong address and charge us for it again. Ridiculous, maybe; but that's how it works.

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 ★ **Remember:** ★  
 ★ ★  
 ★ Each chapter is ★  
 ★ allowed four free ★  
 ★ shipments per ★  
 ★ school year, subse- ★  
 ★ quent orders will ★  
 ★ have shipping ★  
 ★ charges added. ★  
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Mu Alpha Theta wants to recognize accomplishments and activities. If a sponsor retires or earns a promotion or you have other newsworthy activities, please email [kathy@mualphatheta.org](mailto:kathy@mualphatheta.org). —Kathy Mowers, Newsletter Editor