



# JULY REPORT

## Looking ahead...

After months of waiting, FMVA was finally able to release its first book publication on the Northern Virginia Trap Rock quarries. This is such an exciting time for our community and we are so pleased to see the response and support from industry and teacher associations. Our work at FMVA has only just begun, but this book has helped bring a passionate team together who are ready to continue with the next book! The remainder of this year will be spent perfecting all the different things we accomplished and would like to do again. So far, FMVA has shown itself as a key organization for the Commonwealth in mineral education and community outreach. The team is looking forward to what lies ahead and how we can continue to improve and add on to the services we offer the community.

If you would like to be a part of these future endeavors, then please reach out to us via email. We are fully supportive of clubs and individuals being a part of these activities and encourage everyone to participate as a way to give back your knowledge and passion to the community.

Book and poster sales are in full swing now, so please pick up some copies and support the cause! \$35 per book and \$40 per poster. All proceeds go towards making more books and ensuring our activities continue far into the future. Thanks again to everyone for their inspiring support!

## Key July Updates

- FMVA took a break for the first part of July as Thomas went off for his vacation out west. Check out some photos from his trip (pgs. 4-12)
- There was no speaker series last month. This coming Friday, Thomas will give a presentation on the NOVA Trap Rock Publication.
- On July 22nd, FMVA hosted its official book launch for the NOVA Trap Rock Publication (pg. 2)
- The third installment of Rockin' PD was held on July 22nd at the Culpeper Plant hosted by Luck Stone. The event was a major success with multiple companies represented (pg. 3)
- If you are interested in purchasing books, please email us. We also have a wonderful poster series of our logo that we are selling. Books are \$35 and posters are \$40. Sales go towards future publications and nonprofit activities.
- FMVA will be spending the remainder of the year debriefing and perfecting the various activities and events for future years. We would love to hear your feedback about our work this year and how we can improve!



## **NOVA TRAP ROCK BOOK LAUNCH**

July 22, 2022 at Old House Winery in Culpeper, VA



On July 22nd, FMVA hosted the official book launch event for the Northern Virginia Trap Rock Quarries publication. Over fifty people were in attendance with multiple organizations and industry groups represented, including the Virginia Transportation Construction Alliance (VTCA), the National Sand, Stone, and Gravel Association (NSSGA), the Virginia Association of Science Teachers (VAST), Martin Marietta, and Luck Stone. The event was held from 1-3 pm with drinks and food provided by the vineyard.

Thomas and Darryl Powell took a moment to speak to the crowd about the hard work and success over the last year to turn this idea into a reality for Virginia. With the first publication out, there is major interest for continued books focusing on the other provinces and classic localities in Virginia. Thomas thanked the FMVA board for their hard work and Diamond Dan Publications for turning this book into a true masterpiece. The board was available to sign copies for those in attendance and several posters were sold of the Barger Quarry pyrite lithographic print. There were a lot of stories being shared and new friendships being made between various communities and backgrounds who had never gotten a chance to meet each other before. It was also a great opportunity for some virtual friends to finally meet after working on FMVA projects over the last two years.





## CULPEPER ROCKIN PD EVENT



The third Rockin' PD Event hosted by FMVA, VTCA, and VAST was held earlier in the morning on July 22nd before the FMVA Book Launch. Luck Stone hosted over 40 teachers and several industry representatives at their plant to teach teachers about their role in local communities and the importance of aggregate materials in society. Luck Stone was an incredible host, even providing an airconditioned transport bus down into the quarry on the blistering hot day. Groups were split into two, with one doing a "cupcake" experiment and the others taking a trip down into the quarry to see the preserved dinosaur tracks.

FMVA provided many resources to the teachers, including the VTCA rock kit that FMVA helped produce the teacher manual from. Dr. Speer brought 70 packets of informational materials provided by the American Geoscience Institute (AGI) in collaboration with major science organizations in the country including USGS, NASA, and the National Parks Service. Teachers were thrilled with all the resources and were excited to stay updated on FMVA news.





# **PHOTOS FROM THE WEST**

**By Thomas Hale**

*Badlands,  
South Dakota*



*Yellow Mounds  
Badlands,  
South Dakota*

*Yellow Mounds  
Badlands,  
South Dakota*





Morning in the Badlands  
*Badlands,  
South Dakota*



Mt. Rushmore  
*Black Hills,  
South Dakota*

*Black Hills,  
South Dakota*





Devils Tower  
*Wyoming*

Grand Tetons  
*Wyoming*



Grand Tetons  
*Wyoming*



Yellowstone  
*Wyoming*

Hot Springs  
*Yellowstone,  
Wyoming*



Geyser  
*Yellowstone,  
Wyoming*





Hot Springs and Geyser  
*Yellowstone,  
Wyoming*

Bones inside a hot spring  
*Yellowstone,  
Wyoming*



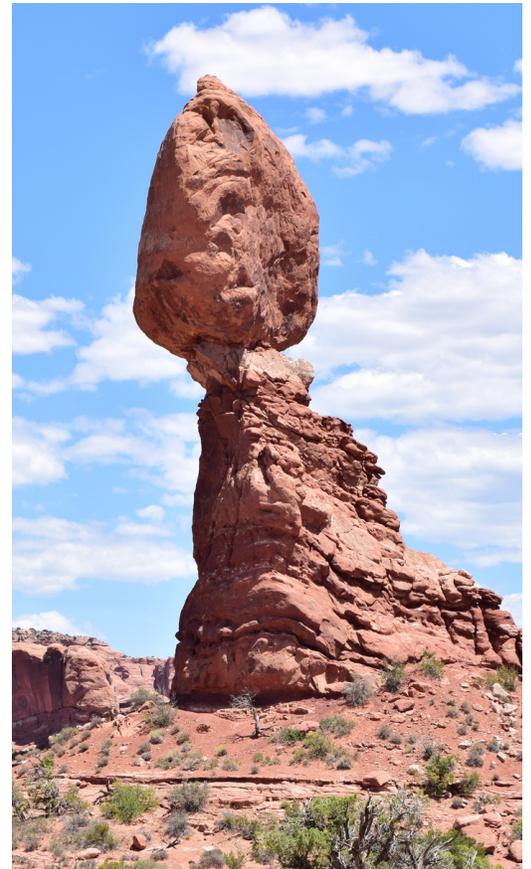
*Canyonlands,  
Utah*

*Arches National Park,  
Utah*



*Arches National Park,  
Utah*

*Cross Bedding in Sandstone  
Arches National Park  
Utah*





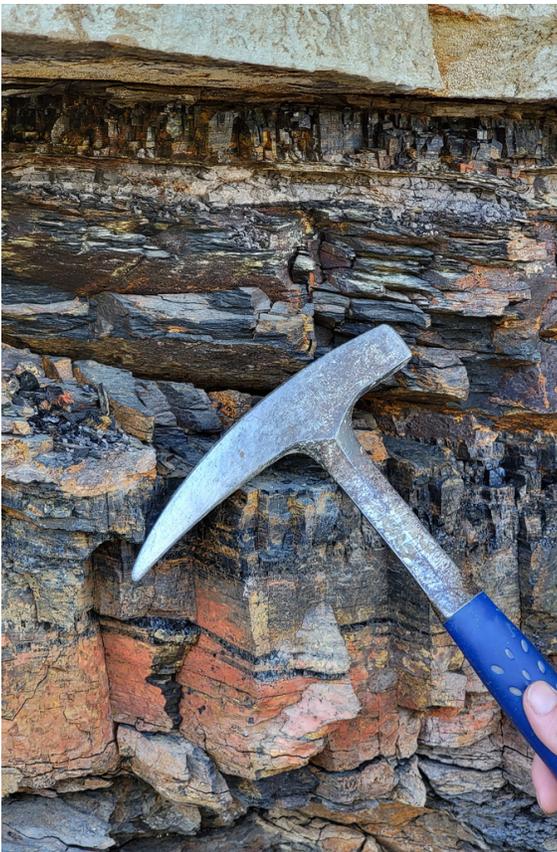
*Canyonlands,  
Utah*



*Canyonlands,  
Utah*

*Canyonlands,  
Utah*





K-Pg Boundary Clay (Dinosaur Extinction Event)

\*Grey layer ~ 0.5" thick\*

Lake Trinidad State Park

Colorado

-10 parts per billion of Iridium-



## FMVA Lithographic Series

The team at FMVA is excited to announce the release of our first lithographic print in an ongoing limited edition series highlighting the incredible mineral specimens found from our state. FMVA is working with a young artist who is extremely talented. These are 11" x 17" lithographic prints with only 50 copies being made, so act fast! This is your chance to grab a piece of Virginia mineral history and support young artists and our nonprofit organization. Copies are being sold for **\$40** and they made a great addition to any Virginia mineral collection. These posters are especially important to our team as the mineral is the exact specimen behind the inspiration for our logo!

**Contact for purchase:** [friendsofmineralogy.virginia@gmail.com](mailto:friendsofmineralogy.virginia@gmail.com)

## FM National Post: Corundum



CORUNDUM -  $Al_2O_3$

## Minerals in the News

- [UK Governments first ever critical minerals strategy released!](#)
- [Bipartisan Infrastructure Law helps fund largest ever US Critical Minerals Study in Arkansas, Missouri](#)
- [The Future of Mining in Latin America: Critical Minerals and the Global Energy Transition](#)
- [How China's rare earth dominance spurs US and its allies to diversify supply chain of critical minerals](#)