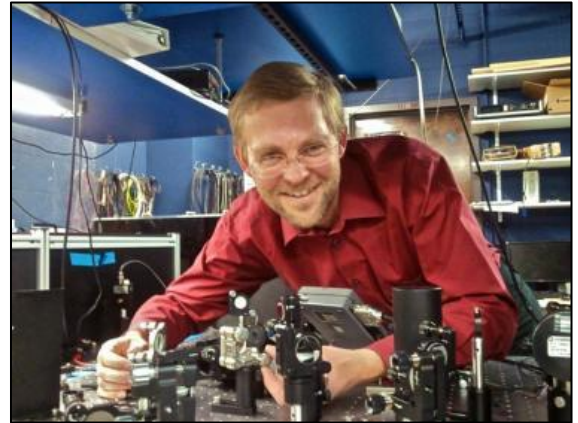


# *Flatirons Mineral Club Coming Attractions February and March 2023*

**Because of a scheduling conflict, the February club meeting has been moved to Tuesday, February 28th.**

## **February Club Meeting - Tuesday, February 28**

Our February 28th meeting will feature Dr. Markus Raschke, with a presentation on **Rare Earth Elements (REEs) in Jamestown**. His talk will tell the story of REE minerals in Boulder County, their history, and his latest research. Dr. Raschke is a professor in the physics and chemistry departments at the University of Colorado and a longtime member of our club. He has become established as a world-known expert on Colorado's REEs through publishing numerous papers on Colorado-related topics.



Join us for an interesting evening, starting at 7:00 pm at Mountain View United Methodist Church. Please note that the meeting will be in Frasier Parlor, at the south end of the church. Enter the church from the south door.

## **March Club Meeting – Tuesday, March 14**

Dr. James Hagadorn will be our speaker in March, with a talk on **Fossil Clues in Deep Time**. His talk will include several projects he currently is working on with the community science team at the Denver Museum of Nature and Science. Dr. Hagadorn is the Tim & Kathryn Ryan Curator of Geology, Department of Earth Sciences at the Museum. His talks are always informative and entertaining, so you won't want to miss this meeting.



## **Jr. Geologists Activities**

We have two fun meetings planned for the next two months.

- **Wednesday, February 15:** The meeting will feature **fluorescent minerals** with Brian Walko, Terry O'Donnell, and Gerry Naugle. You will learn all about these amazing minerals that shine with brilliant colors under ultraviolet light, as you complete requirements for the Fluorescent Minerals Badge.
- **Wednesday, March 15:** We will learn wire **wrapping for making jewelry** from rocks, minerals, and fossils. Caren Johansen and Howard Gordon will teach us techniques and tips, as we complete one of the requirements for the Lapidary Badge.

Also at each meeting, we will continue another step in the rock tumbler as the rocks we selected last month become smooth and polished.

Meetings start at 6:30 in Barker Hall (downstairs, north end) at the Mountain View United Methodist Church, 355 Ponca Place in Boulder (80303). Come into the church through the main doors from the west parking lot.

If your family would like to join the Jr. Geologists and you are not on our email list, please contact Dennis Gertenbach at [gertenbach1@gmail.com](mailto:gertenbach1@gmail.com) to have your name added.

## 2023 Dues are Due!

Annual dues are still only \$18 per household. You can pay in two ways:

- Pay Gerry Naugle, Treasurer and Membership Chair, at any FMC monthly meeting.
- Send a check made to "Flatirons Mineral Club" to P.O. Box 3331, Boulder, CO, 80307. Please do not send cash in the mail.

## Consider Serving as Club Secretary

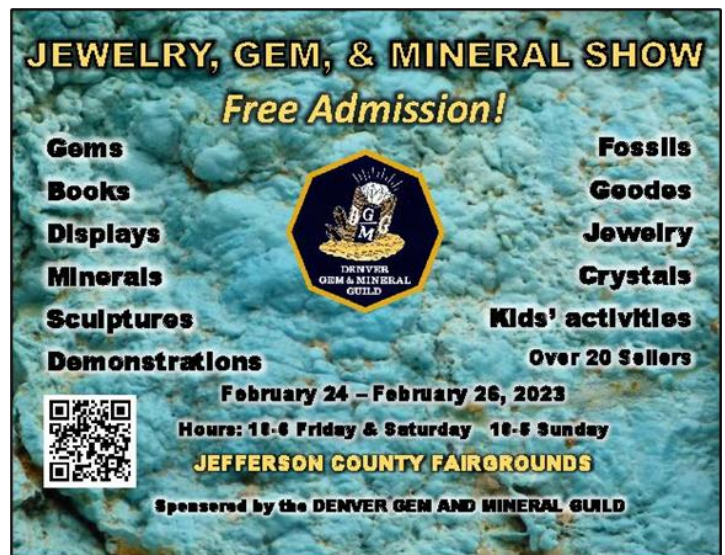
The success of the Flatirons Mineral Club is due to many volunteers. Most important are our club officers who are responsible for the operation of our club. We need a Club Secretary, whose duties include taking minutes at online Board meetings (6 per year) and handling club correspondence. Consider serving as our secretary this year. Your talents and expertise will continue to make the Flatirons Mineral Club one of the best in Colorado.

## Other Rockhounding Events and Activities in the Area

Here are other activities of interest in the area for rockhounds of all ages.

- **Saturday, February 14** at 4:00 pm, is the year's first talk at the **Western Museum of Mining and Industry**. **Calvin Johnson**, a member of the Gold Prospectors of Colorado, will share his experiences with **mining for high-grade gold ore**. He will even have samples to see! Museum members are free, general admission is only \$5. See <https://fareharbor.com/embeds/book/wmmi/items/77494/calendar/2023/02/?flow=41147&full-items=yes> for more information.

- **Friday-Sunday, February 24-28**, is the annual **Jewelry, Gem, and Mineral Show** sponsored by the **Denver Gem and Mineral Guild** at the Jefferson County Fairgrounds. Fun for the whole family, with geode cracking, beautiful minerals from around the world, (and meteorites from around the solar system) ancient fossils, fluorescent room with rocks that glow in the dark, gems, opals, magnificent hand-crafted custom jewelry, and more. Watch skilled lapidary artists cut gems and create beautiful polished stones. Talk with area rockhounds to learn about local field trips and collecting opportunities. Over 20 educational displays from The Sherman-Dugan Geological Museum, Dinosaur Ridge, and more. Vote for your favorite display and enter to win prizes. Show Special – \$1.00 Grab Bags – kids, jump start your collection with 8 minerals plus a chance to win special prizes. For more information about the show, see <https://denvergem.org/february-show/>.



- **Friday-Sunday, March 24-26**, is the **Fort Collins Rockhounds Club's 60th Annual Gem and Mineral Show**. This year's theme is **Fossil Wood and Jade**. Times are Friday, 4-8 p.m.; Saturday, 9 a.m. - 6 p.m.; and



Sunday, 10 a.m. - 4 p.m. at The Ranch/Larimer County Fairgrounds in the Thomas M. McKee 4-H, Youth and Community Building, 5280 Arena Circle, Loveland, Colorado. Parking is free for this event. More information at <http://www.fortcollinsrockhounds.org/gemAndMineralShow.shtml>.



- **Saturday and Sunday, March 25-26 is Mammals! From Mini to Megafauna, the Western Interior Paleontological Society (WIPS) Symposium.** As self-respecting megafauna



ourselves, it's only natural to wonder about our tortured journey from shrew-sized dinosaur snacks to world ecological domination. WIPS invites you to attend its 12<sup>th</sup> Founders Symposium and learn about this fascinating transformation from a cast of paleontological experts. These speakers will explore everything from the mini-mammals that scurried away from the pounding feet of Jurassic dinosaurs, to the amazing post-asteroid mammalian fauna at Corral Bluffs, Colorado, to the rapid diversification and expansion of mammals in a recovering world open to biological innovation. Attendees are even invited to ponder what might have happened if the Mesozoic hadn't abruptly ended with an asteroid strike.

- Two days of talks by paleontologists
- Educational exhibits
- Fossil displays
- Fantastic paleo art show and sale
- WIPS bookstore

Don't miss **Mammals! From Mini to Megafauna**. It's a great way to learn while supporting paleontological science through grants and scholarships.

### Dinosaur Ridge Lecture Series - Everything Dinosaur on the Rocks

Everything Dinosaurs on the Rocks is a lecture series filled with basic and local Colorado foothills geology and a literal ton of dinosaur knowledge all in one place! Join us in person or online for the entire series - and evening talks are available if you're not able to attend during the weekdays. Talks are listed to the right.

For more information, see <https://dinoridge.app.neoncrm.com/np/clients/dinoridge/eventRegistration.jsp?event=4071&>

Topic	Date
Geology 101	Jan 12
Local Geology	Jan 19
Paleontology 101	Jan 26
What is a dinosaur?	Feb 2
Sauropods	Feb 9
Theropods	Feb 16
Stegosaurids	Feb 23
Ankylosaurids	Mar 2
Iguanodonts	Mar 9
Hadrosaurs	Mar 16
Pachycephalosaurs	Mar 23
Ceratopsians	Mar 30
Archosaurs	Apr 6
Mammals	Apr 13
Cretaceous Extinction	Apr 20

All times 10am  
Attend in person or on Zoom

Dinosaur Ridge Discovery Center  
Red Rocks Entrance 1

Tickets \$5 per lecture