

Flatirons Mineral Club Coming Attractions

April and May 2023

Club Silent Auction - Tuesday, April 11

This year's silent auction will be at Mountain View United Methodist Church (355 Ponca Place in Boulder), where we are holding our monthly club meetings. The auction will be in Barker Hall in the basement of the north side of the church, starting at 7:00 pm. Park in the lot on the west side of the church, come in the main entrance, and follow the signs down the stairs to the meeting room.

Over the past several years, the club has received several outstanding collections. Many of these items will be available at the auction, including fabulous minerals, fossils, and lapidary material. There will also be rockhounding books and tools to bid on.

Come to the auction and find those special specimens, books, or tools that you have been looking for. We can accept cash, check, and credit cards. If you like, please bring finger food to share.

Sellers: We welcome your rockhounding items to sell at the auction. You can designate 20%, 50%, or 100% of the sale to go to the club. Bid slips are at the end of this email blast. It is suggested that you print the number of bid slips you need and fill them out beforehand. You can email Gerry Naugle before the auction to get a seller-buyer number to put on your bid slips. The doors open at 6:05 to set up your items.



May Club Meeting - Tuesday, May 9

Our speaker for May is Gerry Naugle, talking about "Dinosaur Bone Wars at the Heart of Modern Paleontology." Starting in the 1870s, the rush to discover more species of bigger and bigger dinosaurs was fueled by the egos of Othniel Charles Marsh and Edward Drinker Cope. The Bone Wars led to fantastic discoveries at Dinosaur Ridge outside of Morrison, in Colorado, Como Bluff in Wyoming, and other locations in the west.

Join us for an interesting evening, starting at 7:00 pm at Mountain View United Methodist Church in Barker Hall.

Field Trip Colorado School of Mines: Edgar Experimental Mine on Friday, April 28

The Edgar mine, the Colorado School of Mines Experimental Mine, is located in Idaho Springs, Colorado. In the 1870s, it produced high-grade silver, gold, lead and copper. Today, as an underground laboratory for future engineers, the site features an underground engineering classroom, rescue training programs, and research related to tunnel detection, blasting, rock mechanics, communications and development of new mining equipment and methods.

Our 1½ hour tour will start at 10:30 AM on Friday April 28th (the Mine does not have tours on weekends). We'll get a briefing on the varied activities there, get to see vintage hard rock mining equipment, and experience a modern hard rock mine that's on the cutting edge. Please come prepared for cool temperatures inside the

mine. More information can be found on their web site, at <https://mining.mines.edu/edgar-experimental-mine/>.

Stay tuned for a separate email about the trip coming soon.

For folks who can't make the Friday April 28th field trip, we'll be shooting a video that captures highlights. Stay tuned for more on that later.

Update About FMC23 Field Trip Planning

Planning for the 2023 field trip season is well underway with a wide variety of trips about to be published at our May meeting. Kicking off the season is an April 28th trip to the Edgar experimental mine in Idaho Springs (see the article above), followed by a May trip to the legendary map repository at CU Boulder. Another May trip is being planned for Dinosaur Ridge, near Morrison, Colorado. Excited yet? More trips - both local and overnight, are in the works and will be published at the May meeting.

FMC club members participating in this year's field trips can expect to collect various specimens, including barite, zeolites, fossils, agate, opal, and perhaps even gold (there will be panning).

On the educational side, participants should expect to learn more about maps, aerial imagery, mines, local geology, and history.

A special joint weekend trip with the Colorado Mineral Society (CMS) is planned for late September. Other exciting trips will be revealed in May.

Many thanks to those who have shared field trip ideas. Please know that your field trip ideas are extremely valuable and are being captured in a spreadsheet for future planning. Please share your most amazing ideas - they can be personal experiences, trips that other clubs are doing, or secret claims that need to be explored.



We have an ambitious schedule in 2023, and we always need field trip leaders. Don't be too surprised if you get a call asking if you can help out!

Jr. Geologists Activities

Monthly Jr. Geologists meetings are scheduled for April and May.

- **Wednesday, April 19:** We will learn where things we use every day come from, as we earn the Earth Resources badge. Also at the meeting, we will start the final polishing step in the rock tumbler.



- **Wednesday, May 17:** This will be our last meeting before the summer. Watch for details in next month's newsletter. The rocks we've been polishing in the rock tumbler will be finished and everyone can take some home.

Meetings start at 6:30 in Barker Hall (downstairs, north end) at the Mountain View United Methodist Church, 355 Ponca Place in Boulder. 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 to have your name added.

Other Rockhounding Events and Activities in the Area

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

- **April 7-9 (Friday-Sunday)** is the **Colorado Mineral and Fossil Spring Show** at the Crowne Plaza Hotel DIA, 15500 E. 40th Ave., Denver. Free admission; 10-6 Fri. & Sat., 10-5 Sun. See <https://www.coloradomineralandfossilshows.com> for more details.
- **April 11 (Tuesday)** at 4:00 pm, **Ellen Fisher** will talk about her **historical novels featuring Nathaniel Peter Hill**, Colorado mining entrepreneur and senator, at the Western Museum of Mining and Industry in Colorado Springs. For more information, see <https://wmmi.org/education/lecture-series.html>.
- **April 14 (Friday)** at 7:00 pm is the monthly Denver Guild meeting featuring **Dennis Gertenbach** talking about **Lithium: Where does it come from?** Wheat Ridge United Methodist Church at 38th and Vance in Wheat Ridge.
- **April 22-23 (Saturday and Sunday)** is the **Southern Colorado Gem and Mineral Show** at Pathfinder Regional Park & Event Center, Florence, Colorado. This is a new gem and mineral show in Colorado. See <https://socorockandmineralshow.com/> or www.facebook.com/socorockshow for more information.
- **May 6 (Saturday)** is the **Colorado Mineral Society Silent Auction** at Wheat Ridge United Methodist Church, 7530 W. 38th Ave. The auction will be held from 11 am to 4 pm. See <http://www.coloradomineralsociety.org/> for details.
- **May 6 (Saturday)** from 5:00-10:00 pm is **Rock Out for the Ridge**, the annual fundraiser for **Dinosaur Ridge**. For details, see <https://cbo.io/tickets/dinoridge/tix>.
- **May 11 (Thursday)** from 2:00-3:00 p.m. is the next Earth Science Colloquium at the Denver Museum of Nature & Science. The program is **Does size matter? What brachiopods tell us about evolutionary rules** by **Judi Sclafini** (UC Santa Cruz) In the VIP Room. All are invited and Museum admission is not required; check in at the Security Post. <https://sites.google.com/view/dmnsdes2020colloquiumschedule/home>.
- **May 19 (Thursday)** from 2:00-3:00 p.m., the Earth Science Colloquium continues at the Denver Museum of Nature & Science. The program is **Geology of Grand Mesa, Colorado**, by **Rex Cole** (Colorado Mesa University) in the VIP Room. All are invited and Museum admission is not required; check in at the Security Post. <https://sites.google.com/view/dmnsdes2020colloquiumschedule/home>.

- **May 20, (Saturday)** from 12 noon - 4 p.m. is the **Friends of Mineralogy Silent Auction** at Wheat Ridge United Methodist Church, 7530 W. 38th Ave. All are welcome to attend, bid, and/or bring specimens to sell (minimum 20% donation to FM). See <https://friendsofmineralogycolorado.org/>.

Dinosaur Ridge Lecture Series - Everything Dinosaur on the Rocks

Everything Dinosaur 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 below.

There are four ways to get in on these info-packed \$5 lectures:

- In-person at the Discovery Center Thursday mornings at 10 a.m. (with Q&A)
- By Zoom Thursday mornings LIVE at 10 a.m. (with Q&A)
- By Zoom Thursday evenings LIVE at 6:30 p.m. (with Q&A)

Sign up for the Zoom and receive the recording if you can't make the LIVE times

For more information, see

<https://dinoridge.app.neoncrm.com/np/clients/dinoridge/eventRegistration.jsp?event=4071&>

Everything Dinosaur ON THE ROCKS!

Thursday Lecture Series

Erin LaCount
Education Programs Director

Dr. Lou Taylor
Volunteer Paleontologist, Lead

Amanda Rea
Collection Manager, Dinosaur Center

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**

Everything Dinosaur ON THE ROCKS!

Zoom Lecture Series

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Education Programs Director

Dr. Lou Taylor
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Amanda Rea
Collection Manager, Dinosaur Center

Geology 101	Jan 19
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Theropods	Apr 13
Stegosaurids	May 18
Ankylosaurids	Jun 15
Iguanodonts	Jul 20
Hadrosaurs	Aug 10
Pachycephalosaurs	Sep 14
Ceratopsians	Oct 19
Archosaurs	Nov 9
Mammals	Dec 7
Cretaceous Extinction	Dec 14

Tickets \$5
per lecture
All start times
6:30pm

Dinosaur Ridge Field Trips

The Dinosaur Ridge Education Department has come up with a series of fantastic, guided field trips from April through October. These include:

- **CANON CITY, CO** - Including Garden Park Fossil Area National Natural Landmark and Royal Gorge
- **EDWARDS, CO** - Dinosaur Junction
- **GLENROCK, WY** - Fossil dig co-led with Morrison Natural History Museum)
- **MORRISON & GOLDEN, CO** - Detailed look at sites in the Morrison-Golden Fossil Area National Natural Landmark
- **ABIQUIU, NM** - Ghost Ranch & the tomb of the *Coelophysis*

For information about these trips, please see <https://dinoridge.org/programs-and-events/travel-and-field-programs/>.

Flatirons Mineral Club Silent Auction Bid Slip	
Bidder #	Bid Amount
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FINAL BID	\$

<i>Seller: Complete this section</i>		
1. Minimum Bid:	\$	
2. Seller's Number:		
3. Donation to club (Circle One)		
20%	50%	100%
4. <i>Description:</i>		

Silent Auction Buyer's Receipt	
<i>Item Description:</i>	
FINAL BID	\$

Thanks for your contribution. For more information about FMC visit:
www.flatironsmineralclub.org