

# *Flatirons Mineral Club Coming Attractions*

## **Club Meetings**

- **Thursday, February 13, The Life & Legends of Hawai'i's Kilauea Volcano** by Dr. Leilani Arthurs. Dr. Leilani Arthurs will discuss the geologic history of Kilauea Volcano and weave in Hawaiian legends about this area of both geologic and cultural import. Dr. Leilani is from the Big Island of Hawai'i, worked for the Hawaiian Volcano Observatory for five years, and is currently an Assistant Professor of Geological Sciences at the University of Colorado at Boulder.
- **Thursday, March 12**, features Damon Hauschulz discussing **The Great Oxidation Event**. This was a time period when the Earth's atmosphere and the shallow ocean experienced a rise in oxygen, approximately 2.4 billion years ago. Come and learn how this event changed life on Earth.

Club meetings begin at 7:00 pm at the Frasier Meadows Assembly Room, 350 Ponca Place, Boulder, CO 80303. When you enter the building, ask the receptionist for directions to the meeting room.

## **Field Trip to the Mines Museum on February 22**

Our club has arranged a special tour of the Mines Museum of Earth Science in Golden on Saturday, February 22. Located on the Colorado School of Mines campus, the Museum contains extensive displays of minerals, mining artifacts, meteorites, fossils, and gemstones, as well as a walk-through mine. Our tour guide will begin our tour at 10 am and will explain many of the items on display.

This is a great tour for all ages. To join us on the tour, just log in on the club's website at <https://flatironsmineralclub.org/> and go to the Field Trip page.

## **Jr. Geologists Meetings**

- **Wednesday, February 19**, is Mars night, where we will learn how our exploration of this planet has helped shape our understanding of the geology of Mars.
- **Wednesday, March 18**, we will study gems, as we complete requirements for the Gemstone Lore and Legend badge.

The Jr. Geologists program is open to all Flatirons Mineral Club families. Meetings are at the Meadows Branch Library at 4800 Baseline Rd, Boulder, CO 80303 (behind the Kaiser Permanente medical offices). For information about the Jr. Geologists program, please contact Dennis at [gertenbach1@gmail.com](mailto:gertenbach1@gmail.com) or 303-709-8218.

## **Rocky Mountain STEAM Fest - March 7 and 8**

STEAM Fest is coming March 7-8. The festival is designed to promote interest in science and art in children; STEAM stands for **S**cience, **T**echnology, **E**ntrepreneurship (innovation, engineering), **A**rt and **M**ath. Our club will be there to promote the Jr. Geologists program and recruit new members. We need people at our club's table to talk about the benefits of joining, to help the kids play the match game, and to "sell" grab bags. Anyone interested in helping - you only have to man the table for as long as you can spare the time - please email Charlotte at [rckhnd4252@gmail.com](mailto:rckhnd4252@gmail.com).

## Field Trip Ideas for 2019

Although it is cold outside with snow on the ground, the field trip committee is already planning trips for this summer. What would you like to collect this year? Where would you like to see the club visit?

If you have an idea for a field trip location, please send your ideas to Gabi at [accatino@colorado.edu](mailto:accatino@colorado.edu). Even better, if you would like to lead a field trip, just let Gabi know. We want a variety of places to go this summer, including several new sites.

## Field Trip Coordinator Needed

The field trip coordinator schedules field trips for club members during the warm weather months. This person also works with other club members to identify new locations for trips and trip leaders to lead them. The field trip coordinator is also a club Board member.

Please consider volunteering for this position. Gabi has agreed to help the field trip coordinator with this job. Plus, other Board members are more than willing to assist you. To learn more about the requirements, please contact Gabi at [accatino@colorado.edu](mailto:accatino@colorado.edu) or Brian at [earthextractions@gmail.com](mailto:earthextractions@gmail.com).

## Write an Article for the Club Newsletter

One of the best features in each club newsletter are articles and other contributions by club members. Club members have a wide range of interest in earth science and rockhounding and are willing to share their interest with other members through articles, photos, poetry, and artwork.

We are looking for items from all age groups, including adults and Jr. Geologists. This year, consider sending a contribution to the newsletter to Dennis at [gertenbach1@gmail.com](mailto:gertenbach1@gmail.com). If you need help with your contribution, please contact Dennis.

## Other Rockhounding Events and Activities in the Area

Here are other rockhounding-related activities for both adults and juniors that you might be interested in. Thanks to Pete Modreski of the USGS for providing many of these notices.

- **Tuesday, February 11**, 7:00 p.m., Western Museum of Mining & Industry, Colorado Springs, February Lecture Series, **"Industrial Minerals All Around Us"**, by David Abbott. "Industrial minerals are major components of most products we use on a daily basis: bricks & concrete, building stones, wallboard, glass, ceramics and sand paper. They are found in cleaning products like Soft Scrub, many cosmetics and even the table salt we eat!" The monthly lecture series is free to WMMI Members, \$5.00 for guests. To RSVP to attend a lecture call 719-488-0880 or email [rsvp@wmmi.org](mailto:rsvp@wmmi.org).
- **Tuesday, February 11**, 6:00 pm, **Meet Charles Darwin** at the Denver Museum of Nature & Science Ricketson Auditorium. [www.dmns.org](http://www.dmns.org).
- **Wednesday, February 12**, 7:30, **Travels with Darwin** at the Denver Museum of Nature & Science Wildlife Halls. Charles Darwin, brought to life by enactor Brian "Fox" Ellis, leads you on this unique tour through the Museum's dioramas. [www.dmns.org](http://www.dmns.org)
- **Thursday, February 13** is **Dinosaur Ridge After Dark**, an educational and social events tailored to an adult audience. Participants will learn more about paleontology and geology in a relaxed environment. <https://dinoridge.org/tours-programs/special-events/>

- **Thursday-Sunday, February 13-16** is the **66<sup>th</sup> Annual Tucson Gem and Mineral Show**, sponsored by the Tucson Gem and Mineral Society (TGMS), Tucson Convention Center, Tucson, AZ. This is “the main show” in Tucson; many of the other, commercial shows, in the city are already open and have been for the past week or more.
- **Saturday, February 15** is **Walk with a Geologist at Dinosaur Ridge**. Join a professional geologist for a tour of Dinosaur Ridge—a 2½-hour walk and discussion of the geology and changes of the Denver area through time. This walk is part of a series running through October and begins at the Dinosaur Ridge Main Visitor Center, 16831 W. Alameda Parkway. <https://dinoridge.org/tours-programs/special-events/>.
- **Sunday, February 16**, noonish, at the monthly FSS (Florissant Scientific Society) meeting, Jay Temple (geologist) and Jennifer Heiny (Garden of the Gods Visitors Center) will give a presentation “**Behind the Scenes at Garden of the Gods**”, followed perhaps by a short field trip. Meeting place and exact time TBD. All are welcome to attend. Contact Beth Simmons, [cloverknoll@comcast.net](mailto:cloverknoll@comcast.net), for details or to be put on the FSS mailing list.
- **Tuesday, February 18**, 10:30-11:30 a.m., USGS Rocky Mountain Science Seminar, **Global metal resources; land of plenty or are we running out?** Dr. Simon Jowitt, University of Nevada, Las Vegas. Building 25 auditorium, Denver Federal Center, Lakewood CO.
- **Tuesday, February 18**, 3:00 p.m., Denver Museum of Nature and Science M. Ray Thomasson Earth Sciences Colloquium, **Last gasp of the Cretaceous: Insights from North Dakota**, Clint Boyd (North Dakota Geological Survey). The DMNS Earth Sciences Department has named its 2020 Colloquium series in honor M. Ray Thomasson, a longtime Earth Sciences volunteer at the museum. Link to the series schedule for the whole year: <https://sites.google.com/view/dmnsdes2020colloquiumschedules/home>
- **Friday-Sunday, February 28-March 1, Denver Gem & Mineral Guild, Jewelry, Gem, and Mineral Show**, Jefferson County Fair Grounds, 15200 W. 6<sup>th</sup> Ave., Golden, CO. Free parking & free admission; hours 10-6 Fri. & Sat., 10-5 Sun. See the flyer to the right for more details.
- **Fri., Mar. 13, North Jeffco Gem & Mineral Club Silent Auction**, APEX Community Center, 6842 Wadsworth Blvd., Arvada, setup at 5:30 p.m., auction begins at 6:45 p.m. All are welcome. For more info, Bill Jones, 303-503-6288, email [sidewindermin@comcast.net](mailto:sidewindermin@comcast.net). See the flyer on the next page for more information.
- **Fri.-Sat.-Sun., Mar. 13-15, Fort Collins Gem & Mineral Show**; at Thomas M. McKee Building, at The Ranch/Larimer County Fairgrounds, 5280 Arena Circle, Loveland, CO (I-25 exit 259); hours 4-8 Fri., 9-6 Sat., 10-5 Sun.; adult admission \$4. Sponsored by the Fort Collins Rockhounds Club. See the flyer on the next page.

**JEWELRY, GEM & MINERAL SHOW**

**Gems**  
**Books**  
**Displays**  
**Minerals**  
**Sculptures**  
**DEMOS:**  
**Flint Knapping**  
**Wire Wrapping**  
**Fluorescence**  
**Polishing**  
**Faceting**

**Fossils**  
**Geodes**  
**Jewelry**  
**Crystals**  
**Activities for kids**  
**DEALERS:**  
**Over 20 Sellers**  
**Free Admission!**

**February 28 – March 1, 2020**  
**Hours: 10-6 Friday & Saturday 10-5 Sunday**  
**JEFFERSON COUNTY FAIRGROUNDS**  
**15200 W. 6<sup>th</sup> Ave. – (W. 6<sup>th</sup> Ave. & Indiana, Golden)**

**No food available onsite; restaurants nearby**  
Grab Bag Sales proceeds applied to scholarship at Colorado School of Mines  
**Sponsored by the DENVER GEM AND MINERAL GUILD**  
[www.denvergem.org](http://www.denvergem.org)  
Photos: Robert Johnson

**North Jeffco Gem & Mineral Club  
Silent Auction**

Friday, March 13<sup>th</sup>, 2019  
APEX Community Recreation Center  
6842 Wadsworth Blvd, Arvada, CO 80003

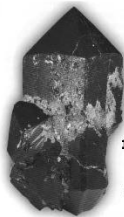
**Setup at 5:30 PM**

Seller limits on number of items to sell:  
Club Members – No limit  
Non-members – Maximum of 30 items

**Auction Begins 6:45 PM**

Checkout Begins Immediately After Auction  
No Early Checkout  
Free Parking, Free Admission  
Cash or Check only

◆ jewelry ◆ gems ◆ minerals ◆  
◆ bake sale ◆ crafts ◆



◆ free refreshments ◆  
◆ public invited ◆



If you need a finished piece of jewelry,  
rough material to fashion yourself,  
a specimen for your collection,  
or an interesting and fun evening,  
this is the place.

Sellers & Buyers Welcome

For more info call Bill Jones 303-503-6288  
Or email [sidewindermin@comcast.net](mailto:sidewindermin@comcast.net)

59th Annual 2020 Fort Collins Rockhounds  
**Gem & Mineral Show**  
Featuring Copper & New World Minerals

 Friday March 13 4pm-8pm  
Saturday March 14 9am-6pm  
Sunday March 15 10am-5pm

Details at [www.fortcollinsrockhounds.org](http://www.fortcollinsrockhounds.org)  
[frockhounds@gmail.com](mailto:frockhounds@gmail.com) • (No dealer space available)

Ojibway #1 mine  
Keweenaw Cty., MI  
Photo: Phil McCollum

Iron City (Empire) mine  
Keweenaw Cty., MI  
Photo: Phil McCollum

  
Thomas M. McKee 4-H, Youth  
& Community Building,  
Larimer County Fairgrounds

