

CLUB MEETINGS

- **Thursday, February 14.** **Markus Raschke** of the University of Colorado is our speaker this evening. His presentation is the **Mineralogy and Petrology of Rare Earth Pegmatites in Pikes Peak and Silver Plume Batholiths** in Colorado. The Pikes Peak and Silver Plume batholiths have long been known for their large number of pegmatites, with many exhibiting unusual rare earth element (REE) enrichment. Markus will present his latest findings on the variety of REE minerals found in these pegmatites, along with what they tell us about the origins of these pegmatites.
- **Thursday, March 14.** **Damon Haushultz**, also from the University of Colorado, will talk about the **Fountain Formation**, which makes up the Flatirons west of Boulder and Red Rocks Park outside of Morrison. His program will include a show-and-tell of Fountain specimens from the Front Range and the Maroon Bells on the other side of the divide, delving into Colorado's geologic past.

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

JR. GEOLOGISTS ACTIVITIES

- **Wednesday, February 20.** This month is **Dinosaur Night**, where we will learn more about these animals which dominated the earth for nearly 150 million years.
- **Wednesday, March 20.** We will begin working on a new badge. More information will be sent to the Jr. Geologists families.

The Jr. Geologists program is open to all Flatirons Mineral Club families. Meetings begin at 6:30 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 or 303-709-8218.

FIELD TRIPS

- The Colorado School of Mines Geology Museum trip in February has been postponed. We will send out information when it has been rescheduled.
- The trip to **North Table Mountain outside of Golden** to collect zeolites and other minerals has been scheduled for **Saturday, April 20**. Participants will hike to the South Quarry, a little over a mile with 600 feet elevation gain. To learn more about the trip and to sign up, please login on the club's website, <https://flatironsmineralclub.org/>.

The field trip committee is now putting together the field trips for the summer. If you have suggestions about where you would like to go, please contact Charlotte Bourg at rckhnd4252@gmail.com. Even better, volunteer to lead a trip this summer.

ED RAINES' MINERALOGY CLASS is full. If you missed out this year, we hope to schedule another class in the future.

STOLEN FOSSILS AND MINERALS

Trick Runions' storage was broken into over Thanksgiving. Please keep your eye out for several key items and someone trying to hawk the rest of his stuff in bulk. Key items include: 3-inch Kremmling ammonite with sutures on half, baseball sized nautilus from Kremmling, mammoth tooth, Kemmerer big plates of fish fossils (two are almost 2 foot by 3 foot), Triceratops frill piece, Stegosaurus tooth (small). Also 40 flats of fossils were taken containing, including



Delta trilobites, Manitou trilobites, gastropods of all kinds, shark teeth, crystals, ammonites, cephalopods, baculites, scaphites, and several flats of Mazon Creek jellyfish, ferns, and nuts. Please email Trick Runions at trickrun@yahoo.com if you see suspicious stuff being sold.



ROCKY MOUNTAIN AUCTION ITEMS WANTED

Every year the American Federation of Mineralogical Societies holds a conference in one of the seven Federations. At this conference they have prizes that anyone may buy tickets to win these awesome rock related items. These prizes come from people like you. They are donated to the AMFMS for the sole purpose of selling tickets so the money can be used towards the scholarships. Each federation gets 2 scholarships for the amount of \$4,000. They are seeking donations for the next conference in the last of March. If you have an item to donate, please contact Richard Jaeger at rjgrsci@aol.com.

OTHER ROCKHOONDING EVENTS OF INTEREST - Thanks to Pete Modreski of the USGS for providing many of these.

- **Now through March 31:** The Conifer Historical Society hosts a special exhibit on “**Mining in Jefferson County**” at Conifer’s “Little White School House” meeting place at 26951 Barkley Road, Conifer. The exhibit will be open (no admission charge; donations accepted) just one day a week, every Sunday from 11 a.m. to 3 p.m. The exhibit/display are really superb and I'm sure you will enjoy seeing it! Two special programs will be presented in conjunction with the exhibit; admission to each program will be \$8/\$10 for members/nonmembers:
 - **Sun., Feb. 10, 1:00 p.m., How the 1859 Gold Rush put Colorado on the map**, by Wes Brown
 - **Sun. Mar. 10, 1:00 p.m., Frontier mining methods**, by Ed Raines
 - In addition, there will be a special “**Bring your favorite rocks and minerals**” (and a School of Mines geology student will identify them) day, **Sunday, Feb. 17, 11 a.m. – 1 p.m.**; no charge to come. For more information about the Historical Society and the exhibit, or to make reservations to attend the lectures, see <https://www.coniferhistoricalsociety.org/events/>. See the attached flier about the exhibit + special lectures.
- **Mon., Feb. 4, 7:00 p.m.**, monthly meeting of the Western Interior Paleontological Society (WIPS), “**In the Footsteps of Early Paleontologists, Finding Historic Photo Sites in Badlands National Park**”, by Emmett Evanoff, Kathy Brill, and Justin Little. At Lowry Conference Center, 1061 Akron Way, Denver CO; all are welcome. See <https://www.westernpaleo.org/> for more info and an abstract (and photo illustrations) of the presentation.
- **Fri., Feb. 8, 7:30 p.m.**, “**Fossil Turtle Tracks, Marshall, Colorado**”, by Dr. Sue Ellen Hirschfeld, of Boulder, CO. “Dr. Hirschfeld discovered a unique fossil track site just east of Marshall, CO. DGMG members helped

map the original site in the spring of 2018. Since then over 500 tracks have been mapped and recorded, and some of the finest fossil turtle tracks ever found have been photographed, cast, and molded, along with crocodile and dinosaur tracks. Come hear about the discoveries!" At the monthly meeting of the Denver Gem and Mineral Guild, Berthoud Hall, Room 109 (lower level), Colorado School of Mines campus; all are welcome. Parking is on campus streets or lots (no parking charge after 5 p.m.). For details see the club's January or February newsletters (the program was rescheduled from January due to snow), <http://mineralguild.wixsite.com/newsletters>.

- **Tues., Feb. 12, 7:00-9:00 p.m., WMMI Speakers' Bureau Lecture: "Mining High Grade Ore"**, presented by Calvin Johnson. "Calvin Johnson, with Gold Prospectors Of Colorado (GPOC), will give a presentation accounting his "Experience of a Lifetime" in the recovery of a quartz vein that assayed at 2281.7 ounces per ton containing crystalline (93.887 fine) gold wires. In layman's terms that equals \$2.8 million dollars per ton. The gold is in sugar quartz, which is very rare on its own. Calvin will have samples for all of us to gaze upon (sorry no touching). The samples are very fragile and some crystalline gold wire falls out when handled." Western Museum of Mining & Industry, 225 North Gate Blvd. , Colorado Springs, CO 80921 (In the museum library). RSVP to 719-488-0880 or email rsvp@wmmi.org. Fee \$5, free to WMMI members.
- **Fri.-Sat.-Sun., Feb. 22-24, Denver Gem & Mineral Guild Jewelry, Gem, and Mineral Show**, Jefferson County Fair Grounds, 15200 W. 6th Ave., Golden, CO. Free parking & free admission; hours 10-6 Fri. & Sat., 10-5 Sun.
- **Sat., Mar. 2, 10 a.m. – 6:00 p.m., Mineral and Book Sale** at the Colorado School of Mines Geology Museum, 1310 Maple St., Golden. Public sale opens at 10 a.m.; advance sale for Friends of the Museum members only, 8 to 10 a.m. ("Drop by and become a member!").

JEWELRY, GEM & MINERAL SHOW

**GEMS
MINERALS
DISPLAYS
BOOKS
DEMOS:**
Cabbing
Flatlapping
Faceting
Flint knapping
Wire Wrapping
Stone Carving

**JEWELRY
CRYSTALS
FOSSILS
GEM &
MINERAL
DEALERS**

**Free
Admission!**




February 22nd – 24th, 2019
Hours: 10-6 Friday & Saturday 10-5 Sunday
**JEFFERSON COUNTY
FAIRGROUNDS**
15200 W. 6th Ave. – (W. 6th 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

BIG SALE

**Announcing A Ridiculously Awesome
Mineral & Book Sale at the Museum!**

Mines Museum
Colorado School of Mines Campus
1310 Maple Street, Golden, Colorado

Museum Friends Members Only Sale
Saturday, March 2, 2019
8:00 a.m. to 10:00 a.m.
Members receive a 20% discount on purchases
(Drop by and become a member!)

The Public Sale
Saturday, March 2, 2019
10:00 a.m. – 6:00 p.m.

A colossal selection of minerals, rocks, books, maps, journals, fossils, etc.
Prices will vary by item or box. All sale proceeds go to the Mines Museum.

Information: 303-273-3815; <https://facebook.com/CSMGeologyMuseum/>;
<https://friendsofcsmgeomuseum.org/>

- **Thurs., Mar. 21, 7:00 p.m., “A Cook’s Tour of Colorado’s Glacial Landscape”** by Dr. Vince Matthews. Monthly meeting of the Colorado Scientific Society, Shepherd of the Hills Church, 11500 W. 20th Ave., Lakewood; all are welcome.
- **Fri.-Sat.-Sun., Mar. 22-24, 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. Sponsored by the Fort Collins Rockhounds Club.



- **Sat.-Sun., Mar. 23-24, WIPS (Western Interior Paleontological Society) semi-annual Founders Symposium, “Lagerstätten: Exceptional Preservation, Extraordinary Fossils”**. To be held at Lowry Conference Center, 1061 Akron Way, Denver. Two days of lectures, educational exhibits, displays of fossils, paleo art show and sale with over a dozen artists. See https://www.westernpaleo.org/symposiums/2019_pages/about-2019.php.

- **Fri.-Sat.-Sun., Apr. 12-14, Colorado Mineral and Fossil Spring Show**, Crown Plaza Hotel /Convention Center, 15500 E 40th Ave., Denver, Colorado, 10-6 Fri. & Sat., 10-5 Sun., free parking & admission.

- **Sun., May 19, Friends of Mineralogy, Colorado Chapter, Silent (+Vocal) Auction**. Noon to 4 p.m., Clements Community Center, 1580 Yarrow St., Lakewood CO. All are welcome to attend.

- **Fri.-Sat.-Sun., May 31-June 2, Pikes Peak Gem & Mineral Show**, Norris-Penrose Event Center, 1045 Lower Gold Camp Road, Colorado Springs, CO 80905. Sponsored by the Colorado Springs Mineralogical Society.

