

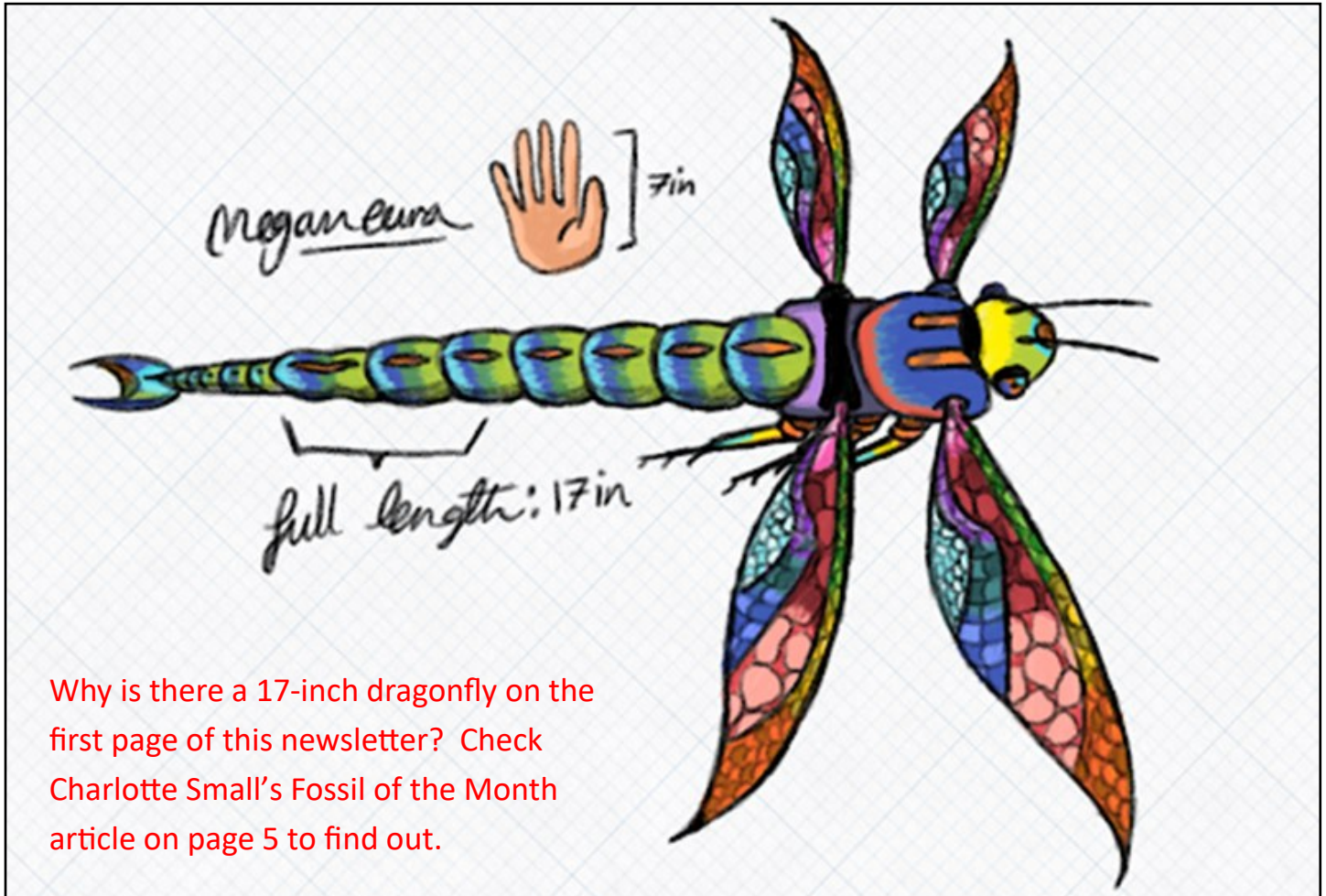


Flatirons Facets

Flatirons Mineral Club of Boulder County, Colorado

Volume 68, Number 2

March-April 2025



Why is there a 17-inch dragonfly on the first page of this newsletter? Check Charlotte Small's Fossil of the Month article on page 5 to find out.

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The Flatirons Mineral Club

is a non-profit organization, which is dedicated to developing and maintaining interests in Earth science and associated hobbies. The purpose of this Club includes, but is not limited to, studying geology and Earth science, teaching others about our hobby, including young people, collecting gem, mineral and fossil specimens, and learning lapidary skills.

The Flatirons Mineral Club is affiliated with the Rocky Mountain Federation of Mineralogical Societies, the American Federation of Mineralogical Societies, and the Greater Denver Area Council of Gem and Mineral Societies.



President's Message

Becoming a Lifelong Rockhound

It all started when I was in mid-elementary school in New Jersey. My parents took me to a Rocks & Minerals Show at a nearby high school. I remember being amazed by all the booths with little boxes containing different types of minerals. I purchased a one-inch perfect cube of pyrite for 25 cents. I still have that piece of pyrite. At later shows, ultraviolet dealers started to appear. I entered a dark tent with large fluorescent black light bulbs illuminating the minerals. I purchased a palm-size fluorite specimen that fluoresced a deep blue. That got me hooked on fluorescent minerals. In the 1960s, Edmund Scientific was the mail-order source for science enthusiasts. I purchased a small ultraviolet longwave light and starter accessories (fluorescent paint, crayons, optical bleach, and a few small minerals). That helped me win first place at my elementary school science fair in seventh grade. Over 50 years later, my little longwave light still works.

In high school, I became interested in fossil collecting. The local creeks had shark teeth in the gravel bars. My friends and I built screens and sifted the gravel. Besides the shark teeth, we would occasionally find an arrowhead. I also discovered an outcrop containing fossilized shells, which I still have in a box somewhere in my basement.

College gave me the foundation to understand the scope of geology, and postgraduate classes in petroleum geology, mining geology, and the economics of geology helped me expand my knowledge.

Many of our adult club members started collecting rocks and/or fossils as kids. This is why I consider our Junior Geologist program so important. Under the guidance of Dennis Gertenbach and other adult club members, FMC junior members can earn badges in twenty geologic disciplines. This gives our junior geologists a head start in geologic science and helps them become professionals or lifelong rockhounds.

Best regards,
Brian Walko, FMC President

Club Meeting – Tuesday, March 11

At our March meeting, **Markus Raschke** will be speaking about the **Uranium King Mine**, located on ranch land near Encampment, Wyoming, in a medium-sized pegmatite formation. Early on, the mine was evaluated for commercial mining potential, but it was determined that the mine did not contain enough commercial-grade ore, and no uranium was produced. However, recent analysis of ore samples from the mine have found the deposit to contain not only uranium, but also thorium and the rare earth elements samarium (mainly), europium, and yttrium. The mine and surrounding pegmatite outcrops are currently being evaluated for producing these rare earth elements, with uranium and thorium as byproducts. It will be a very interesting program with lots of photos.

Previously, the University of Wyoming, the US Geological Survey, and the Atomic Energy Commission had misidentified the main ore-mineral coming out of the mine. Markus's work has corrected this error.



Silent Auction – Tuesday, April 8

This year's silent auction will start at 6:45 pm in Barker Hall at Mountain View United Methodist Church (355 Ponca Place in Boulder). Over the past few 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 rock-hounding 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.

Also, plan to bring something to carry your purchases and something to wrap and protect your purchases.

To help promote our Silent Auction, please print and distribute the flyer at the end of this newsletter.

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. Now is the time to go through your rocks, minerals, fossils, rockhounding books, and other equipment and set aside items you no longer want and would like to sell at the auction. You can e-mail Gerry Naugle at gnaugle@earthlink.net for a seller's number ahead of time, so you can fill out your bid slips before the meeting. Bid slips are at the end of this newsletter. Tables for Silent Auction items will be available for set up starting at 6:00 p.m.

Questions about selling items at the auction? Contact Gerry at gnaugle@earthlink.net.



Wire Wrapping Class on March 30 - There's Still Room!



Many of us have seen Caren Johannes' beautiful wire wrapping jewelry at Rocks & Rails Shows. She will share her wire-wrapping knowledge in a class on March 30. Come learn the basics of wire wrapping and stone-setting as you make a beautiful cabochon pendant! No previous jewelry-making experience is necessary. Bring yourself and your imagination!

The class will be on Sunday, March 30, starting at 1 pm in Frasier Parlor at Mountain View United Methodist Church in Boulder. The cost for the class is \$75, which covers the cost of materials (wires and stones), instructions, and tool rental. The club will pay half, so your cost will be \$37.50, payable at the beginning of class.

The class is limited to 12 students (adults and juniors in middle or high school) and only two people per family. You can sign up with Gerry Naugle at gnaugle@earthlink.net or 303-591-2830. Currently, there are two spaces left; then we will start a waiting list.

And be sure to send a photo of your creation for the next newsletter and display your piece in the Towel Show next fall.

Exploring the Geology of the Front Range and Optional Visit to the Argo Gold Mill First Field Trip of the Season

This field trip on May 3rd will have two parts, delving into the heart of the Colorado Front Range.

The first half of the day will be five stops exploring the Lyons Formation and Precambrian basement outcrops in the foothills. The stops will discuss the potential for geothermal energy extraction in the western-most side of the Denver Basin and the Colorado Mineral Belt, and examine past geothermal altering and the future geothermal possibilities of these two regions.



Credit: Billy Hathorn, [Creative Commons Attribution-Share Alike 3.0 Unported](#)

After lunch or exploring the town of Idaho Springs on your own, we will reconvene at the [Argo Gold Mill and Tunnel](#). This historic site, once a powerhouse of gold production, offers an immersive experience into Colorado's rich mining heritage. You'll explore the massive Argo Tunnel, learn about gold extraction techniques, and even try your hand at panning for real gold - which you are nearly guaranteed to find. You'll learn amazing historical facts, including why Idaho Springs was one of the first towns in the

Colorado to get electricity (even before Denver), and view some stunning mineral specimens. The panning techniques you learn will come in handy on future field trips!

In April, look for this field trip to be added to our website (<https://flatironsmineralclub.org/>), and then log in to sign up for the trip. A detailed travel guide will be loaded on the website for attendees to download.

The club subsidizes 50% of the tour cost for two club members in each family or for a club member and a guest. If it snows on May 3rd, the trip will be rescheduled for May 10.

Needed: Your Input for 2025 Field Trips

We have an exciting 2025 field trip season coming up and are looking for people who want to lead a trip. Leading a trip is a fun and rewarding experience, and we are here to help you make it a success. Even if you don't have a destination in mind, we can work with you and suggest some of our tried-and-true locations. Please reach out to Jasper Seldin (jseldin@gmail.com) if you are interested or have any questions!

And be sure to attend our May club meeting to learn about all the trips we have planned for this year.

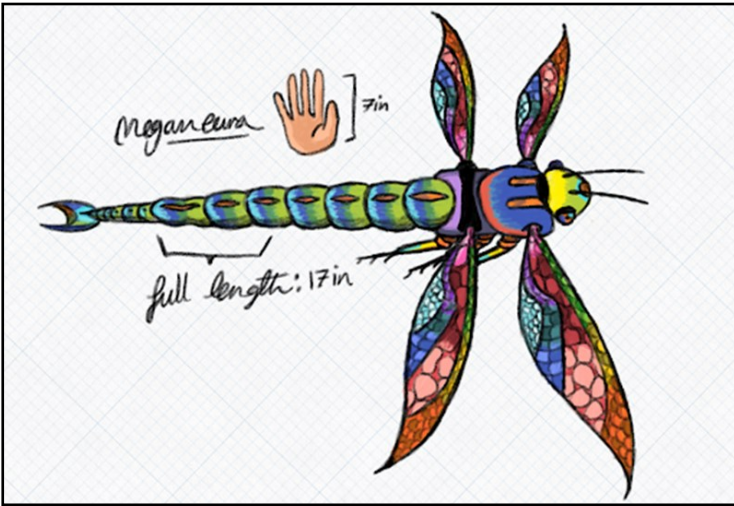
Member Name Tags

Would you like a Flatirons Mineral Club name tag to wear at club events and field trips? The club places orders for name tags several times a year for members.

If you would like a name tag, please log onto our website and choose the "Request a Name Tag" link in the Members Area. Add your name to the list as you want it to appear on your name tag, and it will be ordered for you. Your first name tag is free!



Example of a club name tag



Fossil of the Month

Charlotte Small, Jr. Geologist

Meganeura was a genus of massive insects related to modern-day dragonflies. They were carnivorous, mainly preying on other insects, and they dominated the late Carboniferous.

If you would like to learn more about these, here are some good resources:

[Carboniferous - Meganeura](#)

[Meganeura : The largest insect ever existed was a giant dragonfly](#)

Contribute to Our Club Newsletter

Our club's award-winning newsletter is known for the adult and junior members' articles, photos, artwork, and poetry in each issue. Consider writing an article or contributing photos, artwork, or poetry for our newsletter. It can be about a favorite collecting place, one or more interesting specimens in your collection, a piece about Colorado's mining history, lapidary and jewelry projects, a personal or club field trip, or anything related to rock-hounding.

You can send your contributions to Dennis Gertenbach at gertenbach1@gmail.com. If you have questions about contributing to our newsletter, please contact Dennis.

And, who knows? Your contribution might place in the Rocky Mountain Federation newsletter contest next year.

Past Club Meetings

Our first club meeting of the year featured club member **Dennis Gertenbach** with a lively presentation about **What Jurassic Park Got Wrong**. We watched clips from the Jurassic Park and Jurassic World movies and then talked about what was not scientifically accurate, as we munched popcorn. Great fun.

Dennis Gertenbach's presentation on What Jurassic Park Got Wrong.



Ron Wolf joined us in February with a presentation on **The Safe Handling and Storage of Radioactive Specimens (Plus, Everything Else You Need to Know About Collecting Radioactive Minerals)**. Ron brought a collection of radioactive minerals for club members to examine. It was a very informative meeting.

Ron has an extensive collection of hundreds of beautiful mineral photographs at <https://www.flickr.com/photos/rwolf/> that you will want to check out.



Left: Ron Wolf with radioactive mineral specimens.
Above: Club members viewing the specimens

Photos from Brian Walko

Jr. Geologists Activities

Many minerals have special optical and other properties. The Jr. Geologists explored some of these special properties at their January meeting, including triboluminescence, magnetism, chatoyancy, birefringence, and iridescence. Each of the Jr. Geologists at the meeting earned the Special Effects Badge.



Far left: Maxwell Minson talked about magnetic minerals. Left: Jr. Geologists examining tiger eye chatoyancy. Below: Terry O'Donnell has the juniors select rocks for polishing in the rock tumbler



Each year, the Jr. Geologists polish a batch of rocks in a rock tumbler, starting the next step at each meeting. Terry O'Donnell began the first step with the Jr. Geologists, discussing what rocks are good to tumble, the steps for polishing rocks, having them select rocks to tumble this year, and having them add the coarse grit to start the process.



In February, we looked at gemstones, talking about what makes a gemstone a gemstone. Each Jr. Geologist learned about his or her birthstone and found some interesting facts about it. Each junior also chose a famous gemstone to research. You can see what they learned on pages 7 to 10, as they earned their Gemstone Lore and Legend Badge.

The topic for March's meeting is earth resources, where we will learn how most things we use every day came from the earth. Our cell phone alone took 42 minerals to make. In April, we will learn about geology in space, including the geology of planets, moons, and asteroids.

The Jr. Geologists program is open to all Flatirons Mineral Club families. We meet monthly on the third Tuesdays during the school year and have special field trips and other activities in the summer. For information about the Jr. Geologists program, please contact Dennis at gertenbach1@gmail.com or 303-709-8218.



The Jr. Geologists examine different gemstones with Dennis Gertenbach

Photos from Hana Elek and Dennis Gertenbach

National Draw a Dinosaur Day

Yes, there really is a National Draw a Dinosaur Day, It's on January 30. Several Jr. Geologists participated in this fun event. Enjoy.



Famous Gemstones by the Jr. Geologists

American Golden Topaz Petra Lund

The American Golden Topaz was found in Minas Gerais, Brazil. It has 172 facets and measures 6.9 x 5.9 x 3.7 inches. It weighs 10 pounds. It is on display at the Washington Museum.



Black Prince's Ruby Cormac McKeon

The Black Prince's Ruby is not a ruby, but a spinel. Spinel is rarer than diamonds. The Black Prince's Ruby was worn by King Charles on his Crown.



More Famous Gemstones by the Jr. Geologists

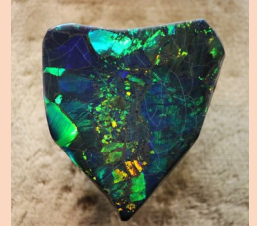
Andamooka Opal Ken Daniel

The Andamooka Opal was discovered during the 1930s. Two men were sheltering from a thunderstorm under a tree, when a pretty rock caught their eyes in Andamooka, South Australia. This led the miners to rush to this locality. The Andamooka Opal is one of the oldest opal deposits currently known to exist. The Andamooka Opal lies in the marine Bulldog Shale, which shares a large proportion of the Marree Subgroup in the early Cretaceous Period. Anamooka Opal is naturally black, and treatments are given to opal from the region to make it visibly appealing. Lastly, I think that the Andamooka Opal is a very unique Australian treasure, and this unique gemstone should be researched more thoroughly.



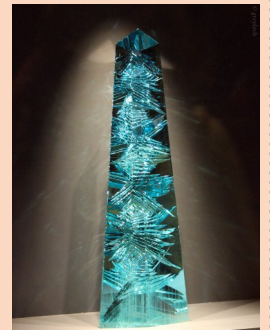
Halley's Comet Opal Mihai Nicolaev

Did you know that Halley's Comet Opal was found by some opal miners in the Leaning Tree Claim at Lightning Ridge? The miners were known as "the Lunatic Hill Syndicate" about the time Halley's Comet appeared in the Australian sky. Astronomers have now linked the comet's appearance to observations dating back more than 2,000 years. Halley's Comet was last seen in Earth's skies in 1986 and was met in space by an international fleet of spacecraft. It will return in 2061 on its regular 76-year journey around the sun.



Dom Pedro Aquamarine Ellen Carmona

The Dom Pedro Aquamarine is the largest known aquamarine. It was originally three feet tall and weighed 60 pounds, but the cut part is now fourteen inches. Aquamarines are a variation of the mineral beryl, along with emeralds. This particular aquamarine is cut into an obelisk shape meant to illuminate it from the inside. The Dom Pedro came from Brazil in the 1980s and was named after two Brazilian emperors. After it was cut, it was donated to the Smithsonian Museum where it stands today.



Koh-i-Noor Diamond Conall McKeon

The Koh-i-Noor Diamond was found in India in the sand. It is owned by the British, and Queen Victoria said only women can wear it.



More Famous Gemstones by the Jr. Geologists

Star of Bombay Ilya Nath

The Star of Bombay originates from Sri Lanka and is one of the largest star sapphires that has a name unrelated to their origin; the other being the Star of India. The gem was first acquired by Trabert & Hoeffler, Inc. of Park Avenue in New York City, and was set in a platinum ring.



The Star of Bombay's violet-blue color is caused by the presence of titanium and iron. The Star of Bombay is a 182-carat cabochon-cut star sapphire. The gemstone displays a distinct star-shaped pattern on its surface, created by fine, needle-like inclusions of rutile within the sapphire. The Star of Bombay is also a British-manufactured gin and is consumed in alcoholic beverages.

Hope Diamond: A Blue Gem Axel Gray

The Hope Diamond is a big, deep blue, 45.52-carat gemstone, and it's been famous for centuries. It was originally found in India in the Kollur Mine, located in the Golconda region, where a lot of famous diamonds were found.



When it was first discovered, the rough diamond was over 112 carats, but it's been cut and reshaped over time. The diamond has had a crazy journey—it was owned by French kings, rich collectors, and famous people before being donated to the Smithsonian in 1958. Now, it's on permanent display in Washington, D.C., and worth somewhere between \$250-350 million!

One of the coolest things about the Hope Diamond is that if you shine ultraviolet light on it, it glows red. Scientists think this happens because of the way boron and nitrogen mix inside the diamond. Some people think that this diamond is cursed, but I do not think it is. The Hope Diamond is an extremely rare gem.

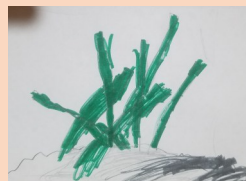
Black Prince's Ruby Quin Armstrong

The so-called Black Prince's Ruby is not a real ruby. It is a mineral in the spinel class.



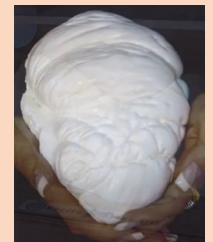
Medusa Emerald Hugo Lund

It was discovered in 2008.



Pearl of Lao Tzu Callum McKeon

A diver dived trying to get the Pearl of Lao Tzu, after he discovered it in the Philippines. It weighs 14 pounds and is not a gemstone pearl.



More Famous Gemstones by the Jr. Geologists

Dom Pedro Aquamarine Maxwell Elek

The Dom Pedro Aquamarine is the largest known aquamarine gem found in the late 1980s in Brazil. The original crystal weighed over 100 pounds, but shattered into 3 pieces during its excavation. The largest piece weighed about 60 pounds. It was named the Dom Pedro after the first and last emperors of Brazil. It is 14 inches tall, 4 inches wide, and weighs 10,363 carats. It is on display at the Smithsonian National Museum of Natural History in Washington, D.C.

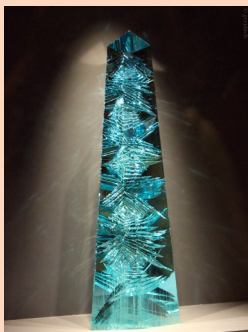


Photo Credits: American Golden Topaz, Rob Lavinsky CC-BY-SA-3; Black Prince's Ruby, Cyril Davenport, public domain; Andamooka Opal, Dpultzter, CC-BY-SA-3; Koh-i-Noor Diamond, Chris 73, CC-BY-SA-3; Halley's Comet Opal, Greyloch, CC-BY-SA-2; Dom Pedro Opal, Greyloch, Creative Commons; Star of Bombay, Tim Evanson, Creative Commons; Hope Diamond, Smithsonian Institute, public domain; Pearl of Luo Tzu, Wikipedia.

Front Range Rocks Appear to Confirm Extreme Snowball Earth

Andrew MacGregor

For retirees like me, Phys.org is the go-to daily news site for science & engineering. A recent Colorado reference caught my attention.

There is consensus that, for reasons yet to be fully elucidated, between 720 and 635 Myr ago the Earth was covered in ice up to several km thick, but until recently it was not proven how close to the (then) equator the thick ice reached. A new CU Boulder et al. analysis asserts that dikes of Tava Sandstone injectites in Pikes Peak granite in the Ute Pass fault area support the theory. At its most simplistic, the evidence suggests that the liquid-rich sand, below the glaciers but above the granite, was so pressured by kilometers of ice above, that it "fracked" cracks in and into the granite. Dated by uranium-to-lead decay of laser ablated minerals, this appears to be good physical evidence for thick ice sheets above the equator of Snowball Earth. To read further, links are:



Tava Sandstone dike near Woodland Park
Image courtesy James St. John, Ref 4, used by permission

Phys.org: [Was 'Snowball Earth' a global event? New study delivers best proof yet](#)

Excellent: [RMAG Siddoway April 6 rmagSmall.pdf](#)

'[Missing link' found in ancient rocks of Colorado show that Snowball Earth really happened | Live Science](#)

Images: [Sandstone injectite \(Tava Sandstone, Neoproterozoic; south... | Flickr](#)

Safety

What's in a Date

Ellery Borow, AFMS Safety Chair

Have you checked your safety supplies? I have to make a confession. Digging to the depths of the garage last month I came upon a Safety Supplies Kit in a pile of stuff. I do not recall ever purchasing the kit, so it had been there a long time. I brought it into the house, opened it, and then there was rummaging around in it. Oh, my goodness -- what I found! The kit had been an official store bought one, not one assembled of parts and pieces purchased individually and put into a box. It had been advertised as being for an auto. *The contents included:*

- Individual packets of antibiotic
- Packages of antiseptic wipes
- A tube of burn cream ointment
- Adhesive bandages in several common sizes
- Wound dressings of sterile gauze pads, non-stick pads, rolled gauze, tape
- Individual packages of Acetaminophen (extra strength)
- Individual packages of Anti-Diarrheal
- A cold pack
- Gloves
- Scissors
- Tweezers
- Thermometer
- A survival reflective plastic film wrap
- And an instruction manual



Here is my report on the condition of the contents:

- The burn cream had a manufacturers code. Maybe it included a coded expiration date, but I was not sure.
- The adhesive bandages and gauze had neither code nor expiration date. As the kit had been in the garage many years, I could not be sure if the adhesive was still effective.
- The antibiotic had expired in December 1997.
- The acetaminophen expired in October 1999.
- The anti-diarrheal expired in August 1998.
- The foil packs of antiseptic wipes expired in December of 1997.

Credit: Wannapik, <https://www.wannapik.com/>, CC BY 3.0

In many winters' worth of ice cold environment and the sometimes dampness of the building in summer, as well as its heat, I could not be sure of the sterility of the gauze pads. As the contents were subject to freezing, did that have detrimental effects on any of the kits' supplies, such as the creams and other medications? There was no indication of needing to keep the contents from freezing or high temperatures. The kit needed a date-over and updating, which had not been accomplished in quite some time. Even though the kits' contents were in a plastic box, it had no gasket to keep it moisture and airtight.

As a consideration, please don't let this happen to you. Check the dates and viability of your safety supplies. As a safety recommendation, I suggest a yearly check of the contents of any safety kit. I also recommend the keeping of a log noting the dates the kit is checked and a list of the items contained within. The kit found in the garage will now be stored in the house and kept at room temperature.

Please have a safe new year. Your safety matters.

Editor's Note: This article first appeared in the February 2025 A.F.M.S Newsletter.

AFMS Badge Program



You hear about our Jr. Geologists earning badges for a number of different geology and rockhounding topics. As members of the Rocky Mountain Federation of Mineralogical Societies, our club also is part of the American Federation of Mineralogical Societies (AFMS).

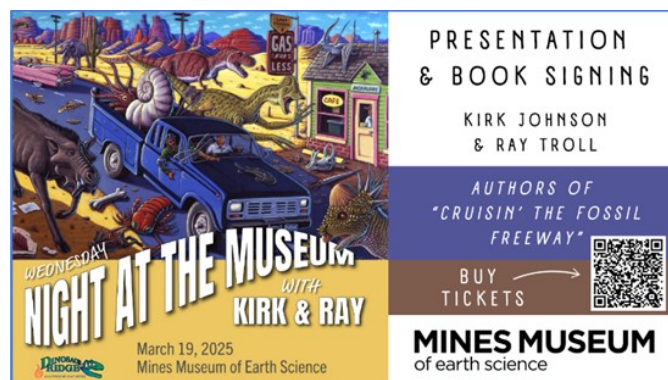
The Badge Program is one of many AFMS Future Roundhounds of America (FRA) programs designed for clubs to use in working with youth. The program is designed to reward youth with a series of badges, patches, and a completion pin. For each badge, there are easy-to-use activity guides.

This program is available only to clubs or societies affiliated with the AFMS and FRA. The program is **free** to AFMS affiliated clubs including the patches, badges, pins, and downloadable material.

Other Rockhounding Events and Activities in the Area

Here are other events and activities in the area that may be of interest. Thanks to Pete Modreski for providing information about many of these events.

- **March 18 (Tuesday) – Cruisin’ Deep Time with Kirk Johnson and Ray Troll** at the **Denver Museum of Nature and Science**, 7 p.m.; fees of \$15 or \$18. Former Colorado Paleobotanist Johnson and Alaskan artist Troll will discuss their travels in the American west and northwest and their books on dinosaurs and other fossils. <https://dmns.org>.
- **March 19 (Wednesday) Dinosaur Ridge and the Mines Museum of Earth Science** presents **Kirk Johnson and Ray Troll** for “Cruisin’ the Fossil Freeway” Presentation & Book Signing. There are two options, one for a presentation by the authors, and the other a reception and book signing. See <https://www.mines.edu/museumofearthscience/event/cruisin-the-fossil-freeway-presentation-book-signing/> for more information and to purchase tickets.



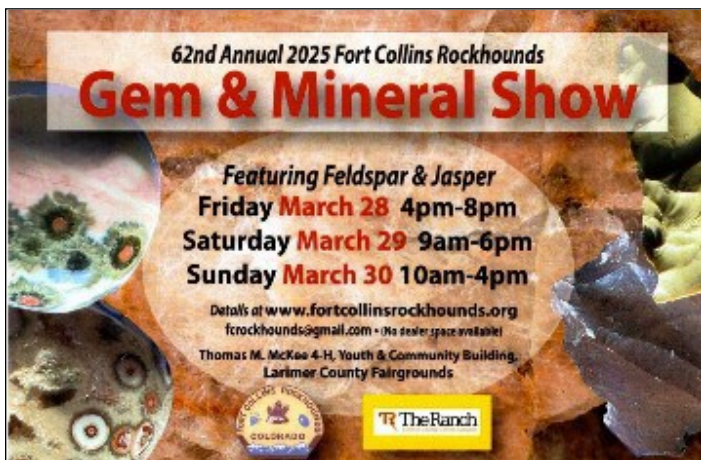
- **March 20 (Thursday)**, the program for the **Colorado Scientific Society** meeting will be **Lava Dams, Footprints, and Faults: Some Vignettes from the USGS Luminescence Dating Lab in Denver, Colorado**. Starting at 7 pm, Harrison Gray (USGS) will discuss the utility of using feldspar and quartz sand to date deep time events. <https://coloscisoc.org>

- **March 22-23 (Saturday and Sunday)** The **Western Interior Paleontological Society** is celebrating its 40th year with an amazing symposium that will look at key discoveries, new technologies, and revised opinions about research and topics in paleontology over the past 40 years. Expect a lineup of astute speakers, a potpourri of great artwork on display, and thought-provoking cases and posters.

The event will be held at Colorado School of Mines in Golden, Colorado. Remember that your participation will also help fund grants for paleontological research and education. Check out westernpaleo.org for more details. Registration is now open. *Get on board early to explore **Retrospectives: Celebrating 4 Decades of Paleo Advances***



- **March 28-30 (Friday, Saturday, and Sunday)** is the **Ft. Collins Rockhounds Annual Gem & Mineral Show**. This year's show features feldspar and jasper. The show is at The Ranch, 5280 Arena Circle, Loveland. For more information, see <http://www.fortcollinsrockhounds.org/gemAndMineralShow.shtml>.
- **April 5 (Saturday)** - Cruise along the Dinosaur Freeway to the Denver Marriott West in Golden to celebrate the *Stegosaurus* license plate with **Dinosaur Ridge**. This will not be a typical gala! It's a party we're calling: **Dinos, Diners & Drive-Ins!** In the tradition of the great American road-trip we're getting a little campy with it! And we would LOVE to see you there to celebrate together! <https://dinoridge.org/event/dinos-diners-and-drive-ins-lets-rock-out-for-the-ridge/>



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andrew.d.macgregor@gmail.com

Show Advertising and Admissions

Gerry Naugle, 303-591-2830
gnaugle@earthlink.net

Show Kid's Corner Chair

Charlotte Bourg, 970-278-0975
rckhnd4252@gmail.com

Denver Show Club Table

Anita Colin, 720-556-9889
anitacoln@hotmail.com

A friendly reminder to pay your 2025 annual dues

Dues are still only \$18 for individual and family membership. You can pay in three ways:

PAY online by credit card at [FMC Renewal](#) or via this QR code: [Issues? Email fmc.boulder@gmail.com to report the problem. You will be contacted after we resolve the problem.]

PAY Gerry Naugle, Treasurer and Membership Chair, at any FMC monthly meeting. Gerry is at or near the sign-in table when you enter the room for the monthly meetings.

SEND a check or money order made to "Flatirons Mineral Club" or "FMC" to P.O. Box 3331, Boulder, CO, 80307. Please do not send cash in the mail.



Your 2025 dues must be received by January 20th, 2025, in order to stay current with the member benefits, which include electronic club newsletters containing information about club activities, club field trips, annual show opportunities, silent auction opportunities, the annual club summer picnic, and access to the club website. Your receipt is your



Flatirons Facets
P.O. Box 3331
Boulder, CO 80307-3331

First Class Mail

Upcoming Events

Date	Activity	Location
Tuesday, March 11 at 7:00 pm	Club meeting featuring Markus Raschke speaking about the Uranium King Mine, page 2	Mountain View United Methodist Church, 355 Ponca Place in Boulder
Tuesday, March 18 at 6:30 pm	Jr. Geologists meeting about minerals we use every day, page 6	Mountain View United Methodist Church, 355 Ponca Place in Boulder
Sunday, March 30 at 1:00 pm	Wire wrapping class, page 3	Mountain View United Methodist Church, 355 Ponca Place in Boulder
Tuesday, April 8 at 6:45 pm	Annual Silent Auction, page 3	Mountain View United Methodist Church, 355 Ponca Place in Boulder
Tuesday, April 15 at	Jr. Geologists meeting about space geology, page 6	Mountain View United Methodist Church, 355 Ponca Place in Boulder
Saturday, May 3	Colorado Front Range Geology field trip, page 4	Colorado Front Range



Flatirons Mineral Club

**2025 Annual Silent Auction, starts at 6:45pm on
Tuesday, April 8th**

Seller's set-up starts at 5:45pm

**Mountain View Methodist Church, 355 Ponca Place in
East Boulder (80303) in the downstairs Barker Hall Room
*(it is the huge A-Frame looking church with south facing solar-
panels, and is located just west of Frasier Healthcare Facility
on Ponca)***

Minerals, Crystals, Fossils and Lapidary

Bring items to sell.....or just come to browse!

**Sellers: Suggest to e-mail or call Gerry Naugle ahead of time to
get a seller-buyer number, *then you can pre-fill your seller
slips.***

Gerry Naugle gnaugle@earthlink.net or 303-591-2830

See us on our website, at:

<https://flatironsmineralclub.org>

