

Friends of Mineralogy, Colorado Chapter Newsletter – September 2017

September Meeting – Thursday, September 14, 6:00-8:00 pm

Denver Museum of Nature and Science – VIP Room *Meeting at Denver Museum of Nature and Science, 2001 Colorado Blvd, City Park, Denver - VIP Room (1st floor). Enter the museum on the north side, through the security/staff entrance to the left of the main entrance. There will be no FMCC board meeting on Thursday.*

A tour of the Denver Museum of Nature & Science's new archive facilities for the mineral collection and Meet the Curators

***conducted by Dr. James Hagadorn
Tim and Kathryn Ryan Curator of Geology***

This unique meeting features a “behind the displays” guided tour of the Geology Department, Denver Museum of Nature and Science, led by the curator, Dr. James Hagadorn. The meeting will start at 6 PM in the VIP meeting room, just east of the T. Rex cafeteria in the Denver Museum of Nature and Science, City Park, 2001 Colorado Blvd., Denver, CO. The tour will last till 8 PM. If you are an out-of-state member and attending the Denver Gem and Mineral Show, this is a special opportunity to attend the meeting without extra travel. The other addition to the meeting is that the museum curators who are attending the Denver show with a special exhibit from their museum are also attending. Thus regular FMCC members and museumophiles will have the opportunity to meet and greet, and to see the new combined and merged mineral storage facilities at the museum. This new storage facility allows for viewing all the museum's minerals, both Colorado and worldwide organized by geographic locality in one video monitored room!

The event will commence in the museum's VIP room. To get there, once you arrive at the museum, please enter via the staff/volunteer entrance (to the left of the main visitor entrance) and tell the security guards that you're there for the Friends of Mineralogy meeting. They will direct you into the museum, where you'll make your first left and head for the VIP room (it is in the NE-most corner of the museum, on the first floor). Hope to see you there.

If you plan to attend, please email the FMCC president by Monday, September 11th so we can obtain an estimate of attendance numbers for the museum

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President's Message

The time for the 2017 Denver Gem and Mineral show is fast approaching! Seems like just a few weeks ago it was spring. Now the aspens are starting to turn up in the high country; fall is fast approaching which means the show is just around the corner. I hope everyone is ready.

On Wednesday Sept 13th the Colorado School of Mines Geology museum is having its annual open house. A great opportunity to enjoy the new displays and socialize with other mineral and fossil enthusiasts!

On Thursday, Sept. 14th at 6:00 pm, FMCC and the Denver Museum of Nature and Science have invited the Society of Mineral Museum Professionals to take a tour of the Geology department's now completed curation facility. All FM members, national as well as local, are invited to join this tour and socialize with museum curators and other professionals.

On November 8th at 6:00 pm the Sherman Dugan Museum of Geology in Farmington New Mexico is having a open house, to unveil a new display as well as celebrating its first 2 years.

The New Mexico Mineral Symposium at New Mexico Tech, Socorro New Mexico takes place November 11th and 12th. On Friday Nov 10th a field trip road the US 60 mine is available for symposium participants. There are informal mineral sales at the Comfort Inn, a Saturday night banquet, silent and verbal auction, and many more activities. For information call 575-835-5140. For registration call 575-835-5140.

See details online at <http://geoinfo.nmt.edu/museum/minsymp/>

Looks like another busy fall! See you all at the Denver show.

---Jeff Self, September 2017, President, Colorado Chapter, Friends of Mineralogy



Denver Gem & Mineral Show Mini Report September 2017

50th Anniversary Show

The Denver Gem & Mineral Show is only a few short weeks away. The dates are September 15th - 17th. The theme is **GOLD AND SILVER**, in honor of this being the 50th anniversary show. The location is the usual Denver Mart, 451 E. 58th Avenue (exit 215 on I-25). The Show Chair is Lesley Sebol, 720-999-1372 or lesleysebol@gmail.com.

We hope that club members are making final plans for the show. There is so much to plan for. If you are exhibiting, perhaps you are putting the final touches on that display. Are you entering a specimen found this last year for the Prospector Trophy? Are you helping with your club's display for the show? Have you decided on the specimen you are entering in the Species competition? Have you selected the specimen type you will search for at the show to complete your collection? Perhaps you will comb the dealers' booths for a specimen worthy of competition but yet in your price range. So much to think about.

Don't forget the Silent Auction is returning to the Saturday night dinner and awards ceremony. The auction will be organized and operated by Mindat.org, a non-profit organization. Proceeds from the auction will benefit Mindat.org. The Saturday night event is open to the public and is free. However, if you wish to enjoy the Western Barbecue buffet, you will need to purchase a \$1 ticket at the Information Desk in the front lobby of the Mart. Only 150 tickets will be sold. Buy your tickets early.

We hope that every club member is volunteering for the show in some way. The Show Committee has several open positions at this time. These are Signs, Show Pin, Ribbons, and Tear Down. Some persons have stepped up to cover these positions for this year but a more permanent chair is needed. Ron Snelling is assuming the Buildings and Grounds responsibility, Nick North is covering Ribbons, Dan Wray will be the lead for Tear Down, Katherine Brannan along with Nick North and Bruce Sales will handle Signs. Mike Dempsey is in charge of the Public Sector. George Daggett, a member of the Guild, is now the Grab Bag Chair. Anita Colin, a Flatirons member, is now the Volunteers Chair. All of these persons could use our help. We thank them for volunteering for these responsibilities. Everyone should know that the show is an all volunteer event. Yes, it is a little bit of work, but look at the reward! Without the Denver Gem & Mineral Show, the local activities for our gem, mineral, and fossil hobbies would be dullsville.

Don't forget the Show Committee is producing a 50 Year Retrospective about the show. It will be a 100 plus page booklet all about the 50 years of the show. The booklet will be highlighted with pictures of all kinds, stories about unique happenings, exhibits from the past that make you wonder where they are today, humorous incidents, names of many of the people who were involved with the show, brief club histories, and so much more. Everyone will want a copy.

Respectfully submitted, Judy Knoshaug, Show Secretary

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Friends of Mineralogy at the Denver Show Free Mineral Identification Booth Volunteers Needed!

The Mineral I.D. booth is FM's biggest contribution to the Denver Gem and Mineral Show. A few people have volunteered to be here, but we can use more! If you expect to have a few "free hours" at the show to help, please contact either Jeff Self (selfawareminerals@gmail.com), Pete Modreski (pmodreski@aol.com) or Mark Jacobson (markivanjacobson@gmail.com), or talk to us at the Sept. 14 meeting & museum tour. Our goal is to have the booth fully staffed throughout every day of the show.

[a photo of our booth, at the 2013 show]



Things to know about the Denver Show!

Denver Gem and Mineral Show Hours are 9-6 Friday, 10-6 Saturday, 10-5 Sunday. The show is at the Denver Mart, 451 E. 58th Avenue (exit 215 on I-25).

Friends of Mineralogy hosts the **Free Mineral Identification Booth**. We can use more volunteers here, whether you are the person who can do your best to identify that unusual sulfide or sulfosalt mineral, or just tell the average show visitor whether their specimen is calcite or quartz! See the contact info given on page 3, above .

A 100-page booklet featuring a retrospective of the 50 years of the show is being published by Lithographie, Ltd. and will be available for sale at the show.

Saturday evening at the show there will be a buffet dinner, awards program, and Silent Auction to benefit Mindat.org. Cost of the dinner is only \$1 but you *must* purchase a ticket in advance at the show to attend; attendance is limited to 150. Anyone may attend the silent auction, whether or not they have reservations for the dinner.

FM's special September meeting will be Thursday, Sept. 14, 6:00-8:00 p.m. at the Denver Museum of Nature and Science. Members of National FM and of SMMP (Society of Mineral Museum Professionals) have been invited to join us for this meeting, which will be a tour of the new home of the Museum's mineral collections in the new archive facility, led by Geology Curator Dr. James Hagadorn. The meeting will begin in the V.I.P. room, then move to the archive area.

The Colorado School of Mines Geology Museum Reception & Open House is Wednesday evening, Sept. 13, 6 to 9 p.m. at the CSM Museum, 1310 Maple St., Golden. All are invited to come and see the new exhibits prepared in time for the show, enjoy the refreshments (food, complimentary; drink, cash bar), and meet Museum staff and visiting collectors, dealers, and curators.

Free lecture programs about minerals are given at the Denver Gem and Mineral Show (Fri.-Sat.-Sun.), as well as at the Colorado Mineral and Fossil Show (talks on Tues. & Wed.) and at the Denver Fine Mineral Show (a talk at 2 p.m. on Wed., Thurs., Fri., Sat.). The schedules of talks at all three shows are listed in the Calendar of Events in this newsletter, below.

A Friends of Mineralogy (National + Colorado) social and discussion meeting will take place at the Denver Show on Saturday, Sept. 16, from 11 a.m. to 12:45 p.m. in a room in aisle K (look or ask for directions), to which all are invited. There will be refreshments!

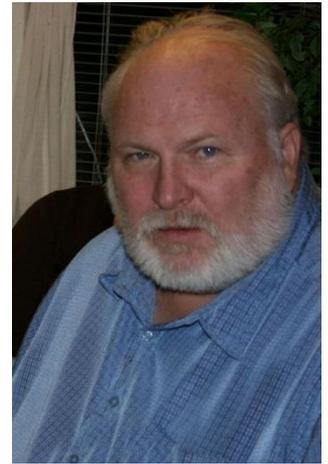


DENVER 2017
50th ANNUAL DENVER GEM & MINERAL SHOW
Gold - 20 ton lot • Fairmount Hill, Breckenridge, Summit County, Colorado • Denver Museum of Nature and Science collection • Wendell Wilson photo

In Tribute

William “Bill” Harrison

December 30, 1952 ~ July 9, 2017 (age 64)



The Colorado Mineral Society (CMS) and rock club community recently lost a good friend. Bill Harrison past away suddenly from an infection on July 9, 2017 in Littleton, Colorado. Our hearts go out to his wife Cheryl and their family.

William “Bill” Gordon Harrison, Jr. was born December 30, 1952 to William Jesse Harrison and Patricia Ann (Dillard) Harrison in Pueblo, Colorado. He married Cheryl (Schultz Krug) in 1976. Their children are Eric J. (& Debbie Arnet Sunde) Harrison, Sugar Hill, Georgia; CH (MAJ) William I. (& Rachel Liebsch) Harrison, Ft. Wainwright, Alaska; and Dustin L. (Margaret Wurzer) Harrison, Denver, Colorado. A teenage foster daughter, Jennifer (nee Wons-Glover (Greg Walker)), joined the family in the late 1980’s. Bill loved and enjoyed his grandchildren Gabriella, Mikayla, and William (children of William and Rachel) and Jackson, Archie, Lucy, and Lane (children of Jennifer and Greg).

“Billy” began elementary school in Englewood, Colorado and Junior High in Northglenn, Colorado but graduated Senior High from Douglas County High School, Castle Rock, Colorado. As a student, he played football (#75), developed a passion for the sciences, played piano (Für Elise) and attained the 4-H W.H. Danforth I-Dare-You Award. He went on to attend Colorado School of Mines. While at the Colorado School of Mines, he was active in the Search & Rescue unit and ROTC.

During his 43-year career, he worked for Natkin Construction, Stearns-Roger, Stone & Webster, Raytheon, CH2M Hill, Washington Group International, URS, and Jacobs Engineering Group. His design capabilities were sought after for many civil, power, and mining projects in many parts of the world as well as Colorado.

Bill was enthusiastic about various hobbies. Early on he added CB radio (Lucky Miner) and 4-wheeling to his love of Search & Rescue. During high school, he became a “rockhound” and within a short while had involved his entire family in the Gates Rock and Mineral Club, joining in 1971. He loved Colorado’s outdoors and field collecting was a passion.



Photo taken on Mt Antero (c. 1970 by Alice Auld). Upper row left to right: William “Bill” Harrison, unknown, unknown, William Harrison, Sr., and Leroy Lindsey. Bottom row left to right: Wes Auld, Lucy Lindsey, Robert Fredrick, and Ruth Fredrick. Photo courtesy of Mark Jacobson.

Bill served as Gate’s President for a year or two and the field trip leader for many years. The Gates club disbanded in 2007. He was the Colorado Federation of Mineralogical Societies President in 1974 and the Rocky Mountain Federation of Mineralogical Societies (RMFMS) Rules Chairman for several years. One rock club wasn’t enough and he joined Mile-High RAMs from 1973-1980. During the 1980’s he changed his club affiliations to North Jeffco Gem and Mineral Club and joined CMS in 2006. He remained a member of both North Jeffco and CMS until his death. He loved

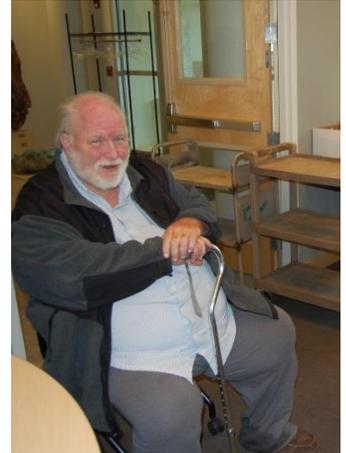
William “Bill” Harrison (continued)

rhodochrosite, wulfenite, stibnite, and tourmaline from anywhere. He loved collecting and missed it terribly over the last decade due to health reasons.

Bill also took an active part in the Denver Gem and Mineral Show (and its precursor), serving as Show Chairman in 1974 and 1988. In 1972, Bill was awarded the Gates-sponsored “Rockhound of the Year Award” at the Denver Show for all the critical Gates club positions he had held. He also the Special Activities Chairman in 1975 and then Bill and Cheryl were in charge of Signs in later years.

Bill enjoyed spending time with other mineral lovers and during retirement he volunteered weekly at Colorado School of Mines Geology Museum. Here is a statement from Bruce Geller, the Curator of the Geology Museum:

“Bill began volunteering at the CSM Geology Museum in March, 2016. He helped sort specimens, labelled them, and priced them for the Gift Shop. Bill also enjoyed organize materials for Garage Sales, especially books, and priced many of them. He loaned specimens for our Colorado calcite and Colorado quartz displays. Bill donated items to our Museum, attended our Open Houses, and enjoyed our volunteer potluck. We loved his subtle humor and wide grin. He will be missed.”



Bill Harrison at Museum Garage Sale 4/29/16.
Photo by Bruce Geller.

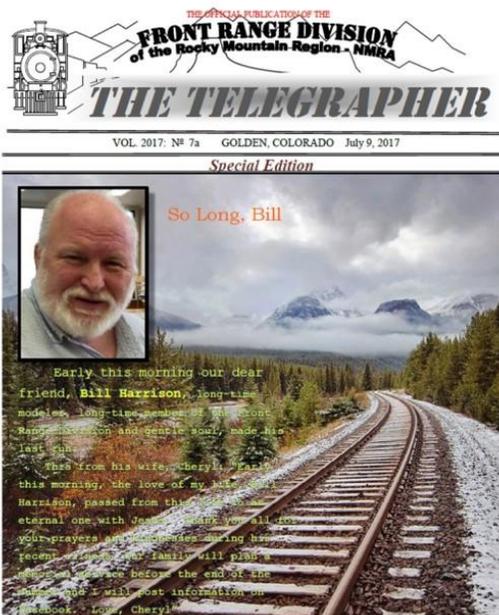
According to Cheryl, the Church family at Columbine Baptist was near and dear to Bill’s heart. Every club or activity that Bill joined was fundamentally about relationships with the people he met there. No matter what he was involved in or how you knew Bill, that he got along with you was more important to him than anything else.

He had a special love for Colorado, for its hard rock mines, especially those in Creede. He also loved Camp Bird and Black Cloud, the mines and miners as well as the minerals and ores. He had a pretty comprehensive knowledge of mining history and railroad history in the state too.

Railroading was always dear to Bill, but vision problems prevented him from following down his father’s and grandfathers’ tracks. Despite this disappointment, he cultivated a deep knowledge of Colorado railroading and Colorado history. An on-going N-Scale model railroad in the basement gave him a creative outlet following his first health crisis. He became known as a skilled model builder and loved the contributions he made to the N-Scale lay-out at the Forney Transportation Museum.

Please contact Cheryl Harrison at colo.william.harrison@gmail.com for information.

This tribute was written by Amber Brenzikofer and published in the Colorado Mineral Society *Mineral Minutes*, September 2017 issue. The tribute was prepared using information gathered from Cheryl Harrison, Mark Jacobson, and Bruce Geller.



New booklet now available on the Early Mining History of the Himalaya Pegmatite Mine

The early-day history (1896-1913) of gem tourmaline mining at the Himalaya mine, San Diego County, is rife with conflicts by men who truly believed they were on the cusp of being wealthy. This story has been buried in newspaper articles, technical reports and land documents, rarely unearthed in recent accounts. The chief actors in this drama are Lippman Tannenbaum and Jethro Goodman Braye, Jr., with secondary roles played by Charles Russell Orcutt, Archibald Edward Heighway, Jr., David Charles Collier, David L. Hoover and Frank F. Wright. Numerous minor actors in this drama had their own gem mines to exploit. This history recounts these tales from scattered repositories and starts with the discovery of colored tourmaline in California in 1872.

"The Early Mining History of the Himalaya Pegmatite Mine," as described above was serialized in the January to June 2017 monthly issues of *Mineral News*. *Mineral News* is a monthly magazine published by Excalibur Mineral Corp., 1885 Seminole Trail - Suite 202, Charlottesville, VA 22901-1160. The publisher decided that the article had sufficient reader interest to reprint it in its entirety as a combined booklet of 29 pages, with the illustrations in color, center stapled, and an 8.5 by 11 inch page format. The article has 18 figures of maps and pictures. This booklet is being sold, with mailing postage prepaid to continental USA addresses at \$15 per copy. Requests for purchase with payment can be mailed to the above address. Orders mailed to an international location should request by email postage charges.



Green and pink tourmaline, Mesa Grande, Calif.; Owned by Harvard University.

Courtesy of A. H. Petereit



Pink tourmaline in albite with lepidolite, Mesa Grande, Calif.

Theo. Henninger

Figure 16. Two Mesa Grande tourmalines sold by Albert H. Petereit of New York City. The 12.65 x 2.64 cm, sea-green to purplish-red, doubly terminated tourmaline on the left was sold to the Harvard Museum. The matrix specimen with a 4.5 x 1.1 cm, flawless pink tourmaline was sold to a private collector. (Chamberlain 1908, facing page 81).

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Calendar of coming events:

Sept. 8-16, Colorado Mineral and Fossil Fall Show, now taking place at the Crowne Plaza Hotel - Airport, 15500 E. 40th Ave. Denver, CO. Free parking and admission; hours are 9 a.m. to 6 p.m. daily (10 to 5, Sunday). For more info see: <http://www.rockygems.com/colorado-mineral-and-fossil-fall-show-2017.html>

There will be a program of lectures at this show on Tuesday and Wednesday, Sept. 12 and 13, in the Aspen Amphitheater (across from the Vail Ballroom):

Tuesday September 12

11:00 AM - John Curchin "Meteorites: Fossils of Rocks, Gems and Minerals From Outer Space"

1:00 PM - Paul Melville - "Rum Jungle" Australia

3:00 PM - Stanley L. Korzeb - "Silver mineralization of the Oro Fino Mining District, Deer Lodge County, Montana"

Wednesday, September 13

11:00 AM - Mel King - "Sunken Treasures"

1:00 PM - Scott Kleine "Silver and Gold from Nevada"

3:00 PM - Neil Larson - "Ammonites Shell Shocked! the story of ammonite predation and survival in the Cretaceous"

Sept. 9-17, Denver Coliseum Mineral, Fossil, and Gem Show, Denver Coliseum + National Western Complex; 10 a.m. to 6 p.m. daily.; see <http://www.coliseumshow.com/>

“Our show now includes both the Denver Coliseum and the adjacent National Western Complex (‘NWC’). Straddling both sides of I-70, it is the largest mineral & gem show in the USA with more than 5 miles of tables and 350,000 square feet of inside space. This year we expect 40,000-45,000 visitors and 400 to 500 dealers of all sizes. Tons of free parking and admission is absolutely free. Open to the public and families are warmly welcomed. There are 4 distinct shows here, each with a different focus:

Denver Coliseum Show = entire Denver Coliseum + Level 1 of the NWC : fossils, minerals, gems & jewelry

Denver Expo Gem Show = Level 2 of the NWC : primarily large volume wholesale

Denver Mineral Show = Level 3 of the NWC : an intimate space limited to better minerals and gems

Miner's Co-Op Show = in tents behind the NWC : direct from the miner / prospector

Together, these four shows comprise the Coliseum Show where everyone can buy fine mineral specimens, fossils, dinosaurs, gems, gemstones, lapidary, cabochons, artisan and antique jewelry, beads, crystals, meteorites, metaphysical, gold, silver, turquoise, Native American items, interior decor, metal art, miner's rough, tools, supplies, and so much, MUCH more!”

Sept. 13-16, Denver Fine Mineral Show, Denver Marriott West, 1717 Denver West Blvd.;

see <http://finemineralshow.com/denver/>. A free lecture/slide presentation will be given each day at the show, 2 p.m. in the Vail Room, First Floor, to which all are invited:

Wednesday, 2 pm: "Unusual Minerals of the Pikes Peak Batholith and other Colorado Pegmatite Localities", by Phillip Person

Thursday, 2 pm: “Emerald and Hiddenite Localities, Hiddenite, Alexander County, North Carolina”, by Mark Jacobson

Friday, 2pm: “Colorado’s Poisonous Minerals”, by Dr. James Hagadorn, Curator, Denver Museum of Nature and Science

Saturday, 2pm: “The Spans – ‘Tour de France’”, by Gail and Jim Spann

Wed., Sept. 13, 4:00 p.m. will be the third for the fall term (the first two have already taken place) of the weekly **University of Colorado Boulder, Department of Geological Sciences Colloquium**. The lecture will be “**Colorado’s Newest Mass Extinctions: Slime, Salt, and Fossil**”, by Dr. James Hagadorn, Denver Museum of Nature & Science. Talks are in the Benson Earth Sciences Auditorium (Room 180). “All are welcome; a schedule of all talks for the Fall term is at <http://www.colorado.edu/geolsci/colloquium.htm> . A Colloquium Social Hour will take place from 5-6pm in BESC 185, right AFTER the talk. Everyone is welcome! Snacks and beverages provided! Non-alcoholic beverages and snacks will be served. Donated beer from local breweries as well as cider and/or wine will be served to those 21+. We will card at this event, so please be sure to bring your ID.”

Wed., Sept. 13, 6 to 9 p.m., Annual Open House at the Colorado School of Mines Geology Museum

“The Museum invites you to attend our annual open house on Wednesday, September 13 (just preceding the Denver Gem & Mineral Show), 6 p.m. - 9 p.m. The Museum is located at 1310 Maple Street, Golden, Colorado (on the Colorado School of Mines campus). Come and enjoy our displays and visit with our Museum's Advisory Council members, prominent mineral collectors, Museum volunteers, Friends of the Museum, student aides, and even browse the expanded gift shop. Every year, the Museum changes approximately twenty percent of the exhibits to make our Museum more exciting for returning guests. As always, the event offers free appetizers and a cash bar. There is no cover charge.”

Thurs., Sept. 14, 6:00-8:00 p.m., Friends of Mineralogy September meeting; a tour of the new mineral collection archives at the Denver Museum of Nature & Science, led by Dr. James Hagadorn, Geology Curator. Members of FM (anyone is most welcome to join the society!), and visiting mineralogists and curators who belong to the SMMP (Society of Mineral Museum Professionals) who are here to attend the Denver Gem and Mineral Show, are invited to come.

Thurs., Sept. 14, “Join the Western Museum of Mining & Industry [Colorado Springs] the evening of Thursday September 14, 2017 as we celebrate the opening of a new exhibit called “**The Disappearing Mining Landscape of Grant County [New Mexico]**”! The exhibit will run from September 14th – December 9th. To celebrate the new exhibit, we will be having a special Heritage Lecture. Ann McMahan and Andrew Lindlow will speak with guests about their experience gathering the necessary information for this exhibit and the importance of preserving the history of mining in Grant County. They will talk about how they utilized photographs with geological samples to document the districts.

The lecture will begin at 7:00 pm September 14, 2017 with light refreshments served at 6:00pm.

Seats fill up quickly so we ask that those interested in attending please RSVP by calling 719-488-0880 or respond by e-mail to rsvp@wmmi.org. If you would like to learn more about the lecture or about the new exhibit, please visit www.wmmi.org/events or email info@wmmi.org with any questions.

Fri. – Sat., Sept. 15-17, 50th annual Denver Gem and Mineral Show, Denver Mart, 451 E 58th Ave., Denver, CO. **Gold and Silver** is the 2017 show theme, marking the 50th Anniversary of the Denver Gem and Mineral Show. See <http://www.denvermineralshow.com/> for full information. Hours are 9 am to 6 pm Friday, 10 to 6 Saturday, 10 to 5 Sunday. The show includes dealers, special museum and individual exhibits, gold panning for kids, a fluorescent mineral room, and more. A program of lectures at the show will be:

FRIDAY Sept. 15

11:00 – Jeff Scovil – A Photographic Album of Gold and Silver minerals
12:00 – Mark Jacobson – Denver Gem & Mineral Show: 50th Anniversary History
1:00 - Terry Wallace – Colorado Silver
2:00 - Wayne Leicht - Gold
3:00 – Ed Raines – Aspen Silver
4:00 – Virgil Lueth – New Mexico Gold

SATURDAY Sept. 16

11:30 – Evan Walsh – “The Evolution of the Theropod Dinosaurs through the Late Cretaceous”
12:00 - Pikes Peak Pebble Pups: Ben Elick, Jenna Salvat, Jack Shimon, and Quentin Stanley
1:00 – Pete Modreski – How to Start a Mineral Collection
2:00 – Bryan Lees – The Gold Dragon
3:00 – Scott Werschky – The Fire Creek Mine, Nevada: a new locality for exceptional crystalline gold specimens
4:00 – John Warn – In the Pink, Himalaya Mine Tourmalines

SUNDAY Sept. 17

11:00 – Les Presmyk – Silver & Gold in Arizona: History and Specimens
12:00 – Mel King – Shipwreck Treasure – Pieces of 8 and Gold Doubloons
1:00 – Penny Williamson – Australian Gold and Silver: Fact, Fiction & Forensics
2:00 – Richard Hauck – Fluorescent Minerals
3:00 – Bruce Geller- Telluride Minerals

P.S., we (the USGS) will have a booth here, the “Kids Corner”, with rock and mineral identification and activities for kids (or adults). I am looking for volunteers who like to help at this Kids Corner booth, to show rocks and minerals (+ demonstrations about earthquakes) to kids! If you would be willing to help on one of the days of the show, please contact me, Pete Modreski, pmodreski@usgs.gov.

In addition, Andrew Sicree, from State College, PA, will be showing his “Minerals That Do Things” booth at the show with demonstrations about the properties of minerals, and Andy would also appreciate any volunteers to help him at this booth. You may contact Andy directly at sicree@verizon.net, or I can relay any offers of help to him.

Thurs., Sept. 21, 7:00 p.m., Student Paper Night at the Colorado Scientific Society, Arbor House, at Maple Grove Park, on 32nd Ave. between Wheat Ridge and Golden (Applewood area). Oral and poster presentations on earth science topics by graduate students; all are welcome to attend. Complimentary refreshments! Social hour at 5:45, program begins at 7:00.

[formerly Fri., Sept. 22], **DATE CHANGED TO NOVEMBER 10**, the talk, **Twenty Years of Paleontological Adventure & Discovery on the Great Red Island, Madagascar**. by Raymond Rogers in the Denver Museum of Nature & Science Earth Science Colloquium Series, originally scheduled for this date has been **rescheduled to Friday Nov. 10** (3:00 p.m.).

Sat., Sept. 23, 8 a.m. – 4 p.m., a field trip for science educators in Colorado Springs, “**Geology as Seen in Building Stones, Monuments, and Mountains in Colorado Springs**”, led by Dr. Pete Modreski, USGS. Sponsored by PALS, Peak Area Leadership in Science, Professional Development Opportunities for Secondary Science Teachers. Attendance is limited. For more information see the PALS website, www.sciencehubs.org, or contact Tammy Johnnie, tammy@sciencehubs.org or 719-337-1552.

Fri., Sept. 29, 6:30 p.m., **Space: The Next Frontier in Mining!** by Dr. Joe Sercel, founder & CEO of TransAstra Corporation. A free public lecture sponsored by the National Mining Hall of Fame and Museum, Leadville CO. At the Lake County High School Auditorium, 1000 W. 4th St., Leadville.

Sun., Oct. 1, 6-9 p.m., **Dinosaur Ridge Scientific Spelling Stomp, at Denver Museum of Nature & Science; An All-Ages Competitive Spelling Bee**

- Event Profile: A fun-filled event for students, families, teachers, and science lovers from all walks of life to promote scientific literacy in our community.
- All words related to paleontology, geology, or science
- Teams of 2-4 people, all ages, will enter to compete for prizes and the glory of the Dinosaur Ridge Scientific Spelling Champion title.
- Sponsored by Colorado Chemistry Teachers Association (Additional sponsorships are available. Contact Sara Miller at 303-697-3466 x107 or development@dinoridge.org)
- Date and Time: Sunday, October 1, 6-9 p.m.
- Location: Denver Museum of Nature and Science (Ricketson Theatre and Schlessman Lobby)
- Beneficiaries: Friends of Dinosaur Ridge educational and transportation programs
- Team registrants: \$40 per adult, \$25 per student (food and drink and official t-shirt included) Register at: <http://www.dinoridge.org/spelling-bee.html>
- \$15 for attendees (non-teams) (food and drink included) Tickets available at: <http://www.dinoridge.org/spelling-bee.html>
- Special guests: Steve Spangler (local science personality, owner Steve Spangler Science); Sylvie Lamontagne (spelling coach, 2-time Colorado spelling bee Champ, 4th place 2016 Scripps National Bee); Scott Isaacs (spelling coach, Champion, 1989 Scripps National Bee)

Mon., Oct. 9, Graham Young (Manitoba Museum), **Tropical fossils from the edge of the Arctic**. Denver Museum of Nature & Science Earth Science Colloquium Series; VIP Room, DMNS.

Oct. 8-14 is **Earth Science Week**, sponsored by the American Geoscience Institute and many cooperators (including the USGS). See more about it at <http://www.earthsciweek.org/>, including about public activities taking place in many towns throughout the U.S. One of these will be a **Geology Hike** to be held in the Golden-Morrison-Lakewood area, led by USGS Geologist Pete Modreski, probably to take place on Sunday afternoon, October 8; details will be available later.

USGS also has available free copies of the **2017 Earth Science Week Teachers Packet**, containing classroom material (posters, calendars, activity ideas, etc.) for school or other educational use. The theme of the 2017 packet is “**Earth and Human Activity**”. Educators can pick up a copy at the USGS Library, Building 41, Denver Federal Center, Lakewood, CO, at the Reference Desk. The library is open 8 to 4 p.m. weekdays (closed on Federal holidays); see <https://library.usgs.gov/denlib.html> for directions. We will also have copies of the packet to give out at the USGS booth at the Denver Gem and Mineral Show (Sept. 15-17) and at the Colorado Science Conference (Nov. 17). Most of the material in the packet is aimed at middle to high school level students.

Sat., Oct. 14, Dinosaur Discovery Day, public tour day at Dinosaur Ridge, featuring **Girl Scout Day/National Fossil Day**, 10 a.m. – 2 p.m. “Girl Scouts of all levels can earn badge requirements. Girl Scout registration information will be posted as soon as the event is finalized. We’ll also be celebrating National Fossil Day with the National Park Service and many other special guests! Hands-on activities at the Visitor Center for all ages, and scientists will be along the Ridge interpreting fossils and geology for all attendees. Public welcome!” **Contact: Erin LaCount – tours@dinoridge.org**

Sat., Oct. 14, 8 a.m. – 5 p.m., **Bighorn Sheep Canyon Geology Bus Tour , Arkansas River between Salida & Cañon City**. Arkansas Headwaters Recreation Area (AHRA) Volunteer Geologist Bob Hickey will narrate an all-day bus tour on the geology of Bighorn Sheep Canyon between Salida and Cañon City on Saturday, October 14, 2017. The bus will depart Cañon City at 8:00 AM on US-50 and travel up the Arkansas River to the Salida East Recreation Site, then begin a slow return trip that will include a narrative description of the canyon’s unique geologic features as well as several stops where tour participants may get off the bus to view the geology up-close. A Public-Address system will be used and a printed tour-guide provided to aid in understanding.

The event, part of Fremont Fall Heritage Days, is sponsored by the Fremont County Historical Society (FCHS) with cooperation from the Arkansas Headwaters Recreation Area (AHRA) and the support of Raft Masters, who is providing the bus. Registration fee for the tour is \$40, which may be paid by check to FCHS, PO Box 965, Cañon City,

CO 81215. Lunch will be available but it is priced separately. The tour is limited to 43 participants. This is a Hold the Date announcement while final arrangements are being made.

Registration information, itinerary, tour details and additional information will be available soon at <https://www.fremontheritage.com/>. Look for the Bighorn Sheep Canyon Geology Bus Tour under Events. Further information is available from FCHS and (719) 285-8284.

Thurs., Nov. 2, Jaelyn Eberle (University of Colorado, Boulder), **Life at the Top of the Eocene Greenhouse World.** Denver Museum of Nature & Science Earth Science Colloquium Series; VIP Room, DMNS

Fri., Nov. 10, 3:00 p.m., Raymond Rogers (Macalester College), **Twenty Years of Paleontological Adventure & Discovery on the Great Red Island, Madagascar.** Denver Museum of Nature & Science Earth Science Colloquium Series; VIP Room, DMNS; all are welcome, and museum admission is not required to attend. *[this talk had originally been scheduled for Sept. 22; data was changed]*

Nov. 11-12, 38th **annual New Mexico Mineral Symposium,** at New Mexico Institute of Mining & Technology, Socorro, NM; see <https://geoinfo.nmt.edu/museum/minsymp/home.cfml>

Thurs., Nov. 16, FM-Colorado Chapter bimonthly meeting, 7:30 p.m. at VIP Room, DMNS

Nov. 17-19, Denver Area Mineral Dealers Show, Jefferson County Fairgrounds, Golden CO.

For more lecture series during the year see:

CU Geological Science Colloquium (Wednesdays, 4 p.m.) see <http://www.colorado.edu/geolsci/colloquium.htm>

CSU Dept. of Geoscience Seminars (Fridays, 4 p.m.), see <http://warnercnr.colostate.edu/geo-news-and-events/department-seminars>

Van Tuyl Lecture Series, Colorado School of Mines, (Tuesdays, 4 p.m.): http://inside.mines.edu/GE_Lecture-Series

Denver Mining Club (Mondays, 11:30), see <http://www.denverminingclub.org/>

Denver Region Exploration Geologists Society (DREGS; 1st Monday, 7 p.m.), <http://www.dregs.org/index.html>

Rocky Mountain Map Society (RMMS; Denver Public Library, Gates Room, 3rd Tuesday, 5:30 p.m.), <http://rmmaps.org/>

Rocky Mountain Micromineral Association, <http://rocky-mountain-micromineral-association.com/>

Western Interior Paleontology Society (WIPS; Denver Museum of Nature & Science, 1st Monday, 7 p.m.),

<http://westernpaleo.org/> .

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Notes about FM

Annual Dues to Friends of Mineralogy, Colorado Chapter are \$15.00, or \$25.00 for a family; this includes membership in the national organization, Friends of Mineralogy, Inc.. (After many years of dues at \$13, we have *finally* raised them just to \$15, and created a new category of Family Membership for \$25.) New members are *always* welcome! To pay dues, mail a check for \$15 or \$25 to FM-Colorado Chapter, P.O. Box 234, Arvada, CO 80001-0234; please include your name, email address and mailing address; or pay in person at one of our meetings. Attach a copy of our membership form (in this newsletter, or available on our FMCC website under “Membership”), especially if you want to update your information. All our newsletters and mailings are normally sent by email, unless the member is unable to receive them that way. If you are uncertain about your membership status, please contact our Treasurer, Gloria Staebler, gastaebler@aol.com, 303-495-5521. *Now* is the time to pay your dues for 2017!

See our Colorado Chapter website: <http://friendsofmineralogycolorado.org/>

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Dates for 2017 FM Colorado Chapter activities:

Meetings are normally held at 7:30 p.m. on the 2nd Thursday of alternate (odd-numbered) months, at the VIP Room in the Denver Museum of Nature and Science. The dates are sometimes shifted in September and November so as not to conflict with the Denver Gem & Mineral Show and the New Mexico Mineral Symposium. Visitors are *always* welcome at our meetings!

Meeting dates for 2017:

Jan. 12, FM meeting

Mar. 9, FM meeting

May 11, FM meeting

May 13, FM Silent Auction, Clements Community Center, Lakewood

Sept. 14, , FM meeting – Museum Tour, starts at 6 p.m.

Sept. 15-17, Denver Gem and Mineral Show; 2017 show theme, “Gold and Silver” (50th anniversary)

Nov. 16, FM meeting

Friends of Mineralogy, Colorado Chapter, 2017 officers

President:	Jeff Self, selfawareminerals@gmail.com
Vice President:	Bob Hembree, rhembree@comcast.net
Secretary:	Alan Keimig, alan.keimig@gmail.com, 303-755-9604
Treasurer:	Gloria Staebler, gastaebler@aol.com, 303-495-5521
Denver Museum N&S Liaison:	Alan Keimig, alan.keimig@gmail.com, 303-755-9604
DG&MS Council Trustee:	David Bunk, dave@davebunkminerals.com
FMCC Newsletter:	Peter Modreski, pmodreski@aol.com, 303-202-4766
Field trip planner (not field trip leader):	unfilled
FMCC Website:	unfilled
Postings for the FM national facebook page:	unfilled
At-large voting board members:	

Larry Havens, lwrnchavens@comcast.net, 303-757-6577

Don Bray, don_bray@copper.net , 303-681-3646

Ed Pederson, mineraljeep@aol.com

Mark Jacobson, markivanjacobson@gmail.com, 1-337-255-0627

Plus one unfilled position



Prospective members for the Colorado Chapter, please send this form with your check to the address below. This form may also be used to renew your membership. Membership in the local chapter includes membership in the National Society. A local chapter member does not need to live within the area. Membership lists are not shared outside of the organization. Membership in the local chapter provides membership in the Rocky Mountain Federal of Mineralogical Societies (RMFMS) with its associated group 3rd party liability insurance for field trips.

Note: Dues have increased for 2017: Please mail annual dues of **\$15 for an individual**, or **\$25 for a family** made out to **Friends of mineralogy, Colorado Chapter** to:

Ms. Gloria Staebler

Friends of Mineralogy - Colorado Chapter
P.O. Box 234
Arvada, CO 80001-0234

Please complete the following for new members.

Last Name: _____ First name: _____

Middle name (optional): _____

Street Address (used for mail): _____

City: _____ State or Province: _____

County: _____ Zip or Postal Code: _____

Telephone (land line): _____ Telephone (Cell phone): _____

Email address: _____

Signature: _____ Date: _____

My primary area of interest is: _____

Chapter and National newsletters will be sent to you by email unless you request a paper copy to be mailed. _____ Please note that mail newsletter as sent as a black and white paper copy.

Friends of Mineralogy Colorado Chapter is affiliated with the Mineralogical Record Magazine, The Mineralogical Society of America (MSA), the American Geological Institute (AGI), Rock and Minerals magazine, the American Federation of Mineralogical Societies and the Rocky Mountain Federation of Mineralogical Societies.

Friends of mineralogy, INC. is composed of member of local chapters, of which in 2014, seven chapters existed. Members may affiliate with any chapter or none. Local chapters issue newsletters as does the national organization.