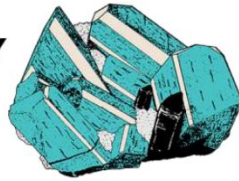


**FRIENDS OF MINERALOGY
COLORADO CHAPTER**



January 2020 Newsletter
Meeting: Thurs., Jan. 9, 7:30 p.m.
All are welcome!
Berthoud Hall Room 109, CSM

Our Chapter's meeting place for the year:

Berthoud Hall, room 109, Colorado School of Mines campus, Golden. We've moved to the CSM campus. Parking on CSM campus streets and parking lots is free after 5 p.m.; parking along Maple or Illinois Streets should work well, or you may use campus parking lots—the closest is Lot D, west of Elm St. Berthoud Hall is at 16th St., between Illinois & Maple; the address is 1516 Illinois St. You may enter either from the east (Illinois St.), north, or west (Maple St.) sides. Go to the lower level, the 1st floor.

January 9 program, 7:30 p.m.:

The Pala Gem Pegmatite District, San Diego County, California

by Ryan L. Bowling



[left] Elbaite, Tourmaline Queen Mine, Tourmaline Queen Mountain, Pala, Pala Mining District, San Diego County, California, USA This is a wonderful kaleidoscope tourmaline, with such an array of interesting colors. From the "Six Pack Pocket" in 1984. I remember sitting at Byron's house many evenings, enjoying these crystals. Crystal measures 5.8cm by 3.8cm by 3.8cm

[right] Elbaite, Himalaya Mine, Gem Hill, Mesa Grande Mining District, San Diego County, California, USA. This comes from my favorite pocket from the mine, The Presidents Day Pocket. 4.7cm tall. Tourmaline Queen Mine, Tourmaline Queen Mountain, Pala, Pala Mining District, San Diego County, California, USA



from Ryan's Mindat.org home page:

I have been collecting minerals for 30 years, starting in Michigan at the age of 9. The real collecting started when my family moved to Vista in San Diego County, California. I was captivated by the beauty of the Pala pegmatite minerals, and set out to collect in many places. I collected at many of the mines and small prospects in San Diego County. During high school, I spent countless days digging pegmatites in California and Mexico.

Upon graduating high school, I enrolled at the Colorado School of Mines in Golden, Colorado. While there I extensively collected throughout Colorado, Utah, Idaho, Arizona, New Mexico, Arkansas, Mexico, and Montana. I even managed to graduate in four years, with an Engineering degree.

I consider myself a field collector first and foremost, with purchasing of minerals for the collection secondary. Even today, I spend many days each year field collecting, albeit less than in my past.

I have posted a few of the collection's pieces for everyone to see.

Enjoy! [see Ryan's Mindat page at <https://www.mindat.org/user-4275.html>]

Ryan Bowling:

Ryan is an Engineer by formal education, having graduated in 1996 with a B.S. Engineering from the Colorado School of Mines, and a self-taught pegmatite specialist. For the past 23 years he has been working in the field of Industrial Automation to support his mineral endeavors. While at the Colorado School of Mines, Ryan was the Field Trip Chairman for the Association of Geoscience Students. Ryan has been heavily involved in many mining projects with his mining partner Paul Geffner, the most recent one being the Jackson's Crossroads amethyst mine. He continues to be an active field collector, who is passionate about the exploration of new localities.



Growing up in Vista and San Clemente, California, Ryan Bowling has spent countless hours collecting the Stewart, Chihuahua Valley, and Little Three Mine pegmatites. Learning from southern California miners such as Louis Spaulding Jr., Byron Weedge, Blue Shepard, along with exposure to the great collections assembled by Bill Larson, Cal Graeber, Chuck Houser, and the L.A. County Museum of Natural History. Ryan developed an appreciation of southern California pegmatite minerals and a field-level knowledge of complex gem crystal pegmatites, Pala was Ryan's home away from home until he officially moved to Colorado, where he uncovered many beautiful pockets.

Ryan will take us through an overview of the famous mines and claims of the Pala District, reviewing some of Pala's most famous finds.

* * * * *

Additions to the November 2019 FMCC newsletter:

Due to some poor communication on my part (Pete, the newsletter editor) I neglected to add several items that should have been included in our November newsletter. Mark Jacobson has prepared a “revised” November newsletter that includes these items—about 8 additional pages. They include:

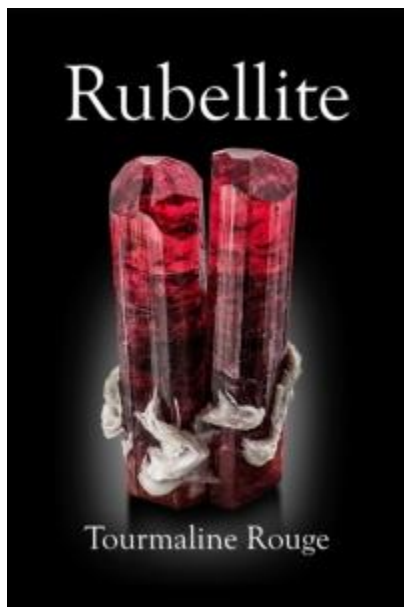
- Special award winners at the 2019 Denver Gem and Mineral Show
- The FMCC mineral journal reprinting project -- April 2019
- Donations to the FMCC silent and oral mineral auction: society annual fund raiser May 2019
- FMCC new membership badges – first and second batches October 2019
- Membership report (October 2019)
- Status of Gilman mine, Eagle County, CO photograph project
- Dudley Blauwet’s autobiography (speaker at our September meeting, on Vietnam gem minerals)

You can find the revised newsletter on our Chapter website, at http://friendsofmineralogycolorado.org/wp-content/uploads/2014/03/2019-November-FM-newsletter_revised.pdf, and I am also attaching a copy via email along with this newsletter, as a separate pdf file. Happy reading!

--- Pete Modreski, editor

You might like to know – new book and calendar available from Gloria Staebler’s Lithographie Ltd:

Newly published (2019) by Lithographie is No. 20 in their Mineral Monograph Series, “*Rubellite, Tourmaline Rouge*”, 140 p. with many superb color photographs. Also



available from them is their 16- month calendar for 2020 (Nov. 2019 through Feb. 2021), *Minerals of Colorado*. (I especially love the cover photo!---ed.) You can order these and other of their publications online, or stop and see them at their Lithos shop at 5695 Yukon St., Arvada, or at



their booth at the Tucson Gem and Mineral Show. Scheduled for publication in spring 2020 is their Mineral Monograph No. 21, *Agate – Banded Beauty*, as well as *The Pinch Collection at the Canadian Museum of Nature* by Michael Bainbridge (there is a preorder discount for both; see <https://www.lithographie.org/>).

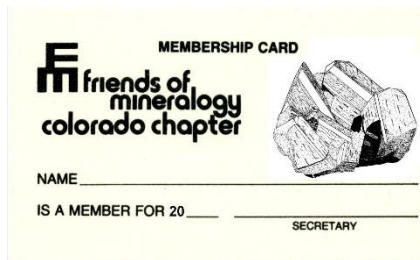
* * * * *

Dues for 2020: To become a member or to renew your membership for 2020 in the Colorado Chapter of Friends of Mineralogy, please send us your dues payment using the membership form included as a separate attachment with this newsletter, or, see our website, <https://friendsofmineralogycolorado.org/> . Dues are \$15 for individual, \$25 for a family. Dues automatically include membership in the National organization, Friends of Mineralogy, Inc.

Our mailing address for dues and other correspondence is now:

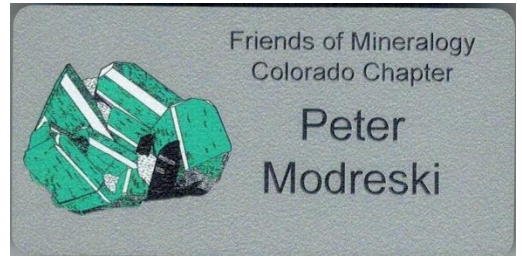
Friends of Mineralogy – Colorado Chapter
c/o Mark Jacobson
1714 S. Clarkson St.
Denver, CO 80210

* * * * *



Mark Jacobson has prepared new membership cards for FMCC! If you don't have one, hand-filled-in for 2020, or haven't otherwise recently written a check to FM for \$15, then you probably haven't paid your dues for the new year! Then get yours at the January meeting.

If you haven't noticed—Mark Jacobson has had new Colorado Chapter-FM membership badges made for our current members and is distributing them at our regular meetings. If you haven't picked up yours yet—see Mark at the next meeting! They have a metal backing with a high-strength magnet bar that holds the badge on, inside your shirt or jacket—a “very cool” design!



* * * * *

Membership report (January 2020)

At the end of December 2019, FMCC had 69 members which includes our paid members (66) and our 3 lifetime members- Jack Murphy, Marty Zinn, and Kaye Thompson. The 21 previous members who never paid for their 2019 membership have been dropped from our 2020 bulletin mailing list.

In addition, for 2020, we currently have 16 total members paid so far, including those who paid in 2019 for a 2020 membership and our 3 lifetime members.

The Treasurer strongly encourages all members from last year who have not paid their 2020 dues to please mail it in using the new mailing address as shown in both this newsletter and our website.

---Mark Jacobson, Treasurer

Our new mailing address is:

Friends of Mineralogy – Colorado Chapter
C/O Mark Jacobson
1714 S. Clarkson street
Denver, CO 80210

* * * * *

FMCC Chapter member deceased: William Ross Moore, Lake Jackson, Texas, 1938-2019

A member of our chapter for some years, but with whom I believe not many members were acquainted, William Ross Moore passed away on July 27, 2019, at the age of 81; we just learned of his death. As you'll read below, William had a serious interest in San Juan Mountains mining history and minerals, and I believe he first joined our chapter after attending one or both of our symposia that took place in the San Juans, either the one in Creede (2010) and/or the one in Ouray (2014).

The following is extracted from his obituary published at <https://www.dignitymemorial.com/obituaries/clute-tx/william-moore-8792721>:

“After graduating from Southwest Texas State, he immediately began his career with the Dow Chemical Company in Freeport, retiring 28 years later as a senior research leader. He was a “hands-on” technical chemist and designed and built numerous mini and pilot plants. Holder of 13 U.S. and several foreign patents, he made significant contributions to Dow’s monomer/polymer processes/ production.

“Ross’s main hobby was mineralogy, specializing in the minerals of the San Juan Mountains in Colorado. He donated his 7000 volume Mining History Library of the American West to the Ouray County (Colorado) Historical Society Museum and his mineral collection to the Creede Colorado Underground Mining Museum for public use. He donated his mining ore samples to Texas A&M Geology Department.”

* * * * *

FM Colorado Chapter meetings, 2020:

Meetings are normally held at 7:30 p.m. on the 2nd Thursday of alternate (odd-numbered) months. Our meeting location is now Berthoud Hall Room 109, at 16th and Illinois Streets, Colorado School of Mines campus, Golden. Meeting dates may be shifted in September and November so as not to conflict with the Denver Gem & Mineral Show or the New Mexico Mineral Symposium. Visitors are *always* welcome at our meetings!

Planned meeting dates for 2020 will be:

Jan. 9, 2020, Ryan Bowling, “The Pala Gem Pegmatite District, San Diego County, California”

Mar. 12, Scott Werschky, mineral dealer, “Miner’s Lunchbox”; topic TBA

Thurs., May 14, FM meeting, topic TBA

Sat., May 16, FM Silent Auction, Wheat Ridge United Methodist Church, 7530 W. 38th Ave., Wheat Ridge

Thurs., Sept. 10, FM meeting, topic TBA

Sept. 18-19, Denver Gem and Mineral Show; 2020 show theme, “Fabulous Fluorite” (53rd annual show)

Thurs., Nov. 19, FM meeting, topic TBA [probable date, to avoid conflict with NM Mineral Symposium]

* * * * *

You are invited to submit suggestions of names (volunteering yourself, or others) as FMCC officers or directors for 2020! Please get in touch with the President Bob Hembree, or any other Chapter officer. We need a new candidate for the position of Secretary—volunteers are welcome! We’ll vote to confirm 2020 officers and directors at our January meeting.

* * * * *

Friends of Mineralogy, Colorado Chapter, 2019 officers:

- President:** Bob Hembree, rhembree@comcast.net, 720-201-5486
- Vice President:** Gloria Staebler, gastaebler@aol.com, 303-495-5521
- Treasurer:** Mark Jacobson, markivanjacobson@gmail.com, 1-337-255-0627
- Secretary** Ed Pederson, mineraljeep@aol.com
- DG&MS Council Trustee:** David Bunk, dave@davebunkminerals.com;
Alternate, Mark Jacobson
- Newsletter editor:** Peter Modreski, pmodreski@aol.com, 720-205-2553
- Field trip planner** (not field trip leader): unfilled
- FMCC Website:** unfilled
- Postings for the FM national facebook page:** unfilled
- At-large Directors:**
 - Don Bray, don_bray@copper.net , 303-681-3646
 - David Bunk, dave@davebunkminerals.com
 - Larry Havens, lwrnchavens@comcast.net, 303-757-6577
 - Peter Modreski, pmodreski@aol.com, 720-205-2553
 - Jeff Self, selfawareminerals@gmail.com, 303-898-7539

* * * * *

Calendar of Coming Events, 2020

Thurs., Jan. 9, 7:30 p.m., bimonthly meeting of the Friends of Mineralogy, Colorado Chapter: “**The Pala Gem Pegmatite District, San Diego County, California**”, by Ryan Bowling. All are welcome; Berthoud Hall, Room 109, Colorado School of Mines campus, Golden.

Mon., Jan. 13, 7:00 p.m. (social time at 6:00), DREGS (Denver Region Exploration Geologists Society) monthly meeting, “**DREGS GOES TO IRELAND - The Irish Zn Pb Orefield**”, by Drs. Paul Bartos and John Dreier. Berthoud Hall room 241, CSM campus, Golden; all are welcome. See <http://www.dregs.org/index.html>.

Thurs., Jan. 16, 4:00 p.m., Van Tuyl Lecture series at CSM, **Diverse Environments of Advanced Argillic Alteration (Mineral Stabilities; Hypogene, Steam-heated, and Supergene Formation; Exploration Implications)**, by Antonio Arribas, University of Texas at El Paso. Berthoud Hall room 241; all are welcome.

Thurs., Jan. 16, 7:00 p.m., **Deciphering the timing and causes of Great Unconformity erosion: An example from Pikes Peak, Colorado**, by Rebecca Flowers, Univ. of Colorado. At the monthly meeting of the Colorado Scientific Society, Berthoud Hall (*new meeting place for CSS!*) Room 241, Colorado School of Mines campus, Golden; all are welcome; come for social time & refreshments at 6:30, meeting at 7:00. See abstract & more info at <https://coloscisoc.org/>.

Thurs., Jan. 30, 4:00 p.m., Van Tuyl Lecture series at CSM, **The Rare Earth Elements: A Tale of Plumes, Magmas and Aqueous Fluids**, by A. E. Williams-Jones, McGill University, Montreal, Quebec. **Berthoud Hall room 241; all are welcome.**

Feb. 13-16, 66th Annual Tucson Gem and Mineral Show, sponsored by the Tucson Gem and Mineral Society (TGMS), Tucson Convention Center, Tucson, AZ. “The main show” in Tucson; other, commercial shows, in the city are open beginning January 26, 27, 28, 29, or earlier.

Thurs., Feb. 20, 7:00 p.m., **Petrologic evolution of Platoro magmatic system after the eruption of the Chiquito Peak Tuff, San Juan Volcanic Locust, Colorado**, by Amy Gilmer, US Geological Survey. Monthly meeting of the Colorado Scientific Society, Berthoud Hall Room 241, Colorado School of Mines campus, Golden; all are welcome; social time & refreshments at 6:30, meeting at 7:00.

Fri.-Sat.-Sun., Feb. 28-Mar. 1, 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.

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.

Fri.-Sat.-Sun., Apr. 10-12, 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.

Fri.-Sat.-Sun., June 5-7, 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. Hours: noon-7 pm Fri., 10-5 Sat, 10-4 Sun. Adult admission \$5.

* * * * *

For more lecture series during the year see:

Colorado Café Scientifique in Denver, monthly lectures on science topics held either at Blake Street Station or Brooklyn’s, Denver; open to the public, no charge other than refreshments you may choose to purchase; see <http://cafescicolorado.org/>.

Colorado Scientific Society (3rd Thursday, 7 p.m.), see <http://coloscisoc.org/> . Meets at Berthoud Hall Room 241, CSM campus, Golden, except when noted otherwise.

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

CSU Dept. of Geoscience Seminars (Fridays, 4 p.m.), see <https://warnercnr.colostate.edu/geosciences/geosciences-seminar-series/>

Van Tuyl Lecture Series, Colorado School of Mines, (Thursdays, 4 p.m.): <https://geology.mines.edu/events-calendar/lectures/>

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

Denver Museum of Nature and Science, Earth Science Colloquium series, 3:00-4:00 p.m., VIP Room unless noted, meeting dates and day of the week vary. Museum admission is not required;

see <http://www.dmns.org/science/research/earth-sciences/>

Denver Region Exploration Geologists Society (DREGS); usually 1st Monday, 7 p.m., Room 241 Bethoud Hall, CSM campus, Golden; <http://www.dregs.org/index.html>

Florissant Scientific Society (FSS); meets monthly in various Front Range locations for a lecture or field trip; meeting locations vary, normally on Sundays at noon; all interested persons are welcome to attend the meetings and trips;

see <http://www.fss-co.org/> for details and schedules.

Friends of Mineralogy, Colorado Chapter, usually meets on the 2nd Thursday of odd-numbered months, 7:30 p.m., Berthoud Hall Room 241, CSM campus, Golden; see <https://friendsofmineralogycolorado.org/>.

Golden Beer Talks (2nd Tuesday, 6-8 p.m.), at the Buffalo Rose, 1119 Washington Ave., Golden. Doors open at 6; Talk begins at 6:35; Intermission – 7-7:15; Q&A/clean up 7:15-8. “Golden’s grassroots version of TED talks, Expand your mind with a beer in your hand”, <http://goldenbeertalks.org/>

Nerd Night Denver is a theater-style evening featuring usually 3 short (20-minute) TED-style talks on science or related topics; held more-or-less monthly at the Oriental Theater, 4335 W. 44th Ave., Denver; drinks are available; for ages 18+. Admission is \$6 online in advance, \$10 at the door. See <https://www.nerdnitedenver.com/> .

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

Western Interior Paleontological Society (WIPS); beginning January 2020, WIPS will meet on the 1st Monday of the month, 7 p.m., in Petroleum Hall, Green Center, 924 16th St., Colorado School of Mines campus, Golden

See <http://westernpaleo.org/> .

* * * * *

Three more items to share:

USGS Seminar Series USGS has just announced our schedule of talks in the USGS Rocky Mountain Science Seminar series for 2020. Visitors are welcome to attend. The seminars take place in the Building 25 lecture hall on the Denver Federal Center, normally (all but one, Wed. Jan. 22) every two weeks on Tuesday mornings, 10:30 to 11:30. Please contact Pete, at pmodeski@aol.com, and I’ll send you a copy of the whole schedule, Jan. 7 through May 12, 2020. The next seminar is Wed., Jan. 22, “Tracking Anoxia in Ancient Oceans”, by Dr. Kim Lau, Univ. of Wyoming. The seminars are also livestreamed online, but this is only accessible for USGS staff through their internal network.

Grand Canyon Float Trip July 19-28 Lew Kleinhans (member of DREGS and other societies) asks me to share that he is once again organizing a 9-day Grand Canyon float trip with a geological perspective: “The “*Deep Time*” perspective that the Grand Canyon conveys is crucial for envisioning a sustainable future, as we struggle with many issues such as climate change, extinctions, and resources.” – Lew Kleinhans, 720-273-9233, lewis.oysterclub@gmail.com

For a copy of a flier with more info about the trip, contact Lew (as above) or myself (Pete).

Book from Golden Publishers (John Lufkin): “Special New Years Book Offer”: Tucson Mineral and Fossil Show, 2nd ed.; \$25/copy, including postage (within the U.S). First printing of only 25 copies, Jan. 15, 2020. For a flier with more info (a contents list of the 12 mineral and fossil dealers profiled in the book) or to reserve a copy, contact John at lufk3@comcast.net.