



January 2018 Newsletter
Meeting: Thurs. Jan. 11, 7:30 p.m.
All are welcome!
At a new meeting place:
Lakeview Event Center, 7864 W.

Jewell Ave. Lakewood CO (*see below)

Presentation:

Beyond the Four Cs, a Diamond Alphabet

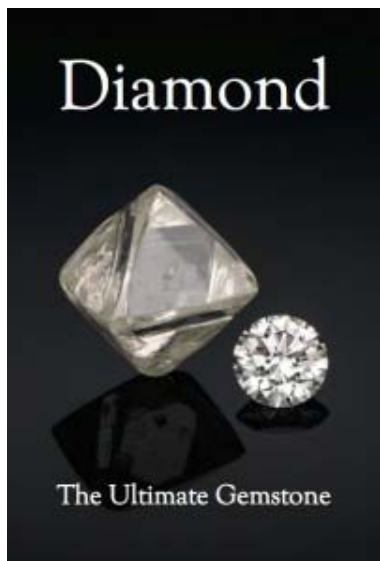
Gloria Staebler

Everyone is familiar with the 4Cs of faceted diamonds - color, cut, clarity, and carat - established by the jewelry industry in the 1940s. But for collectors diamonds hold a whole alphabet of characteristics. From Arkansas to Zimbabwe, diamonds are embedded not just in our cratons but in our cultures. Diamonds are scientific and archeological breadcrumbs that have shaped what we know of our planet and our past in ways you may have never imagined, and with diamond technologies coming to the fore, they may likewise shape our future. This talk will touch on the tantalizing tentacles of diamond.

Gloria Staebler is a publisher of natural history books and periodicals via the publishing company, *Lithographie*, including the popular *Mineral Monograph* series, which in February 2017 released its acclaimed 19th volume: "Diamond—The Ultimate Gemstone." Gloria holds a Bachelor's Degree in Math and Computer Science from Wesleyan University in Middletown, Connecticut. Having spent 10 years as a mineral dealer, she found her calling in editing and publishing for this niche market in 2001. She and husband Dave Bunk co-own Lithos, a mineral and fossil hobby shop in Arvada.

The monograph, *Diamond – the Ultimate Gemstone*, 152 p., contains contributions by some 21 authors and coauthors. Chapters include “Geology of diamond”, “The magnificent mineralogy of diamond”, “On the beauty of defects”, “Diamonds as gemstones”, “Diamonds in Africa”, “Crater of Diamonds”, “Diamonds in Russia”, “Argyle diamonds”, “Colorado Diamonds”, “Laboratory-grown diamonds”, “Diamonds in the sky”, and “Diamond heists”.

Left, cover of “Diamond” monograph; center, diamond crystals, Argyle mine, Western Australia, courtesy Rio Tinto Mining and Lithographie; right, Gloria Staebler.



***Event Center: 7864 W. Jewell Ave.—**
south side of
Jewell, 1/5 mile
west of
Wadsworth, west
of the King
Soopers shopping
plaza. Turn
south across
from Wendy’s,
into Lakeview
Village Center;
front entrance
faces west.



President's Message

Hello fellow FMCC members,

I hope everyone had a wonderful Holiday Season, surrounded by family and friends.

As we have tried to broadcast to all our members, FMCC will be meeting at a new location for our future meetings. We are hoping our new location, near the intersection of Jewell and Wadsworth, will work well for us. Directions, and a map, will be found elsewhere in the newsletter.

The FMCC Board of Directors has authorized the purchase of 100 copies of the new book "The Denver Gem and Mineral Show: A 50 year retrospective". Every member of the Friends of Mineralogy, Colorado Chapter, will receive a copy of this publication for free. A gift from FMCC to our membership. Now, remember you have to have paid your 2018 membership to receive this gift.

Jack A. Murphy and his wife Cath have been awarded a lifetime a VIP pass to the Denver Gem and Mineral Show courtesy of the Show Council. Every participating club has been given one to present to an outstanding club member. We feel that Jack, having done so much to encourage an appreciation of minerals and mineral collecting, truly deserves this honor. He has brought exhibits, given presentations, and encouraged others to contribute to the Denver Gem and Mineral Show, since at least 1975 when he talked about the rediscovery of the Tom's Baby gold mass.

Friends of Mineralogy, Colorado Chapter will be sponsoring a Symposium, this next September. Our working title is "Minerals from the Metal Ore Deposits of the American Southwest." An initial planning committee meeting took place on Saturday, January 6th, 2018. If you would like to help with planning or ?, please contact either me or Mark Jacobson for further information.

The Board is also wondering what FMCC can do for you. What service, event, or activity would you like FMCC to provide. Field trips, museum tours... what would you like from us? We are interested in what you have to say.

Well, hopefully we will see you at our next meeting. Gloria Staebler will be giving a presentation on DIAMONDS. Sounds like a great talk.

See you there,

Jeff Self.

---Jeff Self, January 2018, President, Colorado Chapter, Friends of Mineralogy

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This issue – Table of Contents

Jan. meeting program	1	Gold nuggets	8
President's message	2	Calendar of coming events	9-10
Minutes of Nov. 2017 board meeting	3-4	Notes about FM	11
Vote on Bylaws and officers	4-5	Location of the Lakeview Event Center ...	12
FM events at the 2018 Tucson Show	6	FMCC membership form	13
FM meetings for 2018	7	Proposed revised Bylaws	attached as supplement
Additional news from the chapter	8-9		

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Minutes from the November 2017 board meeting

Friends of Mineralogy Colorado Chapter

Board Meeting 6:30-7:30 PM

November 16, 2017

Voting members of the board attendees:

Don Bray, Director at large

Ed Pedersen, Director at large

Gloria Staebler, Treasurer

Jeff Self, President (who votes only in case of ties)

Donna Ware with proxy voting power from Bob Hembree, Vice-President

Absent: Larry Havens, Director at large and Secretary, Alan Kemig who had resigned due to family issues, effective October 1, 2017. A quorum was present.

Meeting Action items

- 1) Gloria Staebler made a motion and nominated Mark Jacobson as new FMCC secretary. Don Bray seconded the nomination. The entire board voted yes on this motion and it was approved. Mark Jacobson became the new secretary, effective immediately until the end of the 2017 year.
- 2) Treasurer report: Gloria Staebler reported that to end of October 31, 2017, the current assets of FMCC are \$35,156.70 in an assortment of checking accounts, savings accounts and certificates of deposit; a PowerPoint projector and a portable sound system with wired and wireless microphones. Net income for 2017 to October 31, was \$3,271.68. Net expenses for 2017 to October 31, was \$2,017.60 . There are currently 87 members in the society. The Treasurer's report was accepted.
- 3) Gloria Staebler recommended and made a motion to remove Jim Hurlbut as an approver on all checking, saving and certificate of deposit accounts because of his death in September 2017. Ed Pedersen seconded the motion. The entire board voted yes on this motion and it was approved.
- 3) Gloria Staebler made a motion and recommended that a copy of the book, "The Denver Gem and Mineral Show: A 50 year retrospective," be provided free of charge to all paid 2018 members of FMCC and that because of that recommendation the society shall purchase 100 copies at \$3 per copy. This is an expenditure of \$300. Ed Pedersen seconded the motion. The entire board voted yes on this motion and it was approved.
- 4) The board discussed various places as alternatives to meeting at the Denver Museum of Nature and Science due to their required change of meeting day to Monday and moving to another room. After discussion, Gloria Staebler made a motion to move the meeting place with a one year contract for no more than \$100 per meeting to the Lakeview Event Center at 7864 West Jewell Ave (just on the west side of Wadsworth blvd.). A contract would be prepared and provided to the board for approval. Ed Pedersen seconded the motion. The entire board voted yes on this motion and it was approved.
- 5) The Denver Gem and Mineral Show Council has provided all sponsoring clubs with the opportunity to provide a free Lifetime VIP pass to all future Annual Denver Gem and Mineral shows to a club member and their significant other/spouse each year who a) has provided significant help at the show for numerous years in the past and b) is no longer a volunteer at the show. Mark Jacobson made a motion to recommend Jack A. Murphy. Ed Pedersen and Gloria Staebler seconded the motion. The entire board voted yes on this motion and it was approved.

6) Jeff Self explained that FMCC does not own its own laptop pc computer with PowerPoint software and remote, wireless PowerPoint slide advancer. Mark Jacobson explained that a modern (Microsoft OS newer than XP, using pptx - Action Computers, at 2890 S. Colorado blvd, with both a VGA old style port for linking to a projector as well as the modern HDMI port, similar to a USB port.), used pc would cost about \$250 plus a \$60 wireless slide advancer. Gloria Staebler recommended and made a motion to buy these two items for less than \$500. Ed Pedersen seconded the motion. The entire board voted yes on this motion and it was approved.

7) Mark Jacobson provided proposed revised bylaws for FMCC which needs to be approved by the board and then approved by the general membership at a general membership meeting. The bylaws were further revised at the meeting to allow for 1) voting by email, 2) changing and adding another expenditure approval limit, 3) revising the meeting location obligations, and 4) adding two more voting directors-at-large for a total of 5. Ed Pedersen made a motion to approve these revisions. Bob Hembree by proxy seconded the motion. The entire board voted yes on this motion and it was approved.

The revised bylaws and proposed 218 officers will be sent out in a special FMCC newsletter prior to December 11, (required in advance by 30 days) announcing a general meeting on Thursday, January 11, 2018 to vote on both the proposed bylaws and the slate of 2018 FMCC officers and directors-at-large.

Approved and signed



Mark Ivan Jacobson
November 19, 2017

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Ed Pedersen (left) receiving the Certificate of Appreciation for his November 2017 presentation on "The Phosphate Minerals of Arkansas and Where We Found Some," from President Jeff Self, at our November 16, 2017 meeting.

January 11, 2018 General Membership Meeting, with vote on 2018 Officers and Proposed Bylaws Changes

On December 8, 2017, we sent all our members a letter about our next meeting and containing a copy of proposed changes to our bylaws. In conformity with our present bylaws, these proposed bylaws changes, as well as the slate of candidates for chapter officers, were to be sent to the membership 30 days in advance of the meeting at which these will be voted upon. At the January 11 meeting, in a general membership meeting just prior to the evening speaker presentation, we will vote on approval of the bylaws changes and on the proposed slate of candidates; any additional candidates may be offered for nomination at the meeting.

In the accompanying copy of the bylaws, proposed changes to the wording are printed in red. We are also enclosing a map showing the location of the new meeting place we are trying out beginning with the January 11 meeting; the Lakeview Event Center, 7864 W. Jewell Ave., Lakewood, just west of the intersection of South Wadsworth Blvd and Jewell Ave. The proposed new Bylaws are attached to this newsletter as a separate pdf file.

The proposed officers are:

President – Jeff Self
Vice-president – Bob Hembree
Secretary – Mark Jacobson
Treasurer – Gloria Staebler
At-large director #1: Larry Havens
At-Large director #2: Don Bray
At-Large director #3: Ed Pedersen
Write-in candidates can be offered at the General Meeting

The revised bylaws, which have been approved by the board in November, are part of this newsletter. The proposed changes are shown in red. In summary, the changes:

- 1) Allows for general membership and board voting by email or U. S. Postal Service, prior to actual elections
- 2) Adds two more At-large directors to the board for a maximum of 5
- 3) Requires board (directors and officers) approval for expenditures greater than \$200
- 4) Requires general membership approval for expenditures greater than \$700.
- 5) Removes the statement that the Denver Museum of Nature and Science is the official chapter meeting place

The statement about the change of meeting place and the actual change of meeting place requires some explanation. The Denver Museum during the summer of 2017 informed all organizations that meet at the museum that the use of their space was being changed. All organizations, starting January 2018 will be required to meet only on Mondays in rooms assigned to them by the museum. The room that the Museum assigned Friends of Mineralogy was the “Africa Station Room” on the 3rd floor. This room has never had enough chairs for meetings without scavenging chairs from miscellaneous locations. This room at the museum would be made available without any charge.

The board voted to try out instead for 2018, the Lakeview Event Center, 7864 West Jewell Ave., Lakewood which is located just west of South Wadsworth Blvd. The stand-alone building is in a small shopping center with more than adequate parking. A map showing the location of the Event Center accompanies this newsletter.

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Friends of Mineralogy at the Tucson Show

We have two things to note about FM in Tucson:

The FM General Membership Meeting will take place 4:00~6:00 p.m. Tuesday, February 6, at the Hotel Tucson City Center (yes, that’s the former Inn Suites), in the lunch tent in the center quad. 475 N. Granada St., Tucson AZ. Refreshments will be available. All and welcome (and encouraged!) to attend—FM members, friends, spouses, etc. Some topics that will be discussed at the meeting include, should FM continue to sponsor a symposium at the Tucson Show, and should we continue to have an FM booth (in the Galleria area) at the Show? Volunteers to staff the booth are always hard to come by, and likewise, it’s difficult to get a volunteer(s) who are willing to organize the Symposium. FYI, there will NOT be an FM booth at the show this year—as noted, for scarcity of volunteers to staff it.

An FM-sponsored (along with the Mineralogical Society of America and the Tucson Gem and Mineral Society) Symposium WILL take place at this year’s Tucson Show. It will be from 10 a.m. to 2 p.m. in the Crystal Ball Room in the Convention Center, and will consist of 11 short talks, all on the 2018 Show theme, “Crystals and Crystal Forms”. The program of speakers is listed below; it’s also posted on the National FM website, at <http://www.friendsofmineralogy.org/symposia/> .

39th Annual FM-MSA-TGMS Tucson Mineral Symposium

CRYSTALS AND CRYSTAL FORMS

Date: Saturday, February 10, 2018, From 10 AM – 2 PM, in the Crystal Ball Room of the Tucson Convention Center; Tucson Gem and Mineral Society Show®.

Sponsored by: The Friends of Mineralogy, the Mineralogical Society of America and the Tucson Gem and Mineral Society.

Organizers: Virgil Lueth, Virgil.Lueth@nmt.edu, and John Rakovan, Rakovajf@miamioh.edu

Description: The thirty-ninth annual symposium held in conjunction with the Tucson Gem and Mineral Show® will take place on Saturday, 10 February, 2018. The symposium is cosponsored by the Tucson Gem and Mineral Society, the Friends of Mineralogy, and the Mineralogical Society of America. As a tie in with the show, the symposium theme is the same as the show theme: “Crystals and Crystal Forms”. The speaker program can be downloaded here: 2018_39th_Annual FM-MSA-TGMS Tucson Mineralogical Symposiu...

Speakers and topics

9:55 a.m. Introductory statements – John Rakovan

1. 10:00 John Rakovan, Crystals and crystal forms
2. 10:15 Pete Richards, Distorted crystals
3. 10:45 Terry Huizing, Calcite twins
4. 11:00 John Jaszczak, Sphalerite & wurtzite polytypism and morphology
5. 11:15 Virgil Lueth, Pseudomorphs of Magdalena
6. 11:30-12:00 Lunch Break
7. 12:00 Herwig Pelckmans, Multiple forms on isometric crystals
8. 12:15 Marcus Origlieri, Crystal drawing programs and the AMCSDB
9. 12:30 Barb Dutrow, Hemimorphism: Symmetry and forms in tourmaline
10. 12:45 John Jaszczak, Breaking the law: Exceptions to the classical laws of crystallography
11. 1:00 William Cordua, The many forms and habits of Chalcocite at the Flambeau Mine
12. 1:15 Boris Kantor, Dendrites

FM Meetings for 2018:

January 11: Thursday, 7:30 p.m., “**Beyond the Four C’s, a Diamond Alphabet**”, by Gloria Staebler. This and the rest of the year’s regular meetings will be at our *new location*, the Lakeview Event Center, 7864 W. Jewell Ave., Lakewood.

March 8: Thursday, 7:30 p.m. Speaker Brent Lockhart on “**Mineral Species and Occurrences of the Swiss Alpine Clefts**”

Brent, a well-known collector from the Houston area, has several special interests among minerals, of which the Alpine-cleft minerals are one.

Alpine-cleft minerals occur in open fissures within tectonically deformed igneous or metamorphic host rocks, in the Alps as well as many other mountain belts worldwide. They are noted for quartz (smoky and “rock crystal”), adularia, fluorite, titanite, anatase, hematite, magnetite, chlorite, axinite, and many other minerals.

May 10: Thursday 7:30 p.m. Speaker Markus Raschke on “**Five Days on Xuebaoding Mountain, Sichuan Province, China: minerals and geology.**”

Markus is a Professor in the Physics and Chemistry Departments at the University of Colorado, Boulder. He has given talks to FM before; in March, 2017, Markus gave us a presentation on “Mineralogy and petrology of a REE pegmatite near Wellington Lake: a case study providing new insight into pegmatite petrogenesis”.

Xuebaoding is a mining area in central China, seldom visited by westerners, that has produced many fine specimens of orange scheelite (often on a matrix of muscovite crystals), beryl (aquamarine and goshenite), cassiterite, and numerous other minerals.

May 20: Sunday, noon (setup starts at 11) to 4 p.m., **FM’s annual Silent Auction**, held at Clements Community Center, 1580 Yarrow St., Lakewood. ***Please note that for the first time, our auction will be on a SUNDAY, not a Saturday, and a week later than our usual weekend (due to unavailability of the Clements Center).*** Both members and non-members are invited to bring material to sell, and to bid on specimens.

September 19, Wednesday after the Denver Gem and Mineral Show (rescheduled so as not to conflict with events the week of the show) Topic TBA.

November 14, Wednesday (rescheduled so as not to conflict with people’s travel to the New Mexico Mineral Symposium the previous week). Topic TBA.

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Some additional news from the chapter—from the editor. These items will all be discussed and reported on further at our January meeting:

- **Symposium on Minerals from the Metal Ore Deposits of the American Southwest**, a two-day symposium (one day of lectures + one day of field trips), being organized by FMCC with, tentatively, assistance from the Friends of the CSM Geology Museum and DREGS. Tentatively planned for the weekend of September 22-23, on the School of Mines campus.
- As noted in the President’s message, the chapter has purchased 100 copies of **The Denver Gem and Mineral Show: A 50 year retrospective**. Every member of the Friends of Mineralogy, Colorado Chapter, will receive a free copy of this publication (if their dues are paid!). These copies will be available to hand out at our January meeting—an extra incentive for coming!
- A collection of some 594 historic mining photographs from the New Jersey Zinc and Mining Company (which operated the Eagle mine, Gilman, Colorado) has been donated to the Friends of Mineralogy, Colorado Chapter, by the New Mexico Tech Mineral Museum. Arrangements are in progress for FMCC to donate this collection in turn to the Colorado School of Mines Mining History Archive, which will

include having the complete photograph collection digitally scanned as high-quality images and made available to Friends of Mineralogy as well as for free public use.

- Plans are underway, led by the FM Chapter with cooperation of other Denver area mineral clubs, to organize and hold an appreciation dinner for Bruce Geller, to recognize him for his ten years service (ended November, 2017) as Director of the Colorado School of Mines Geology Museum. The event is tentatively planned for this spring, as a potluck dinner.
- Mark Jacobson is planning, with cooperation of the Friends of Mineralogy, Colorado Chapter, and the Mineralogical Record, to print a limited number of copies of facsimile reprints of the complete publication runs of three late 19th-century mineral periodicals: *The Mineralogists Monthly* (1886-1893), *Minerals, a Monthly Magazine* (1892-1893), and *The Exchanger's Monthly* (1885-1890). The complete set of the three publication series will be made available to those who wish to subscribe to the printing.

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Gold Nuggets (from the editor) – I came across an interesting article, “*The 5 largest gold nuggets that still exist*”, in an online blog, “Bullionstar Blog”, posted 2 Jan 2018. The illustrated article is online at <https://www.bullionstar.com/blogs/bullionstar/worlds-largest-gold-nuggets/>. An interesting comparison can be made between this article, the information in “The occurrence and characteristics of gold nuggets and masses”, by Robert B. Cook, Carl A. Francis and Mark Mauthner, *Rocks & Minerals*, vol. 92, no. 4, July-August 2017, pp. 318-343, and on the labels that appeared in the display of replica (and one real!) nuggets in the 2017 Denver Show, “World’s Largest Gold Nuggets—All Australian”. The reported rankings of the world’s largest nuggets between the different sources don’t quite seem to agree—I haven’t really finished making these comparisons, so I’ll let you do so on your own. And, as a matter of fact (what a coincidence?), in flipping through one of the volumes that Mark Jacobson has scanned of *The Mineralogists’ Monthly* (see above), vol. VI, No. 11, September 1891, I happened to come across an article, “Big gold nuggets” (pp. 129-130) with an analogous list (as of 1891). It will be interesting to sit down and compare the nuggets described in all four of these sources!



The “Great Triangle” gold nugget, found in the Miass area of the Russian Urals mountains in 1842, gross weight of 36.2 kg, currently on display in the ‘Diamond Fund’ collection in the Kremlin in Moscow [Bullionstar Blog]

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FMCC officers & directors, hard at work at a board meeting, burning the “midnight” oil at Denny’s, January 8, 2018. L-R, Larry Havens, Donna Ware, Jeff Self, Mark Jacobson, Don Bray.

Calendar of Coming Events – 2018

Wed., Jan. 17, 3:00 p.m., first in the year's **2018 Earth Sciences Colloquium** program at the Denver Museum of Nature & Science: **Telling time with rock clocks**, by Leah Morgan, USGS. This and most of the talks (one to two per month) will be in the VIP Room; Museum admission is not required—if you are not a member, enter via the staff/volunteer door and tell the security guard that you are here to attend the Earth Sciences Colloquium.

Thurs., Jan. 18, 7:00 p.m., Colorado Scientific Society monthly meeting, Shepherd of the Hills Church, 11500 W. 20th Ave., Lakewood; Social time, 6:30; program at 7:00. All are welcome; for more info see <http://coloscisoc.org/>. Two presentations, both on the theme of “the human context of scientific work”: **Fostering citizen scientists in the remote reaches of Colorado**, by Elizabeth ‘Liz’ Johnson, Colorado Northwestern Community College, Craig, CO; and **Science with a social conscience: a natural outgrowth of fieldwork in remote regions of the world**, by David Krause, Denver Museum of Nature and Science.

Sun., Jan. 21, 12 noon, monthly meeting of the Florissant Scientific Society. “**Craig Hazelton will tell of his adventures traveling to Madagascar!**” Dinosaur Ridge Visitor Center (east side in the barn [upstairs], 16831 W. Alameda Parkway), 12 noon for lunch, talk after. All are welcome.

Tues., Jan. 23, 10:30 a.m., USGS Rocky Mountain Science Seminar, Building 25 Lecture Hall, Denver Federal Center. “**Tectonic history of Siletzia in the Puget Sound lowland**”, by Megan Anderson, Colorado College. *The USGS seminar series is held biweekly, always at 10:30 on alternate Tuesday mornings. Visitors are welcome to attend; enter the Federal Center via the Main Gate (Gate 1) on Kipling St., turn right to follow First St. 3 blocks to park east of Building 25, and enter Bldg. 25 at entrance E-14 where you'll sign in as a visitor with the security guard.*

Feb. 8-11, Tucson Gem and Mineral Show, sponsored by the Tucson Gem and Mineral Society, in the Tucson Convention Center.

Fri-Sat-Sun, Feb. 23-25, Denver Gem and Mineral Guild, **Jewelry, Gem, and Mineral Show**. Jefferson County Fairgrounds, Exhibits Building, 15200 W. 6th Ave. Golden CO; 10-6 Fri. & Sat., 10-5 Sun.; free parking and admission.

Thurs., March 8, 7:30 p.m. Friends of Mineralogy, Colorado Chapter, bimonthly meeting, at Lakeview Event Center, 7864 W. Jewell Ave. “**Mineral Species and Occurrences of the Swiss Alpine Clefs**”, by Brent Lockhart, of Houston, TX.

Mar 23-25, Fort Collins Rockhound Club Gem & Mineral Show, at The Ranch/Larimer County Fairgrounds, Thomas M. McKee 4-H Building, 5280 Arena Circle, Loveland, CO (I-25 exit 259, Crossroads Blvd; 4-8 p.m. Fri, 9-6 Sat., 10-5 Sun.)

Fri.-Sat.-Sun., April 13-15, Colorado Mineral & Fossil Spring Show, Crowne Plaza Hotel DIA, 15500 E 40th Ave., Denver CO. Free admission; hours 9-6 Fri. & Sat., 10-5 Sun.

Thurs., May 10, 7:30 p.m., Friends of Mineralogy, Colorado Chapter, bimonthly meeting, at Lakeview Event Center, 7864 W. Jewell Ave.: **The W-Sn-Be deposit of Xuebaoding, Sichuan Province, China: current research, past, and future of a world class mineral locality** by Markus Raschke.

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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/> .

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/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 Region Exploration Geologists Society (DREGS; 1st Monday, 7 p.m.), <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.

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/> (RMMA; 2nd Sunday of most months, 2 p.m., in conference room across hall from CSM Geology Museum)

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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FM Colorado Chapter activities:

Meetings are normally held at 7:30 p.m. on the 2nd Thursday of alternate (odd-numbered) months. Our meeting place for 2018 will be the Lakeview Event Center, 7864 W. Jewell Ave., Lakewood CO. Our meeting dates are often 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 2018 will be:

Thursday, Jan. 11, FM meeting

Thursday, Mar. 8, FM meeting

Thursday, May 10, FM meeting

Sunday, May 20, FM Silent Auction, Clements Community Center, Lakewood

Sept. 14-16, Denver Gem and Mineral Show; 2017 show theme, “Minerals of Mexico” (51st annual show)

Sat.-Sun., Sept. 22-23, Mineral Symposium (*tentative date*), “Minerals from the Metal Ore Deposits of the American Southwest”

Wednesday, Sept. 19, FM meeting (date adjusted to not conflict with Denver Gem and Mineral Show)

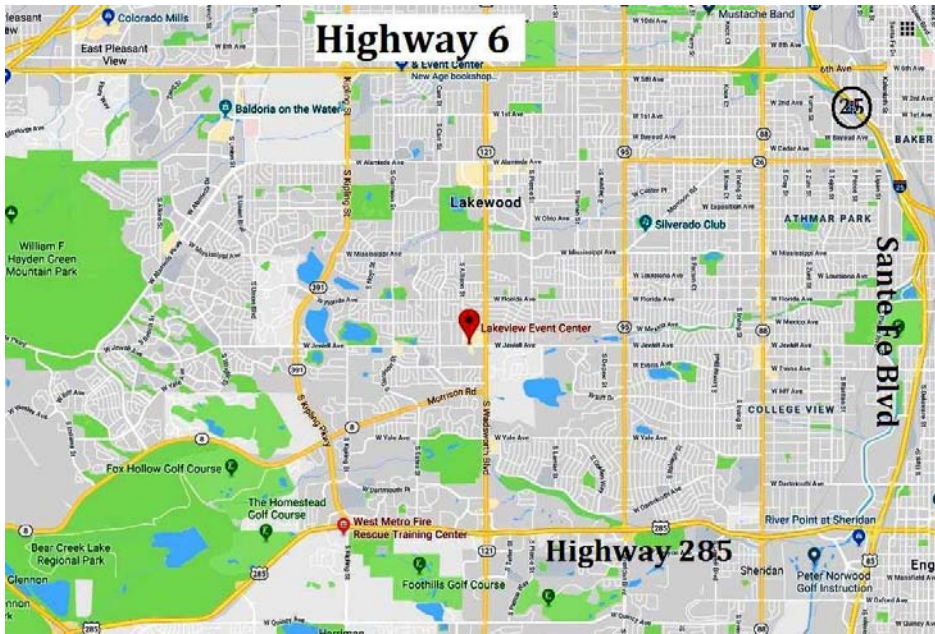
Wednesday, Nov. 14, FM meeting (date adjusted to not conflict with NM Mineral Symposium)

Friends of Mineralogy, Colorado Chapter, 2017 officers:

President:	Jeff Self, selfawareminerals@gmail.com
Vice President:	Bob Hembree, rhembree@comcast.net
Secretary:	Mark Jacobson, markivanjacobson@gmail.com, 1-337-255-0627
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; Alternate, Mark Jacobson
Newsletter editor:	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 Directors:	Larry Havens, lwrnchavens@comcast.net, 303-757-6577 Don Bray, don_bray@copper.net, 303-681-3646 Ed Pederson, mineraljeep@aol.com Plus one unfilled position

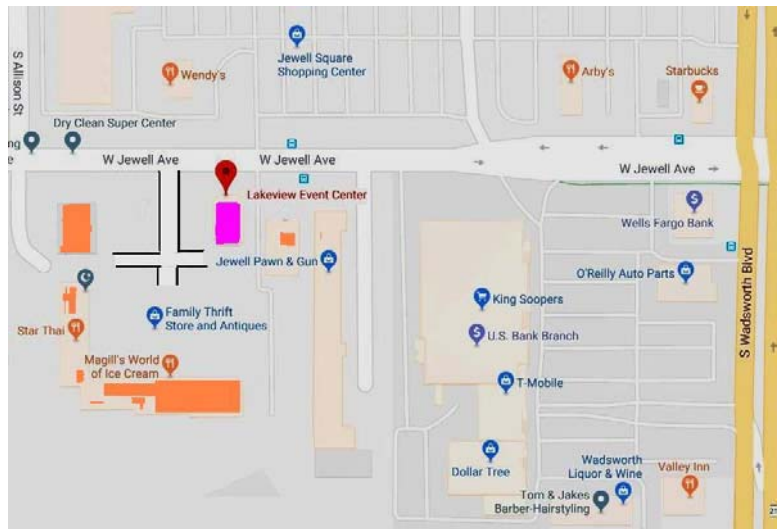
(New officers for 2018 will be elected at the January 11, 2018 meeting)

Location and information about the Lakeview Event Center



The Lakeview Event Center, 7864 West Jewell, Lakewood is located right in the heart of Lakewood at Jewell Ave & Wadsworth Blvd, across from Wendy's, just minutes away from Denver Downtown. There is ample space for parking, and private outdoor space for tents makes this unique in this area.

The Shopping center map



The front entrance faces west.





friends of mineralogy
colorado chapter



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.

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.