



Colorado Mineral Society Mineral Minutes



Volume 84, Issue 2

February 2020

President's Message

by Amber Brenzikofer

An Exciting Year Planned!

First off, I want to say how honored and humbled I am to be elected to serve as President of the Colorado Mineral Society (CMS). It is an amazing club that does amazing things and I will do my best to represent it well. I encourage you to reach out to me and the other board members to give us suggestions and ideas for improvements, events, or anything else that will make us a successful club. We are still in need of a 1st Vice President and a number of Chairpersons (see Page 2).

I want to thank Debbie Kalscheur for being President the past two years and I want to build on her improvements to our organization. Debbie will still be involved with CMS as the past president and Denver Council Representative, so she will still be around. I also want to thank outgoing board members Aaron Cross, Paul and Cindy Hatfield, and Alice Gemmell for their support to CMS. I have to give a shout out to Julio Edwards who is doing a great job keeping the CMS website and Facebook page updated.

February is usually a quiet month because many of our members are in Tucson. We will not have a presentation at the February 7th general meeting, but will have a grab bag stuffing party after the business portion of the meeting. CMS is a member organization of the Denver Gem and Mineral Show in September and each member club is required to provide 500 grab bags each year filled with 10 specimens each. Thanks to Eva Siemonsma for organizing the specimen bags this past year, Cindy Hatfield for stuffing many of the specimen bags, and Leslie Osgood and her posse for sewing the grab bags. We need to know how many people will be at the February General Meeting to stuff grab bags so we can determine how many stations to set up. Please RSVP to me by email if you can make the meeting and are willing to stuff grab bags. If we can get enough people, our goal is to stuff 1,500 grab bags (3 years' worth). It will also be a time to socialize and learn more about your fellow members.

MistyAnn Bateman, the Junior Rockhound Chairperson, has put together a badge program this year to help our youth earn badges from the American Federation of Mineralogical Societies (AFMS). The monthly junior programs at the general meetings will help to earn those badges. More information on the February program is located on Page 2.

The Field Trip Committee met a couple of weeks ago to start planning the 2020 CMS field trip season. If you would like to lead a field trip or have suggestions for a field, contact me. I have taken over the pres.coloradomineralsociety@gmail.com email account, so look for announcement from me using that email. Since I

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am still preparing the newsletter until I can find a new Editor, I will also be sending emails out by my editor email account (editor.coloradomineralsociety@gmail.com). Other Committees, including Technology and Education, will be scheduling upcoming meetings. It will be a busy upcoming year and I look forward to the challenge. Hope to see you at the next general meeting.

CMS General Meeting Friday, February 7, 2020

7:30pm-9:30pm

St. Paul Episcopal Church in Lakewood
(10th and Garrison)

In lieu of a speaker this month, we will be having a grab bag stuffing party and social event. Please RSVP to Amber at pres.coloradomineralsociety@gmail.com if you can attend the meeting so we know how many grab bags and supplies to bring. If we can get enough people, we can stuff more bags. We currently have enough material to stuff 1,500 grab bags.

If you have small specimens that you would like to donate for the grab bags, bring those to the meeting. The specimens should fit into a 2x2 or 2x3 plastic bag. CMS provides the plastic bags and labels. CMS needs 5,000 specimens each year for the grab bags.

CMS Open Board Positions

As you can see, we have numerous open positions on the Board. Through our CMS Strategic Initiative, we want to do numerous things to improve the club, but that requires volunteers to step up and help out. Our goal is to make volunteering fun, enjoyable, and a learning experience.

- First Vice President - Programs
- Field Trip Coordinator
- Technology Chairperson and Assistant
- Newsletter Editor and Assistant
- Donations Chairperson and Assistant
- Historian Assistant
- Annual Auction Chairperson
- Volunteer Chairperson

If you want to learn more about these volunteer positions, please contact Amber or one of the other board members listed on Page 11.

February 2020 Junior Rockhound Program

by
MistyAnn Bateman
Junior Rockhound Program Chair

At the February 7th CMS meeting, the junior rockhounds will continue to work on our Rocks and Mineral badge by learning about crystal shapes and striations and how to use them to identify minerals.

The junior rockhound program occurs at the beginning of the CMS general meeting during the business portion of the meeting. Parents are encouraged to attend the program with their children to learn more about the program and learn more about rocks..



Wanted Newsletter Editor

by Amber Brenzikofer, Editor

Since I am taking over as President of CMS, I need to pass the torch of editing the newsletter. I will still be involved with the newsletter and am looking for someone who can compile the information, format a newsletter, do research as needed, compile photos of events and field trips, and attend CMS Board meetings each month. I spend on average about 4 hours per month creating the newsletter and 2 hours per month attending the Board meetings (not necessary), so it is not a huge time commitment.

Other perks of being the newsletter editor is getting access to other club newsletters across Colorado and surrounding states, submitting newsletters and articles to the annual Rocky Mountain Federation newsletter competition and American Federation newsletter competition with the possibility of winning awards for new editor, best newsletter, article writers, and other categories. Please contact me for more information if interested.



[Like Colorado Mineral Society on Facebook](#)

January 3, 2020 Raffle News

We started off 2020 with ticket sales that amounted to \$180, with the retail value of \$218. The most popular item was the crocoite specimen from Dundas, Tasmania, from the Lee Barnett Collection (\$60 ticket sales), donated by **Ken and Mary Black** and won by *Carol Gray*. The petrified wood from Montana (\$51 ticket sales), donated from the **Disney Collection**, was won by two time winner at this raffle, *Amber Brenzikofer*. The wavellite specimen from Garland Co, Arkansas (\$31 ticket sales), donated by **Richard Owens** was won by *Jon Papes*. The stilbite specimen from the Bull Run Quarry, Loudoun County, Virginia, from the collection of Buck Keller (\$18 ticket sales), donated **anonymously**, was won by *Beth Randolph*. The lepidodendron (fossil plant) (\$14 ticket sales) donated by **Pat Tucci and Zelda Bailey, GEOdysey, LLC**, was won by that two time winner, *Amber Brenzikofer*. Last but not least the calcite specimen from Mexico donated by **Dale Block** (\$6 ticket sales) was won by *Laura Johnston*.

The raffle is successful because of your enthusiastic participation - thank you. Thank you members and dealers for the donations of these great specimens. The proceeds are spent on CMS education, the purchase of library materials, and the state science fair awards.

Thanks John Kleber, Judy Blakemore and Rose for helping with the raffle.

Congratulations to all the lucky winners!!!!

Submitted by Eva Siemonsma, CMS Raffle Manager.



Pat Tucci and Zelda Bailey

<http://www.geodysey-rocks.com/>

Lee Barnett Collection
(Ken and Mary Black)

Bob and Mary Disney
Collection

Richard Owens

Dale Block

WELCOME!!

New CMS Members

First Listing

Kevin Mathisen
Danny Inmon and Connie Inmon
Art Weeast and Vickie Weeast

Second Listing

Eric & Jeong Hee Enger
Kelly Husted & Eric Fontinelle
Michelle Pallis

**Per CMS Bylaws, comments concerning new, first listing members should be formally submitted to the President.*



Chris Keilman's aquamarine discoveries from Mount Antero, Chaffee County, Colorado: summer of 2019

by
Mark Ivan Jacobson

During the summer of 2019, Chris Keilman decided to implement a new prospecting strategy for working the south knob of Mount Antero, the area covered by mining claims held by Craig Cardwell. His agreement with Craig allowed for digging alone with the understanding that material found would be split 50-50% with him. His previous work with Craig Cardwell in 2018 was assisting the bulldozer crew of operator and diggers.

Keilman's first trip of 2019 was on the Saturday morning of July 20. His prospecting approach was to walk the northward-facing slope of the south knob of Mount Antero and identify any spot where he found a pocket aquamarine fragment. These spots would then become his digging focus. Soon after starting a walking traverse, he found a small, ¼ inch fragment of pocket aquamarine. This crystal fragment was found with granitic rock fragments that averaged 4 to 15 inches mixed with gravel to sand sized rock debris; material that can be easily dug with a short-handled shovel.

From this spot, he chose to dig a 3 to 4 foot hole, trending uphill and 5 to 7 feet laterally on each side. This standard tracing float method would insure not missing a pocket. As he was digging, another small aquamarine fragment was found in a shovel of dirt. Then in the next shovel a smoky quartz fragment, thus motivating him to continue digging. Soon pocket fragments of either aquamarine or smoky quartz were being found more frequently; almost every shovel of gravel contained a fragment, until eventually he hit permafrost at about 4.5 feet down. No evidence of previous excavation at this site was seen, so this was probably virgin, undug ground.

Digging into the permafrost required a different technique. He cleared a five square foot exposure of the permafrost after removing all the loose gravel. Then, he gently and slowly poured a bucket of cool to cold water onto the permafrost surface which flowed down and formed a puddle below so the was reused. The loosened, defrosted material, if larger than ½ in size, was scooped up and hand inspected for pocket debris. If less than ½ inch in diameter, it was bagged for inspection later. Along with the occasional pocket crystal fragment, coarse grained white feldspar fragments were also being found.

Work continued this way for the next two weekends; three days of July 26-28 followed by two days of August 3-4. Chris would drive to reach the mountain in the early morning and dig until 5 to 6 PM, camp overnight below treeline, then the next day drive up to the parking island to hike to the digging area, and late on Sunday return to Littleton. Gem aquamarine sections, averaging ½ to ¼ inches continued to be recovered with the infrequent smoky quartz fragments.

For the August 3rd weekend, Chris's spouse, Adriana Cozzi Keilman, accompanied him to join in the digging. This weekend, Chris also had two of his good friends, Greg Merritt and Billy Holt (nicknamed Blackbeard) digging close by. Occasionally they would walk over to Chris's digging spot to gaze their eyes on the amazing aquamarines being found. With Adriana, the pace of digging increased as did the recovery of more aquamarine pocket sections. No aquamarines on matrix material were found. While digging, an upslope ground level white opaque cloud moved in on them during the Saturday afternoon. The cloud brought mixed rain and sleet on them, but no thunder or lightening. Their waterproof coats and hoods allowed them to continue digging. With a temperature just above freezing, only their eyes poked out from their hoods. The storm only lasted one hour, with the sun once again exposed and drying them out. This storm provided the idea for naming this find the **Cloud Nine pocket**. A full gallon food-lock plastic bag was filled with broken aqua-



Figure 1. Chris Keilman holding a bright blue gemmy aquamarine from the **Cloud Nine pocket**. Chris Keilman photograph.

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Chris Keilman's aquamarine discoveries from Mount Antero (continued)

marine with the rare terminated crystal. After washing they recovered 6,055 carats (1,211 grams or 2.67 pounds). The resultant excavation was six feet deep, ten feet wide, and fifteen feet upslope.

By the end of Sunday, the recovery of aquamarine crystals had ended, indicating that Chris and Adriana had dug through a pegmatite vein. Chris interpreted the float to represent a crumbled narrow, less than 2 foot thick, pegmatite vein that had an east to west trend, rising to the west, probably dipping to the south, in what was essentially an east-west pit face. What was unknown was whether additional pockets extended along the vein laterally.

Two weeks later, on August 17-18, the Colorado Mineral Society had a field trip to the Cardwell claims on the south knob of Mount Antero. Gary Rowe, a participant with the Colorado Mineral Society heard of Chris' digging success and asked if he could help with the excavation. Chris agreed. The two of them Saturday morning hiked up to the existing pit. Gary worked the existing pit, laterally and deeper. The technique stayed the same, pour water on the frozen ground, scoop up the loosen material for crystal inspection, and collect what water remains in a puddle below for reuse.



Figure 2. Adriana Keilman scooping up a handful of aquamarine sections from **the Cloud Nine pocket** in the bitter cold prior to the cold cloud with its rain and sleet descended. Chris Keilman photograph.

Chris used this opportunity to start a second pit uphill and west of his existing one. This followed the trend of where he expected the pegmatite to continue, updip and probably dipping to the south. This was a spot where he had previously found a small aquamarine fragment. The pit he started was about 20-25 feet uphill from the first pit and quickly covered an area 6 by 5 feet. After 30 minutes, he had recovered another aquamarine fragment; then soon afterwards some smoky quartzes and more aquamarine fragments. After 45 minutes, Chris called Gary to come see what he was finding.

Gary came up, and they both worked to melt permafrost, to widen and deepen the excavation. They continued to find aquamarine and smoky quartz fragments, as well as smoky quartz crystals to 3 inch lengths. After less than an hour of joint work, Chris uncovered a frozen, round, brown mass, about 8 inches surrounded by granulated albite aplite. Chris poured water over the brown mass, dissolving the ice and revealing a compact mass of hundreds of broken aquamarine pocket crystals up to ½ inch in length. Chris named this discovery the **Rolling Stone pocket**.

Gary got overly excited; he had never seen anything like this in his years of collecting. Chris agreed. But the water ran out and Gary went and got another jug of water. After 30 minutes more, the entire pocket was dug out. They were recovering 5 to 6 aquamarines in each handful as the water dissolved the ice. By the end of the day, they had recovered 3,290 carats (658 grams or 1.45 pounds). The quality of these crystals were better than the Cloud Nine pocket. All the crystals were taken to Craig Cardwell's shop below the mountain for washing and weighting.

The following morning, August 18, Chris decided to dig left (east) and downdip of the first pit. He worked a 5 x 10 feet area all Sunday morning. This pit uncovered a three foot section of pegmatite vein, that was wider than in the first pit. He started recovering smoky quartz masses to 5 inches, euhedral black quartz crystals up to 4-6 inches, as well as small ½ - ¼ inch aquamarine fragments. He spent the rest of the day digging but by late afternoon, no more aquamarines or smoky quartz crystals were being found. He named this the **Sunrise pocket**, which recovered 1,479 carats (296 grams or 0.65 pounds).

The following weekend after the Colorado Mineral Society trip, August 24, Chris returned to the same pegmatite trend area on the north face of the south knob of Mount Antero. Since the down trend pocket was not as productive as the

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Chris Keilman's aquamarine discoveries from Mount Antero (continued)

Rolling Stone pocket, Chris decided to dig between the original **Cloud Nine** hole and the upper level **Rolling Stone** hole, within the 20 foot space between the two holes. His initial digging above the permafrost recovered chunky pinkish feldspar debris as three inch masses. These masses seemed to be coarse pegmatite fragments. Continued digging recovered 3 to 5 inch smoky quartzes. Suddenly three major hunks of aquamarine are found. He was almost speechless – Could there be more? He realized that other broken, smaller aquamarine masses could also be in the gravel; thus he started to bag the unscreened dirt to recover the small broken aquamarine pieces need to repair the larger hunks. Then moments later another 2.5 inch aquamarine section was recovered. Then Chris sat back holding each section and wondering are they from the same or different crystal, if the same crystal how big would this crystal become if repaired. Chris continued his digging for the rest of the day, recovering more larger, up to 1.5 inch long aquamarine sections and the more numerous ½ inch sections, a few with terminations. How many of these crystals could be restored was unknown. As the sun receded, Chris started his hike down to his car at about 5:50 PM.

Adriana's maiden name was chosen for this, the **Cozzi pocket**. The pocket yielded 2366 carats (473 grams or 1.04 pounds) which included the glassy, gemmy but severely flawed large aquamarine, that was recovered in four major and many minor pieces. Not all the crystal fragments were recovered, thus the original crystal must have exceeded 7.5 inches in length. After manual reconstruction with all the recovered fragments, the crystal was 7.5 inches by 1.18 inches in length, but unfortunately the basal crystal fragment is too broken to restore onto the specimen. The restorable aquamarine crystal, that can be displayed is 7.08 x 1.18 inches (18 x 3 cm) in size.



Figure 3. The large, aquamarine, un-repaired or cleaned from the **Cozzi pocket** after display at the 2019 Denver Gem and Mineral Show. Crystal is 7.08 x 1.18 inches (18 x 3 cm). Photographed at 5,000 Kelvin light with the camera set at 5000 Kelvin. Mark Jacobson photograph.

All the crystals were provided to Craig Cardwell for inspection and weighing. As previously agreed, the recovered crystals were split 50-50 between Chris and Craig in a mutually acceptable manner.

After, the split, Chris was able to retain what he believed was most of the aquamarine fragments from the largest crystal. After sorting through all the debris, Chris determined that he had in fact, recovered most of the large crystal – it could be repaired. At seven inches, the crystal is among one of the largest aquamarines recovered from Mount Antero, but still exceeded by the two Ed Over crystals (with the largest 7.25 x 1.06 inches) in the Harvard University museum collection (Over 1935). The glassy but opaque morganite-aquamarine found by Jeff Self (estimated at 12 x 3 inches) is larger, but unrepairable due to missing pieces (Hutchinson 2008). Chris' crystal was exhibited, un-repaired and uncleaned at the September 2019 Denver Gem and Mineral Show in the Colorado Mineralogical Society club prospector case.



Figure 4. Chris Keilman's split from the **Rolling Stone pocket**, un-repaired crystal at the top. Mark Jacobson photograph

References:

Hutchinson, William Henry. 2008. Morganite discovery from Mt. Antero in Chaffee County, Colorado. *Mineral News*, v. 24, no. 7, p. 1, 4-6.

Over, Edwin Jr. 1935. Further Explorations on Mt. Antero. *Rocks and Minerals* v. 10, p. 27-29.

Denver Gem & Mineral Show Mini Report February 2020

The Denver Gem & Mineral Show will be an exciting show this year (course in my opinion, it is always exciting). The show dates are September 18 - 20, 2020 and the theme is Fluorite. The show venue is the usual Denver Mart, 451 E. 58th Avenue. The Show Chair is George Daggett, who can be reached at geoddaggett@hotmail.com or 303-453-9651. George is always open to conversing with club members regarding the show.

The show is sponsored by the Greater Denver Area Gem & Mineral Council, which is composed of the eight local gem, mineral and fossil clubs. The Show Committee is the group of dedicated volunteer club members who plan and operate the show. As with any volunteer group, the committee is in need of some new folks to assist with the show. The mini reports frequently focus on the need for new volunteer members because it is so important and without them the show cannot go on. So this report will again inform you all about the needs for the committee. An Assistant Treasurer is needed for Treasurer Debbie Baldwin (debaldwin.geo@gmail.com or 303-717-1518). Debbie is an easy person to work with and she will train you for this position. Most of the work occurs at show time in September. An assistant is needed for Dealer Chair, Regina Aumente (raumente@aol.com or 505-604-9585). Regina has been Dealer Chair for many years and will help the new person to learn the job. Another position needing an assistant is Schools. The current chair Judy Knoshaug (jrknoshaug@comcast.net or 303-423-2923) may retire from this position in a couple years plus is converting to a paperless process as much as possible. It would be nice to have a computer whiz to help with the conversion. Security Chair Amber Brenzikofer (amberbrenzikofer@gmail.com or 720-480-5234) also needs an assistant.

Many of your club members are already on the Show Committee and you surely know them. Here are some of them: Dealers - Regina Aumente; Treasurer - Debbie Baldwin; Security - Amber Brenzikofer; Speakers & Exhibits - Larry Havens, Dale Gann and Dave Bunk; Club Liaison - Ron Knoshaug; Set Up - Linda Burns and Barb Melby; Volunteers - Anita Colin; Show Chair - George Daggett; Admissions - Kathy Honda and Angela Green Garcia; Historian - Bob Johnson and Mark Jacobson; Schools - Judy Knoshaug; Hospitality - Brenda and Dan Wray; Fluorescent Room - Gerry Naugle and Conrad North; Trophies & Saturday Evening - Nick North; Show Pin - Lesley Sebol; Door Prizes - Eva Siemonsma; Operations - Ron Snelling; Publicity and Program - Gloria Staebler; Grab Bags - Joe Walkowich; Public Sector - Dan Zellner; International Room - Sandy and Chauncey Walden; Tear Down - Dan Wray and Bob Landgraf; Scout Liaison - Ryan White; WIPS representative - Nancy Kimber; Littleton representative - Lynette Warren.

So pick out someone you know and talk to them about the Show and the Show Committee. We all belong to these clubs because we are so smitten with the gem, mineral and fossil hobbies. The show is the most fabulous local event where you can fully engage in your passion. You don't have to travel out of state nor spend a lot of money to enjoy the show. If you volunteer, you get in free. So do something for yourself. You will meet new fellow hobbyists and learn so much.

Note: The Show Committee meets the first Tuesday of every month except February, July and December at 7 pm at the Colorado School of Mines Geology Museum conference room opposite the museum entrance.

Respectfully submitted, Judy Knoshaug, Show Secretary

Rocky Mountain Federation News

The Rocky Mountain Federation of Mineralogical Societies (RMFMS) is made up of 78 clubs representing 13 Western states. CMS is a member of RMFMS. The Rocky Mountain Federation News is published monthly and is located at www.rmfm.org.



A.F.M.S Newsletter

The American Federation of Mineralogical Societies (A.F.M.S) serves seven regional federations, including RMFMS. The A.F.M.S Newsletter is published monthly and is located at: <http://www.amfed.org/news/default.htm>.

Colorado Mineral Society General Meeting on January 3, 2020

Call to Order – Amber Brenzikofer, President at 7:36pm

49 adults and children in attendance

Business Meeting:

General Announcements - Amber

- Welcome – New and existing members
- Youth Program - Looking at rock and mineral differences and similarities
- Officer elections from last month
- Certificates of Appreciation – Debbie, Gary, Aaron, Alice, Paul and Cindy
- Other open board chairperson positions (help and assistance for positions was offered as well as explanation of the following positions):
- Display Case - ***Complements of Cindy Hatfield***
 - For new members to show what rocks we go after in the field
 - Today was “the same rock in different states”, rocks in matrix, polished/unpolished, tools, etc...
- Visitor Welcome and Door Prizes – Jonathan Papes

Officer Reports:

- Mark – 2nd VP Education Update
 - Has a lot of great ideas and asked everyone to stay tuned
 - Possibly stay tuned for mineral identification class through Ed Raines
- Loni Cole – Treasurer
 - Turned over financials for first audit since she was treasurer
 - Paid RMFMS dues/insurance
- Leslie/Melanie – Membership
 - New members were announced (1st reading)
- Eva – Raffle
 - Raffle money spent for science fair and education fund

Community Announcements

Door Prize Winners: Don Bray, Boyd Cook, Bohdorn (sp?), Connor Pallis, Dale Gann, Sandra Gonzales, Carol Gray, Jim Hall, Leslie Osgood, Michelle Pallis, Gary Rowe

Discussion - rolling out the CMS Strategic Plan Initiatives

Meeting adjourned: 10:08pm

Minutes taken by Ben Geller, Secretary

CMS 2020 Membership Dues – Time to Renew

A membership form with a renewal checkbox is located on the CMS website at www.coloradomineralsociety.com.

CMS Membership Dues:

Family: \$20 per year	Single: \$18 per year
Senior 65+ (single or family): \$15 per year	Junior (<12 years old): \$15 per year

CMS memberships run from January 1st to December 31st. Here are ways to pay your dues:

1. Pay with cash or check at the general meetings the first Friday of each month from October through May. Look for the Membership Chairperson to obtain a receipt and membership card.
2. Send a check made out to “Colorado Mineral Society” or “CMS” to P.O. Box 280755, Lakewood, Colorado 80228-0755. Please do not send cash through the mail. Membership cards will be mailed to you.

Also, due to RMFMS insurance and liability purposes, we need to know the month and year of your children's birthdays, so please provide this information when you renew your membership. The children's information will not be published. If you ordered a name badge, they will be available at the general meetings to pick up or by other arrangements.

Colorado Mineral Society Board Meeting on January 18, 2020

Attendees: Amber Brenzikofer, Mark Leatherman, Ben Geller, Loni Cole, Debbie Kalscheur, Leslie Osgood, Eva Siemonsma

Call to Order @ 7:13 pm – Amber Brenzikofer

Open Positions

- Open 2020 Officer Position: 1st VP--first position is still open
- Other Open Positions:
 - Field Trip Coordinator –Aaron Cross and Wendy Carley will be Junior field trip leaders
 - Newsletter Editor – Amber to continue until she finds someone to take over
 - Donations Chair- still open
 - Technology Leader –
 - Annual Auction Chair – Ben to do it this year, need to get an assistant, identify committee (set up a meeting in March)
 - Grab Bag Chair – Wendy Carley has volunteered to fill position

Items for Board Approval/Special Topics

- CMS Lifetime Member Appreciation – Discussed having an event at a General Meeting. Idea was to link it to the legacy program. Several suggestions presented including a slide show with photos or a panel.
- Committee Group Meetings:
 - ✓ Summary of Field Trip Committee meeting 1/18/20 - Amber
 - Committee talked about how to automate the trip sign-ups, having an online membership technology-based application with login. Discussed having field trip sign-ups 30 days in advance of trip to minimize cancellations
 - Have a field trip liability form that is signed once when membership is renewed
 - ✓ Technology Committee – put together a technology plan including a functionality list to evaluate commercial products, set up a committee meeting – Debbie
 - ✓ Education Committee – need to set up a committee and meeting – Mark
 - One suggestions was a micro minerals photography session for stacking program, possibly do a presentation then hold a class.
 - Dinosaur Ridge reached out to us to do a presentation
 - Community outreach - a teacher in Niwot is teaching a mineralogy class, possible for us to help?
 - ✓ Creation of a Legacy Donations committee – creation of a Donations Spreadsheet/Tracking mechanism
 - Proposal will be made next board meeting - Debbie
 - ✓ Adding Volunteer Coordinator Chairperson Position and Committee – volunteer tracking mechanism

Officer/Committee Reports

- Education Update
 - Amber talked to Ed Raines and he will be busy this spring at Mine Museum moving displays for construction of new museum store. He would be interested in teaching his crystallography class to CMS this fall.
- Treasury – Loni
 - Expenditures and income was discussed by Loni
 - We need to know a budget to make a motion to move money into a CD
- Membership – Leslie
 - New members names were read
- Raffle – Eva
 - We added \$180 from last month
- Grab Bags- Eva
 - Eva talked about plan for grab-bag stuffing party
- Newsletter – Amber – DEADLINE January 29, 2020

Other Topics - Inform

Next CMS Board Meeting: February 18th. Location: Leslie's unless otherwise communicated

Meeting Adjourned: 9:18pm

Minutes taken by Ben Geller, Secretary



Colorado Mineral & Fossil Spring Show April 10-12, 2020

\$100 Show
Dealer Voucher
Giveaways at
each show!

Texas Mineral & Fossil Spring Show April 24-26, 2020

Minerals, Fossils, Meteorites,
Gems, Jewelry & More!

Jewelry Workshops!
Mineral Giveaways!
Activities for the kids!



Details at!

PROMOTIONS

www.rmgmpromotions.com



JEWELRY, GEM & MINERAL SHOW

Gems

Books

Displays

Minerals

Sculptures

DEMOS:

Flint Knapping

Wire Wrapping

Fluorescence

Polishing

Faceting



Fossils

Geodes

Jewelry

Crystals

Activities for kids

DEALERS:

Over 20 Sellers

**Free
Admission!**

February 28 – March 1, 2020

Hours: 10-6 Friday & Saturday 10-5 Sunday

JEFFERSON COUNTY FAIRGROUNDS

15200 W. 6th Ave. – (W. 6th Ave. & Indiana, Golden)

No food available onsite; restaurants nearby

Grab Bag Sales proceeds applied to scholarship at Colorado School of Mines

Sponsored by the DENVER GEM AND MINERAL GUILD

www.denvergem.org

Photos: Robert Johnson

COLORADO MINERAL SOCIETY OFFICERS

2020

President: Amber Brenzikofer

First VP-Programs: **OPEN**

Second VP-Education: Mark Leatherman

Secretary: Ben Geller

Treasurer: Loni Cole

Appointed Board Members - Committee Chairpersons

Annual Auction: **OPEN**

Door Prizes-Guests: Jonathan Papes

Library: Kevin Atwater

Display Chair: Chris Keilman

Membership: Leslie Osgood

Field Trip Leader: **OPEN**

Field Trip Leader Co-Chair: Nels Grevstad

Nominations: Debbie Kalscheur

Grab Bags Coordinator: Wendy Carley

Publications: **OPEN**

Historian: Amber Brenzikofer

Jr Rockhound Coordinator: MistyAnn Batemar

Jr Rockhound Assistants: Joanna Morsicato/Wendy Carley

Hospitality: Star Edwards

Donations: **OPEN**

Technology Leader: **OPEN**

Volunteer Chair: **OPEN**

Web Master: Julio Edwards

coloradomineralsociety@comcast.net



Representatives (Board Members)

Denver Council Trustee: Debbie Kalscheur

Denver Show Rep: Amber Brenzikofer

COLORADO MINERAL SOCIETY (CMS) was founded in 1936 by a group of distinguished individuals within the mineralogical field. The organization was incorporated as a non-profit, educational organization in 1948. The Society is affiliated with the Rocky Mountain Federation of Mineralogical Societies and the American Federation of Mineralogical Societies, a founding member of each group.

PURPOSE: To promote the study of minerals and other geologic materials, to encourage mineral collecting as a hobby and to conduct public meetings, lectures, and field trips, and to engage in all activities which relate to said purposes of the organization.

MEETINGS: General membership meetings start at 7:30 PM on the first Friday of each month, October through May, at St. Paul's Episcopal Church, at 10th and Garrison in Lakewood, CO. **Visitors** and **Guests** are welcome.

BOARD MEETINGS: The board members meet once a month to complete the executive business and affairs of the Society. Meetings will start at 7:00 PM usually the third Tuesday of each month.

MEMBERSHIP: Open to all persons who agree to abide by Society rules and rules of the Federations. Annual fees are: \$20.00 for a Family living at the same household, \$18.00 for a Single Membership, \$15.00 for a Senior Membership (single or family over 65), and \$15.00 for junior members under the age of 18 who are not included in a family. Name badges are available for a one-time fee of \$7.50.

ANNUAL EVENTS: Yearly activities include a silent auction of minerals, fossils, gems, jewelry, equipment and other items related to our interests; participation as a member of the Denver Greater Gem and Mineral Council and the original Denver Gem and Mineral Show; and the Founder's Day celebration.

FIELD TRIPS: The Society sponsors several field trips from Spring through Fall for the purpose of collecting minerals, crystals, and fossils. These trips are one-day, two-day, and occasionally several-day adventures. A field trip guide is published each year in May.

NEWSLETTER GUIDELINES: CMS has a proud history of promoting the education and pure enjoyment of the mineralogical world. At the very heart of its existence are the many volunteers and contributors who spend their time and efforts in direct support of the club's mission. The CMS official newsletter **MINERAL MINUTES** is published monthly during the active meeting season (October through May) and a summer edition, and is the primary way the club's activities and mission are communicated to its members and prospective members. On that basis, the Board of Directors would like to offer the following content guidelines for CMS newsletter contributions:

- Formal announcements concerning club business and/or membership
- Information around mineral-related education opportunities or fundraising activities
- Stories or history that concentrate on the edifying aspects of mineral collection and education
- Sharing of personal mineral-related experience from field trips or other related adventures serving an educational purpose
- Announcements of volunteer/leadership opportunities for the club or club representation
- Worthy news events or discoveries related to mineralogy or geology that align to club's core interests
- Appropriate announcements regarding mineral shows, one-time mineral related events, mineral auctions, sale of private collections and/or equipment, etc.
- Information around relevant donations and/or gifts made available to the club or club members

Please note that the editor may correct spelling, syntax, or content to conserve space and is also entitled to bring contributions in compliance with newsletter guidelines.

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Deadline for publication is the 20th of the month prior to publication. All correspondence to Mineral Minutes or questions should be sent to Amber Brenzikofer, Editor, P.O. Box 280755, Lakewood, Colorado 80228-0755; phone: 720.480.5234; or by email to:

editor.coloradomineralsociety@gmail.com



Colorado Mineral Society
PO Box 280755
Lakewood, CO 80228

FIRST CLASS MAIL



Calendar of Events

February 7, 2020, CMS General Meeting at St. Paul's Episcopal Church, Lakewood, 7:30pm-9:30pm

March 6, 2020, CMS General Meeting at St. Paul's Episcopal Church, Lakewood, 7:30pm-9:30pm

April 3, 2020, CMS General Meeting at St. Paul's Episcopal Church, Lakewood, 7:30pm-9:30pm

**Note, if Lakewood is on accident alert, the meeting may be canceled. Look at email and the CMS website for confirmation.*



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