



# Colorado Mineral Society Mineral Minutes



Volume 83, Issue 2

February 2019

## President's Message

by Debbie Kalscheur

### *It's Tucson Time!*

Everyone who has been in the mineral business or hobby for even just a little while knows that the end of January/early February is synonymous with the Tucson Gem and Mineral Show. I have never been lucky enough to go to the show yet [can anyone say "bucket list"?], but someday I will. I thought it would be fun to do a quick internet search on the topic and share some facts about the history of the show. Here is what I found.

First, the Tucson Show is actually a collection of shows, the main show at the convention center and 40+ "satellite" shows scattered across the city. It takes place over several weeks in late January to mid-February and brings over \$120 million in direct spending to Tucson, with \$50 million attributed to dealer sales.

The founding of the show can be traced back to a Denver mineral dealer named Bob Root. Bob convinced Clayton Gibson and Dan Caudle of the Tucson Gem and Mineral Society to have their club host a show. Over the years, I have heard there is a link between CMS and the founding of the Tucson Show. Perhaps this link is Bob Root? I found no proof of that on the internet, but perhaps Bob Root was a member of CMS. Actually, that is quite likely. What I did find is that the Tucson Gem and Mineral Society has sponsored the main show since its beginning.

In 1955, the first show was held at the Helen Keeling school where 1,500 people attended and admission was free. The following year, attendance doubled, even though an entry fee of a quarter was levied. The show grew modestly over the next 5 years, but took an enormous leap in size and prestige in 1960 when Clayton Gibson, the show chairman invited Mr. Paul Desautels, then assistant curator of the Smithsonian, to come to the show with an exhibit from that Institution's mineral collection. Mr. Desautels accepted that invitation and remained personally involved with the show until his retirement from the Smithsonian many years later.

The show remains the largest mineral show in the US and is one of the most prestigious in the world. Those who have attended have told me it is really a sight to see and generally one should expect to feel lost in the vastness of the show the first time attending. I hope that if you have never made the trek down to Tucson during this time of the year, you will one day consider it. For myself, I am looking forward to it!

On a personal note, I have been working on a project at work for the last year and a half that will be coming to fruition on the day of the CMS February meeting. Wish me luck. Unfortunately, work activities will prevent me from coming to the meeting. Gary Rowe has graciously agreed to run the meeting and if work interferes for him, Amber has agreed to be the host of ceremonies. In any case, you will be well taken care of. See you all in March!

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### Next CMS General Meeting February 1, 2019

The next CMS general meeting will be Friday, February 1, 2019 at 7:30pm. The meeting location is 10<sup>th</sup> and Garrison in Lakewood, Colorado at the St. Paul's Episcopal Church. The meeting is free and open to visitors and non-members. More information on the presentation is located on Page 2.

# February General Meeting Presentation

## Absolute Black

by  
Damon Hauschulz

Damon Hauschulz did a presentation at last October's CMS general meeting about a biographical story that traced the journey of a 9 ton gneiss boulder (called Bob) found in Fairplay, CO from its birth in an ancient volcano 1.8 billion years ago to unearthing by a glacier 10-20 thousand years ago. February's presentation is a story about another rock. The mystery begins with a lead provided by the Natural Building Stone Database. The journey goes halfway around the planet and way back in time to lost continents.



Wondering about your kitchen counter top? What is it and where did it come from? Is it really a granite? Check out the web site at: [www.natural-stone-database.com/](http://www.natural-stone-database.com/). You can search by trade name, type, or color. The database lists over 18,000 stone types from around the world.

As an example, a search for Juparana Columbo Gold (a popular counter top rock) turned up this picture plus a short description:

*A fine- to coarse-grained, yellow-brown gneiss, strong banded.*

*Uses: Ornamental stone.*

The database is by Abraxas, stone experts GmbH. They are located in Germany. The web site listed above is free but is a stripped-down version of their more complete version. Cost is 260 Euros for the complete version.

On the other hand, a direct search in Google for "Juparana Gold" gave many hits: One was from MISTONES (stone distributor?):

*Juparana Colombo Gold or Juparana Gold is an exotic granite quarried in India. It's an extremely hard igneous stone. It presents large gray veins over a yellowish brown background with some rust. It can also have peachy areas.*

*Formed of molten stone under the intense heat and pressure of inner earth, the magma slowly cooled and crystallized, forming granite. Juparana Gold granite is durable, weather resistant and beautiful.*

*One of the hardest of stones, Juparana Gold granite is excellent for stone cladding, curtain walls, water features, counter tops, furniture, and elevator panels.*

*Juparana Colombo Gold is quarried in a bedrock quarry formation near the town of Thagamalai in the state of Tamil Nadu, India. The size and color of each block is consistent between shipments. Upper layers of the quarry produce this stone, Juparana Colombo Gold, whereas the lower layers produce Juparana Colombo.*

Now the trick is to sort out the incorrect information. MISTONES calls the rock an "exotic granite", but since the rock is banded it is probably a gneiss, which is a metamorphic rock. On the other hand, MISTONES does indicate that the rock is quarried in India, which is very helpful if one wants to know more.

**Bio:** Damon Hauschulz is half engineer and half artist. He works as a staff research electromechanical engineer at the University of Colorado. Geology is an avocation where he uses the science of geology to inform the direction and composition of the art pieces. Two large rock panels are on permanent display inside the University of Colorado Earth Sciences Building.



## CMS Junior Rockhounds – A Growing February



For February's Junior Rockhound program, we will be learning about how and why Aragonite crystals grow on Dolomite.

A fun experiment will be sent home with the kids, then brought back to the March meeting for a short show and tell.

Parents are invited to attend the Junior Rockhound Program with their children to help them with their projects.

## January's Junior Rockhound Wire-Wrapping Class

Here are some photos of the January's Junior Rockhound Program featuring beginning wire-wrapping taught by Susan Gardner. Thanks Susan for making this a fun class!



Photographs provided by Mistyann Bateman and Susan Gardner

## CMS New Members

### First Listing

None

### Second Listing

Ray DeMark

Mike Sanders

Alan Perryman

Richard Overley

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



## Rockhound Origins

We are looking for new rockhound origin stories to publish in the newsletters, so please submit them to the editor at [editor.coloradomineralsociety@gmail.com](mailto:editor.coloradomineralsociety@gmail.com). The stories should be about 500 or so words long and tell us how you got interested in rocks and minerals and why you joined the club. Photos are welcome. See previous newsletters in 2018 for examples.



## Education Update

The CMS Board is proud to announce the offering of another advanced wire wrapping class instructed by Susan Gardner. This one is entitled, "Crystal 3D Tree of Life Pendant". The class will be **Saturday, April 6<sup>th</sup> from 1pm-5pm at the Lithos Mineral and Fossil Shop in Old Town Arvada (note a new venue)**. All class details are included in Susan's write-up on the next page. In addition, please keep in mind the following:

- Class sign up will begin at 7 pm at the CMS February General meeting. Please note that the class may fill before the meeting begins. Checks are preferable, but cash will be accepted. Payment by credit card is not possible at this time.
- If you are not able to attend, please arrange for someone to sign up for you at class. Because this class is expected to fill quickly, we will not be able to accommodate sign-up through the mail.
- Payment is required to secure a spot in the class. You do not have a confirmed spot until you have paid even if you put your information on the sign-up sheet. Please do not sign up on the sign-up sheet if you do not have payment the night of the meeting.
- It is critical that you include your current email and phone number where you can be reached and that you print clearly on the sign-up sheet. If we cannot track you down, your check will be returned to you at a subsequent CMS meeting.
- All those with a confirmed seat in the class will receive a confirmation email from Susan by the end of February. If you do not receive a confirmation email, please reach out to Ben Geller as you may not be confirmed in the class.
- This class will be subsidized by CMS and therefore is only open to 2019 CMS members. If you are not a member or have not yet renewed for 2019, please do so at the February meeting if you sign up for the class. You may sign up and pay for the class and then take care of membership the same night. The class list will be checked to ensure all are members and your spot will be forfeited if membership is not current.
- This is an advanced class and has a prerequisite of a beginners wire wrap class
- Class maximum is 15 students. Minimum age 12. A waitlist will be maintained.
- **Cost to CMS members for this class is \$30.** If you are confirmed and then cannot attend, please notify Susan Gardner and/or Ben Geller as soon as you know. If a replacement is found, your fee will be returned to you.



## Perfectly Twisted Jewelry

### Crystal 3D Tree of Life Pendant

**\$60 Per Student (CMS Member Cost: \$30)**

**Includes material kit.**

#### Kit contents:

- 80 Feet 30g round copper wires spooled for tree making. Plus one extra spool for home!
- 5 feet 28g round copper wires for canopy beads
- Gemstone Canopy Beads
- Crystal Point
- Necklace rope

#### Class Date:

Saturday, April 6th from 1pm to 5pm

**Venue:** Lithos Mineral and Fossil shop in Old Town Arvada, Colorado

#### Lithos

**5695 Yukon St, Arvada, CO 80002**

**\*\*\* Not the Church \*\*\***

**Class Project:** Students will create a beautiful Crystal Tree of Life Pendant, using copper wires and gemstone canopy beads. Students will have their choice of gemstone bead colors and crystal points.



Teacher: Susan Gardner

Email: [lzyzGumbo@gmail.com](mailto:lzyzGumbo@gmail.com)

Web: [www.PerfectlyTwistedJewelry.com](http://www.PerfectlyTwistedJewelry.com)

Etsy: <https://www.etsy.com/shop/PerfectlyTwisted>

Blog: <http://perfectlytwistedjewelry.blogspot.com/>

In this class, students will learn how to create a gorgeous wire wrapped and beaded Crystal Tree of Life Pendant. This is an easy and enjoyable project for students of all skill levels.

I teach a clever way to construct the tree all the way around the crystal and then bury all of the cut wire ends, so the tree pendant is 'scratch free'.

I will bring Clear Crystal Points, Citrine points and Amethyst points for wrapping. The gemstone canopy beads are blended and will consist of green Peridot and green Opals as a primary base color.

The accent beads will be:

Pink Tourmalines / Rose Quartz ... (google Cherry Blossom trees)

Orange Carnelian / Sunstones .... (google Azalea trees)

Purple Tanzanite / Amethyst / Iolites ... (google Wisteria trees)

I will have beads of all sorts! So think apple trees, berry bushes, mystical fun trees... all sorts!

These make wonderful gifts of jewelry and I often get requests to accent the trees with gemstones that represent a family birthday, the kids... etc... Just some ideas for your future trees.

The tree of life symbol crosses all cultures and stems back to our ancient ancestors. It represents wisdom, strength, prosperity, protection, beauty and connection to our Earth.

This is a beautiful project and I hope to see you there!



## News from Pat and Zelda

For those of you heading to Tucson for the mineral show, lifetime CMS members Pat Tucci and Zelda Bailey (GEOdyssey, LLC) will be participating in the Tucson Gem and Mineral Show this year. We are in booth #223, which is in row 200 in the back on the right as you enter the show. We will be featuring minerals from Bulgaria (sphalerite, galena, quartz), Morocco (azurite, vanadinite), Namibia (amethyst, aquamarine, tourmaline, enhydro quartz), China (fluorite, calcite, quartz), and other locations in the US and around the world. We will also have a good selection of fossils, including fossil fish from Wyoming, spinosaur teeth and sharks teeth from Morocco, Megalodon shark teeth from South Carolina, ammonites, and trilobites from Utah and Morocco.

*Show us your CMS club badge and get a 20% discount! We look forward to seeing you there – Pat & Zelda*

Tucson Convention Center, 260 South Church Avenue, Tucson, AZ

February 14-17, 2019

Thurs., Fri., Sat.: 10:00 - 6:00, Sun. 10:00 - 5:00

Admission: \$13 (adult), Children 14 and under free with paying adult.

See <http://www.tgms.org/show/> for additional information

## January 4, 2019 Raffle News

Another great raffle! January's ticket sales amounted to \$231, with the retail value of \$215. The most popular specimen was the pyrite cube (\$75) donated by **Daniel Ulibarri, Piritas De Navajun** and won by a smiling *Deanna Mackenna*. The twin cactus quartz specimen (\$73), donated by **Harvest Gold Silica** was won by a *Bobby Manning*. The quartz, scepter growth, crystal specimen (\$43), donated by **Marty Zinn**, was won by a two time winner *Bobby Manning*. *Deanna Mackenna, also smiling as a second time winner*, won the lab grown pruskite specimen (\$17) that was donated by **Marty Zinn**. The petrified wood from Eden Valley, WY (\$14), donated from the **Bob & Mary Disney Collection**, was won by that lucky *Aaron Cross*. Last but not least, *Amber Brenzikofer* won the gypsum (var. selenite) specimen from Lake Meade, Henderson, NV (\$9) that was donated by **Marty Zinn**.

**Thank you 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 and Dale Gann for helping with the raffle.

*Congratulations to all the lucky winners!!!!*

Submitted by Eva Siemonsma, CMS Raffle Manager

## CMS 2019 Membership Dues – Time to Renew

A membership form is located on the CMS website at [www.coloradomineralsociety.com](http://www.coloradomineralsociety.com).

### CMS Membership Dues:

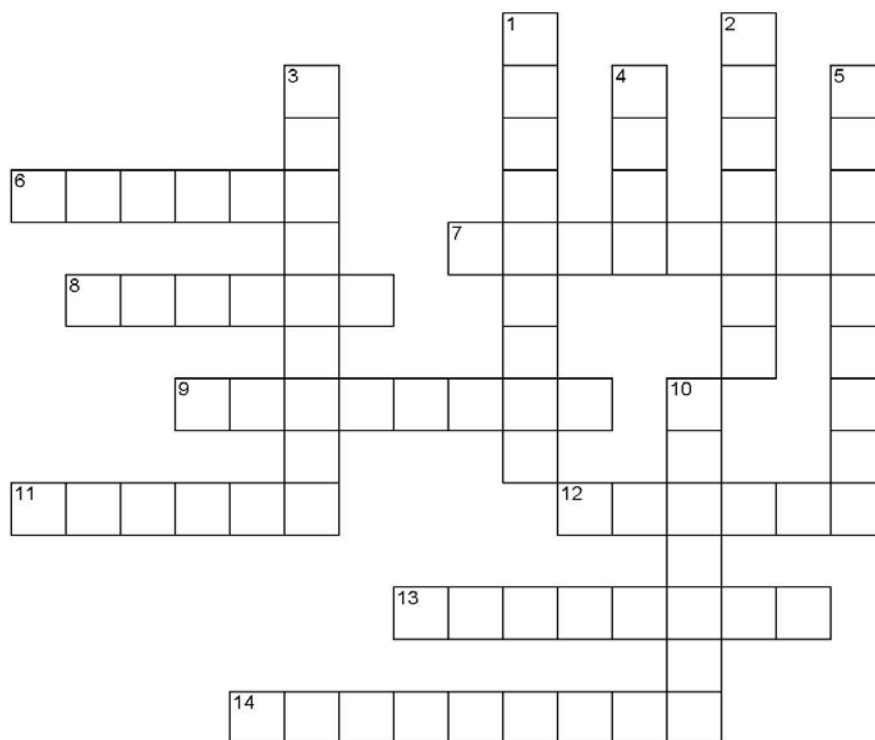
Family: \$20 per year	Single: \$18 per year
Senior 65+ (single or family): \$15 per year	Junior (<12 years old): \$15 per year

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.

# Common Minerals



www.rocksandminerals4u.com

## ACROSS

- 6** the main source of lead
- 7** an iron ore, sometimes used in jewelry
- 8** sometimes called fool's gold
- 9** sulfide mineral, long metallic slender bladed crystals
- 11** a very heavy sulfate mineral
- 12** rock salt
- 13** calcium fluoride
- 14** a bright green copper carbonate

## DOWN

- 1** a naturally magnetic rock
- 2** a bright blue copper carbonate
- 3** metamorphic quartz sandstone
- 4** a silicate mineral known for its perfect cleavage into thin sheets
- 5** strontium sulfate, its name means celestial
- 10** a common carbonate mineral, often a replacement mineral in fossils

Answers will be provided in next month's newsletter

Permission to use crossword provided by [www.rocksandminerals4u.com](http://www.rocksandminerals4u.com), a great resource for information from two teachers. They also have two other websites you can check out:

<https://www.fossilicious.com> - an online rock shop specializing in affordable fossils, rocks, minerals, and educational materials related to geology.

<https://www.fossils-facts-and-finds.com> – a free information site devoted to fossils and geologic time.



# BIG SALE

## Announcing A Ridiculously Awesome Mineral & Book Sale at the Museum!

Mines Museum  
Colorado School of Mines Campus  
1310 Maple Street, Golden, Colorado

### *Museum Friends Members Only Sale*

**Saturday, March 2, 2019**

**8:00 a.m. to 10:00 a.m.**

Members receive a 20% discount on purchases  
(Drop by and become a member!)

### *The Public Sale*

**Saturday, March 2, 2019**

**10:00 a.m. – 6:00 p.m.**

A colossal selection of minerals, rocks, books, maps, journals, fossils, etc.  
Prices will vary by item or box. All sale proceeds go to the Mines Museum.

Information: 303-273-3815; <https://facebook.com/CSMGeologyMuseum/>;  
<https://friendsofcsmgemuseum.org/>



Rocky Mountain Federation News  
[www.rmfmfms.org](http://www.rmfmfms.org)



AFMS Newsletter  
<http://www.amfed.org/news/default.htm>

# Lagerstätten

Exceptional preservation. Extraordinary fossils.

\* Unique sites with remarkable fossil preservation

**March 23-24, 2019**

11th FOUNDERS SYMPOSIUM

• Talks • Fossil displays • Poster session  
• Exhibits • Paleo art show & sale

**Speakers**  
Derek Briggs (Keynote)  
William Ausich  
Brent Breithaupt  
John Foster  
Lance Grande  
James Hagadorn  
Frank Krell  
Martin Lockley  
John Maisey  
Jim Mead  
Herb Meyer  
Roy Plotnick  
James Schiffbauer  
Blaine Schubert  
Hans-Peter Schultze



Presented by the Western Interior Paleontological Society  
Lowry Conference Center,  
1061 Akron Way, Denver  
symposium@westernpaleo.org  
westernpaleo.org



New venue with lots of free parking!

## JEWELRY, GEM & MINERAL SHOW

**GEMS  
MINERALS  
DISPLAYS  
BOOKS  
DEMOS:**

**Cabbing  
Flatlapping  
Faceting  
Flint knapping  
Wire Wrapping  
Stone Carving**



**JEWELRY  
CRYSTALS  
FOSSILS  
GEM &  
MINERAL  
DEALERS**

**Free  
Admission!**



**February 22nd – 24th, 2019**

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

**JEFFERSON COUNTY  
FAIRGROUNDS**

18200 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**



## For Sale

CMS has over 50 vintage metal milk crates that we received from the Bob and Mary Disney's estate donation last summer. They used them to store rocks in. There are two types of crates: 1) zinc coated Carnation Milk crates, and 2) aluminum Colorado Springs dairy crates. Both types of crates are date stamped from 1957 to 1961 and have the following statement on a side, "WARNING THIS CASE PROTECTED BY PINKERTON DETECTIVE AGENCY". Price is \$20 per crate. If interested, contact Amber Brenzikofer at [editor.coloradomineralsociety@gmail.com](mailto:editor.coloradomineralsociety@gmail.com).



## Colorado Mineral Society General Meeting on January 4, 2018

Call to Order – Debbie Kalscheur, President at 7:30pm

Attendance: 70 adults and children

### General Announcements:

Debbie Kalscheur welcomed visitors and new members. Thanked everyone who participated and volunteered at the Denver holiday party. Reminded members that CMS is looking for Rockhound Origin stories (500 words) for the newsletter. Also reminded people that it was time to renew memberships. Indicated that there were two positions available on the board including a permanent donations chairperson and someone to shadow for the Annual Auction Chairperson and take over next year.

Paul and Cindy Hatfield gave out door prize tickets and introduced new visitors.

### Officer and Committee Reports:

Gary Rowe reported on upcoming presentations and the Board is working on an online field trip sign-up process.

Ben Geller talked about the upcoming "tree of life" wire wrapping class in April. In addition, Boyd Cook has offered to teach a class on assembly of small ultraviolet flashlights, which a date is still yet to be determined. Boyd is selling chargers for the UV flashlights. Sign-up sheets for the classes were offered.

Loni Cole discussed the club's financials that were available for review.

Melanie Dies read the new member names to the group and took membership renewals along with Leslie Osgood.

Amber Brenzikofer presented a couple of vintage crates that were for sale as part of last summer's estate donation from Bob and Mary Disney. CMS has over 50 crates available so contact her if interested. She has sold a couple on eBay so far. She was also selling CMS t-shirts, bumper stickers, pins, and patches.

### Door Prize Winners:

Phyllis Bray	Boyd Cook
Susan Gardner	Lora Kokkinen
Marcus Lieberman	Shannon Whitmore
Dan Wray	

Raffle - Eva (see Raffle news in this newsletter)

Presentation: "Mineral Specimen Mining, Preparation and Sales in the 21st Century" by Philip Persson

Meet adjourned at 9:45pm.

*Notes taken by Amber Brenzikofer for the Secretary*

## Colorado Mineral Society Board Meeting on January 15, 2019

Attendees: Debbie Kalscheur, Ben Geller, Gary Rowe, Aaron Cross, Loni Cole, Amber Brenzikofer, Leslie Osgood, Eva Siemonsma, John Smith, Boyd Cook (by phone)

Call to order: 7:05 PM by Debbie

### Open Positions:

- Donations Chair: Alice Gemmell has volunteered (DMNS Egypt Study Society, Teacher at Aurora Center for Active Adults)
- Auction chair: Still open, Amber will advertise in the newsletter.
- Grab bags: Amber will check with Marchelle Carlton to see if she is still interested in this position. Otherwise, will need to advertise.
- Web developer: new position, need to poll CMS members at meetings to see if anyone has the expertise, then advertise position in newsletter.

### Board Approval:

- AFMS Endowment Donation: Debbie reported that the American Federation of Mineralogical Societies (AFMS) has requested donations from clubs and their membership. Requirements for donation \$75 minimum cost and no heavier than 5 pounds. Board agreed to donate a specimen.
- Education: Tree of life wire wrapping class (April) \$60
  - Board agreed to pay half the cost of the class (\$30/student), CMS members to pay \$30
  - Sign up starts at 7:00pm at February meeting; payment due at sign up to hold spot
  - 15 people max

### Special Topics:

- Boyd Cook: Shirts/new vendor and new style
  - Boyd to get options about price and style/material
- Strategy Development: Restart for final meeting in February or March. Debbie to send out a Doodle poll with dates.
- UV Flashlight Chargers: Boyd to sell directly at meeting for \$7 with 10% to CMS
- Membership/fieldtrip Signup Software Programs: Gary reported that he has been talking with Julio who recommended WordPress for the website development
  - membership fees app and payment system
  - possible mirror copy of Friends of CSM Geology Museum
  - use Google forms for field trips as a starter this year then full electronic software
  - present options at February board meeting and decide what CMS will use
- Facebook: Ben needs more articles and items to post
- Annual Auction:
  - Venue has been confirmed
  - New check in process: Have a check-in table to review bid slips, which cannot be filled out on the floor. Need to make sure to advertise new procedures to sellers.
  - Three flat maximum per seller, then open call if there is still room on tables
  - Direct sale: cash-n-carry for sell now items from estate donations (buckets of rocks, saw)
  - Marketing: Ben to make 300 auction flyers

### Officer/Committee Reports:

- Secretary: Aaron will send out Board minutes right after meeting for review
- Treasury: Loni gave a detailed treasurers report to board members on expenses and costs to date.
- Raffle: Eva gave a raffle report and indicated how much money was available for education expenses.
- Newsletter: Amber set the deadline for the newsletter for January 23<sup>rd</sup>. Amber would also like to get costs for developing a rack card for CMS to put at the museums, she will get a bid.
- Meeting Speaker Lineup: Gary reported that February's speaker will be Damon Hauschulz who will do Part 2 of his story on the origin of rocks. March's speaker will be Markus Raschke who will talk about China. April's speaker may be Mark Leatherman talking about Blanchard Mine or another topic.

### Other Topics:

- John Smith is retiring and moving to Florida. The Board thanked John for his generous support and contributions to CMS while a member and past President.
  - Next scheduled board meeting: February 18<sup>th</sup> at Leslie's, unless otherwise notified.
- Meeting adjourned 9:00pm

*Meeting Minutes taken by Aaron Cross, Secretary*

## COLORADO MINERAL SOCIETY OFFICERS

2019

President: Debbie Kalscheur

First VP-Programs: Gary Rowe

Second VP-Education: Ben Geller

Secretary: Aaron Cross

Treasurer: Loni Cole

### Appointed Board Members - Committee Chairpersons

Annual Auction: Ben Geller

Door Prizes-Guests: Cindy and Paul Hatfield

Library: Kevin Atwater

Display Chair: Chris Keilman

Membership: Leslie Osgood

Field Trip Leader: Gary Rowe

Field Trip Leader Co-Chair: Nels Grevstad

Nominations: John Smith

Grab Bags: **Open?**

Publications: Amber Brenzikofer

Historian: Amber Brenzikofer

Jr Rockhound Coordinator: MistyAnn Bateman

Jr Rockhound Assistants: Joanna Morsicato/Wendy Carley

Hospitality: Star Edwards

Donations: Alice Gemmell

Web Master: Julio Edwards

[coloradomineralsociety@comcast.net](mailto: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 effective January 1, 2018: \$20.00 for a Family, \$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.

Any material herein may be reproduced by any club if proper credit is given. Material from many sources is used in the Mineral Minutes. While it is believed that these items are accurate, neither the editor nor CMS assumes any liability for their use. Advertiser's claims are their own, and their products are not warranted by CMS.

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](mailto:editor.coloradomineralsociety@gmail.com)





Colorado Mineral Society  
PO Box 280755  
Lakewood, CO 80228

## FIRST CLASS MAIL



### Calendar of Events

**February 1, 2019, CMS General Meeting** at St. Paul's Episcopal Church, Lakewood, 7:30pm-9pm

**March 1, 2019, CMS General Meeting** at St. Paul's Episcopal Church, Lakewood, 7:30pm-9pm

**April 5, 2019, CMS General Meeting** at St. Paul's Episcopal Church, Lakewood, 7:30pm-9pm

**Note:** If the City of Lakewood is on accident alert due to winter driving conditions, the general meeting will be canceled. Check the website and your email for confirmation on any meeting cancelations.

Happy  
Valentine's  
Day

<http://www.coloradomineralsociety.org>