



Colorado Mineral Society

Mineral Minutes



Volume 82, Issue 1

January 2018

President's Message

by Debbie Kalscheur

Hello everyone! The week between Christmas and New Year's is always a special time for me. It is an opportunity for looking back on the year ending with gratitude and appreciation of all what has transpired while looking forward to the New Year that is about to begin with optimism and anticipation of what is possible. This year, I am finding CMS taking center stage to my year end thought process. As 2017 winds down, a number of people, including myself, prepare to take on new roles within the Colorado Mineral Society (CMS). Although I have served in various positions over the years, I was always hesitant to take on the role of President, largely due to career and travel demands. But this year, the timing seemed right and I am honored that the Board approved of my nomination and thought me up to the task.

I know it has been said before, but both the heart and the motor of CMS is its volunteers. Thank you to all who have contributed to the Club in any way in 2017. From volunteering for roles in our monthly meetings to supporting our annual silent/verbal auction - - lending your specimens for the CMS Prospectors case at the Denver Show to documenting all the dealings and business of the Club- - all contributions are greatly appreciated and are the creative force that makes CMS the special club it is with an enduring legacy, 80+ years strong.

I would also like to offer "a thousand thanks" to all the Officers of CMS that are retiring from their positions this year and who have taken the time to ensure a smooth transition to their successors. Thank you, John Smith, for not only being our President, but also for your amazing generosity over the years. I am inspired by your example. The simple words of "Thank You" do not seem enough for Eva Siemonsma who served as the CMS Treasurer for over 20 years. Thank you, Eva. Your energy and devotion to the Club has made an indelible mark and has paved the path for an entire generation of members. I am humbled by all you have done for CMS over the years. Thank you also to Sandra Gonzales who served as Secretary for many years. Your perennial optimism and keen sense for what is possible has been both a motivating and stabilizing force. I know that all three of you will continue your involvement in CMS in a variety of ways. Thanks again for all you have done and continue to do.

There are many others that are so deserving of appreciation for all of the hours, energy and resources they devote to the Club. I know you know who you are. Thank you!

I would also like to recognize the brave souls who have stepped up to the plate to serve and have been elected as CMS Officers for this coming year: Ben Geller, 2nd VP; Loni Cole, Treasurer; and Aaron Cross, Secretary. I look forward to working with all of you in this coming year [and beyond]. Welcome to the Board!

Continued on Page 2

INSIDE THIS ISSUE

- 3 CMS Education Update
- 4 The Pegmatites of Colorado: a survey of localities
- 8 2017 CMS Holiday Party
- 10 Meeting Notes

CMS Membership Dues Increase Starting January 1, 2018

CMS membership dues increase goes into effect January 1, 2018. If you pay your 2018 dues before December 31, 2017, you can get grandfathered in under the old rate. Send your renewal checks to the P.O. Box at the bottom of this page. With a postmark date no later than December 31st.

President's Message (continued)

I truly believe that CMS is a special club. It is the oldest and largest of its kind in the Denver area and actively promotes related education among its members of all ages. It is an amazing Legacy and I am proud to be part of it in some small way. CMS has been a large part of my own personal realization as a rock hound. Growing up in rural Wisconsin, I had no real knowledge of what being a rock enthusiast/hound was. I will share my "Rock Hound Origins" in the February newsletter and think it would be fun to hear yours. If you would like to share your story of how you discovered yourself to be a rock hound, please write it down and email it to either me [president.coloradomineralsociety@gmail.com] or Amber [editor.coloradomineralsociety@gmail.com]. Depending on response, we will include at least some of them in upcoming newsletters.

2017 has been a great year for CMS. We had a successful auction, offered a full program of summer field trips, once again won the Prospectors case at the Denver show [Thank you, Amber!], reviewed and updated the club by-laws, and initiated the first of a series of classes [this time wire-wrapping]. And now, 2018 is upon us. I am super excited for CMS in 2018! I know new ideas for how we can continue to grow, enhance and promote CMS are out there and it will be fun to consider them all. If you have ideas for how to improve or grow the club, please share them with me or any other Board member.

Quick reminder to all that dues are increasing for the first time in many years. The new rates will apply to all new and renewing members beginning Jan. 1, 2018. Happy New Year, Everyone!

CMS New Members

First Listing

Shannon and Stephen Wilkins &
family
Victoria Rieck

Second Listing

Jennifer Carey-Poissonnier and Chuck
Poissonnier & family
Susan Gardner and Jim Galagher
Lisa and Brian Klingbeil & family
Adrian and Kirsten Saunders & family
Lori and Will Sander
Billy and Debbie Bell
Regina Fritts
Victor BURGUEST

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

Next CMS General Meeting and Presentation January 5, 2018

The next CMS general meeting will include a presentation by Mark Jacobson titled: "The Pegmatites of Colorado: a survey of localities". An abstract and photos of the presentations are included on Page 4. Please join us for an entertaining evening.

Guests and visitors are welcome at the general meetings. The meeting starts at 7:30pm at the St. Paul's Episcopal Church, 10th and Garrison in Lakewood.



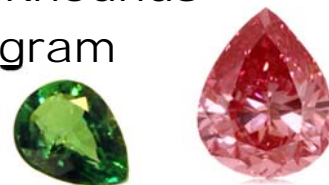
CMS Junior Rockhounds January Program

Topic: *The World of Gems*

Presenter: *Mike Dempsey, Geologist*

Overview: We will explore the world of cut gems and gemology. We will learn how gems are formed and see what types of inclusions are in natural and synthetic cut gems. We will have an opportunity to use a microscope specifically designed to observe the beauty of gems. Many thanks to John Smith for letting us use his dark-field microscope.

Parents are invited to attend the Junior Rockhound Program with their children. Although the youth do not need any supplies for this meeting, a pencil or pen and a notebook may be helpful for taking notes.



Rocky Mountain Federation



News
www.rmfm.org

A.F.M.S Newsletter

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



CMS Education Update

by Debbie Kalscheur

The December CMS Basic Wire Wrapping class went off without a hitch and a great time was had by all! I would like to relay a Big “Thank You” to Susan Gardner, our fearless instructor, for an amazing class and infinite patience in bringing 16 students along in the journey of wire wrapping. She is extremely talented in the Art of Wire Wrapping as well as in the Art of teaching it. For most students, this was their first wire-wrapped pendant creation. Although considered a “basic” wrap for a pendant (see above), I think most were amazed at how good all the projects turned out. In addition to a completed project, a great deal of fun was had by all. Thank you also to Susan’s assistants as well as to everyone who attended the class.



The January class is completely full and is confirmed for January 8 and 15. We will meet again at St. Paul’s [same place] with class beginning at 6:30 pm [same time]. For this class, we will be using round wire instead of the ½ round. The stone will be Opal. A reminder email will be sent out to everyone confirmed for the January class. If you have tools, please remember to bring them. Like the first class, there are limited tools available to share. If you have any questions, please reach out to Debbie Kalscheur by email [kalscheur2004@yahoo.com].

Great news! For those who were on the wait list for the first two classes or previously expressed interest in a Wire Wrapping class but did not get signed up for Dec/Jan, CMS is planning on offering another Basic Wire Wrap class in February. The planned dates are Feb. 19 and 26. Those who have not attended either of the first two classes will have priority for sign-up until January 15th at which time remaining spots will be open to alumni. Student cost is \$30 with CMS matching with the other \$30. Checks are preferred. Please make them out to CMS. Payment confirms a spot in the class. Sign-up will be held at the January meeting and February as well if there is still space available. If you are not able to sign up at the meetings, please send Debbie Kalscheur an email to make arrangements for sending in payment. As a reminder, the Basic Wire Wrap class details are below.

February Basic Wire Wrapping Class – Pendant (repeat of December class for new students)

Meeting Location: St. Paul’s in Lakewood (10th and Garrison) – classroom to be confirmed

February 19th (2.5 hours) 6:30 pm to 9 pm ... Part 1, Basic Skills,

1. Introduction to hand tools used in wire wrapping
2. Presentation of how to measure and prepare wires
3. Review of kit and class project (pendant)
4. Hands on: begin to wrap and get midway through class project

February 26th (2.5 hours) 6:30 pm to 9 pm ... Part 2, Completion of Pendant

****Please note:** Students must bring back project from 1st class

5. Review of skills from previous class – answer questions
6. Introduction of the reversible bale – finishing techniques for pendant
7. Remaining instruction for completing pendant – some students may finish



Project kit:

Each student will receive a kit to be used for the class project (pendant) as part of the per student cost. Kit includes the following: 12 feet of 21g square copper wires, 6 feet of 21g half round copper wires, PDF Tutorial document for home reference, printed “short form” outline for classroom and home use, and one small cabochon. Students are welcome and encouraged to bring their own beautiful stone to wrap during class.

Please Note: if you are interested in upgrading your kit to sterling silver wire instead of copper, you may do so for an additional \$15. You will be asked upon signing up for class if you wish to upgrade. The additional \$15 will be collected first day of class. The sterling silver wire provided in the upgrade will be enough for 1 pendant – up to a 3 X 3 inch stone.

Tools:

Susan will provide access to 5 toolboxes to be shared during class time. Students who have their own tools or who are interested in purchasing tools prior to class are encouraged to bring them to class. If you have extra tools at home, please bring them to share. The following tools will be used in the class: flush cutters, round nose pliers (smooth surfaces), chain link pliers, nylon jaw pliers (optional). A tool list with purchase options will be provided to confirmed students.

The Pegmatites of Colorado: a survey of localities.

Mark Ivan Jacobson
1714 S. Clarkson St.
Denver, CO 80210

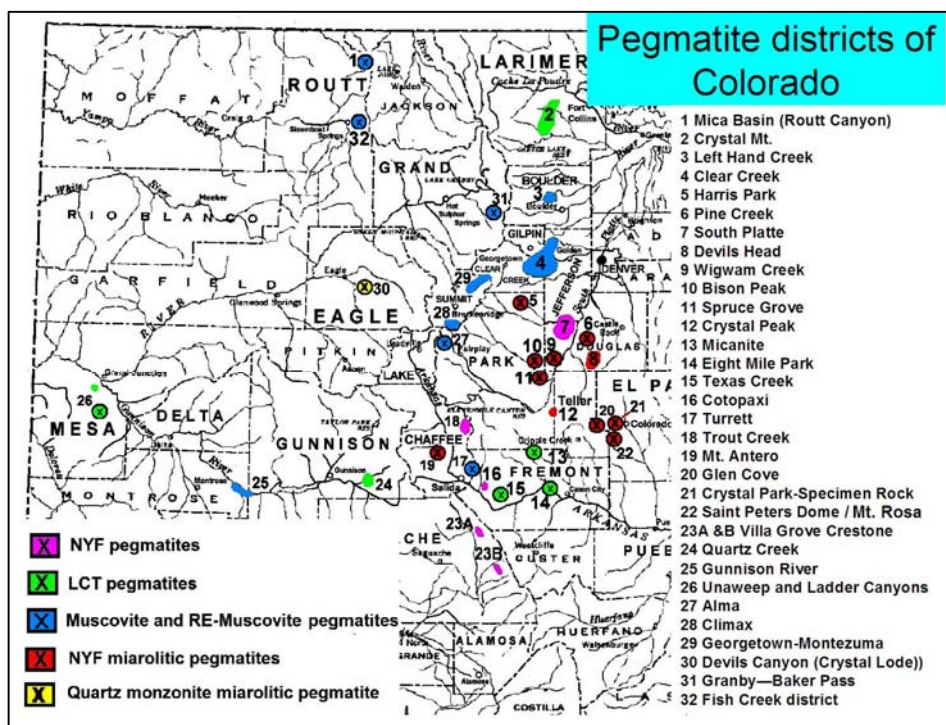
E. Wm. Heinrich, one of the geologists who mapped Colorado's pegmatites during World War II, wrote that "Colorado should have been named *The Pegmatite State.*" Although other states have more lithium-bearing gem pegmatites or more economic pegmatites, Colorado probably has the greatest pegmatitic diversity and wide spread distribution in the USA (Hanley, Heinrich and Page 1950).

Compositionally, Colorado pegmatites are granitic to quartz monzonite, tonalitic, gabbroic, nepheline syenite, alkalic proxenite and alkalic granitic. This presentation will only discuss the granitic to quartz monzonite pegmatites. Černý and Ercit (2005) classified pegmatites with a granitic composition into abyssal, muscovite, muscovite-rare element, rare-element and miarolitic classes based on their interpreted depth of formation meaning temperature and pressure. These pegmatite classes are subdivided into either the NYF or LCT petrogenetic families. NYF means those pegmatites that have a meaningful presence of N iobium, Y ttrium OR F luorine minerals. LCT means those pegmatites that have a meaningful presence of L ithium, C esium OR T antalum minerals. The observation of minerals containing all three elements is not required.

These pegmatites are interpreted to have crystallized rapidly on the order of weeks to years by disequilibrium fractional crystallization (London 2008). Pegmatites crystallize from water-undersaturated melts; only crystal-lined pockets are proof of water saturation.

Most of Colorado's significant pegmatites fall into the rare-element and miarolitic classes in both the NYF and LCT families. They are found within restricted age ranges related to tectonic activity. Most of the pegmatites fall into the following ranges: 1810-1610 Ma (Proterozoic – the orogenic Routt plutonic suite, formerly Boulder Creek), 1450-1350 Ma (Proterozoic – the an-orogenic Berthold plutonic suite, formerly Silver Plume), 1040-1090 Ma (Proterozoic – the an-orogenic Pikes Peak plutonic suite), 504-704 Ma (Cambrian), and 70-30 Ma (Late-Cretaceous to Tertiary).

Colorado has 43 clusters of pegmatites that can be referred to as districts or using modern terms pegmatite fields. Within the Pikes Peaks Granite, 10 clusters of miarolitic pegmatites can be recognized, which are included in the 43. Not all of them will be discussed in the presentation (Heinrich 1957, Jacobson 1986b).



Continued on Page 5

The Pegmatites of Colorado (continued)

The Crystal Mt. district, Larimer County, (Berthold plutonic suite) is classified as an LCT beryl-columbite-phosphate pegmatite district. The district has abundant iron-manganese phosphates, several notable occurrences of chrysoberyl with several lithium-bearing pegmatites containing amblygonite, triphylite, spodumene and lepidolite. The district at different times was mined for muscovite, beryl and crushed road metal (Thurston 1955, Jacobson 1986a, 1987).

Left Hand Creek, Boulder County, can be possibly classified as an Muscovite-REE pegmatite district. The district is best known for the reputed occurrence of cerite which recently was more properly identified as fluorbritholite associated with allanite. The district at different times was mined for muscovite (circa 1890) and beryl (during World War II).

The Clear Creek district, within Clear Creek, Jefferson and Gilpin Counties, possibly has several different types of pegmatites of possibly different ages. The pegmatites within this group which are located in a migmatite terrane, may not even have been derived from granites but may have had an anatectic origin, via the direct melting of the country rock and its upward intrusion into colder schists. As an entity, the field exhibits Muscovite-REE pegmatite characteristics. But individually, the most mineralogically evolved pegmatites exhibit LCT beryl-columbite pegmatite and NYF allanite pegmatite characteristics. The field had several pegmatites that were mined for beryl. The Bald Mt Tourmaline pegmatite is the only known lithium-bearing pegmatite in the district, containing green elbaite and lepidolite (Boos 1954, Sheridan 1964, Jacobson and Tilander 1982). Chrysoberyl has been found as significant specimens in several pegmatites. The district at different times was mined for muscovite, feldspar, beryl and crushed road metal.



Green elbaite in quartz, Bald Mt

The South Platte district, Jefferson County, is classified as a NYF rare-earth element district, with subtypes of allanite-monzite and gadolinite. All of the pegmatites contain white quartz cores with intermediate zones of microcline feldspar and a wall zone with giant biotite books (Simmons and Heinrich 1980). Scattered vugs in the pegmatites have yielded quartz crystals, and fluorite. Giant euhedral crystals of granular topaz in matrix has been found in a few. Cyrtolite (metamict radioactive zircon), allanite, xenotime, monazite, samarskite, fluocerite, fergusonite, thorite and other rare-earth minerals are conspicuous in these pegmatites. The pegmatites are found within their source granite and were economically mined at different times for their potassium feldspar, white quartz, rare-earth elements and road metal gravel.

The Eight Mile Park district, Fremont County, is classified as an LCT beryl-columbite district (Heinrich 1948). Most of the pegmatites only have a few zones or no zones at all. The Meyers pegmatite is the only known lithium-bearing pegmatite with a core-margin cleavelandite unit containing lepidolite, green and pink elbaite, montebrasite and the now discredited natromontebrasite (montebrasite with a surface alteration coating of lacroixite, goyazite and wardite). The Mica Lode pegmatite, just to the west, is known for its triplite, radioactive columbite and white alkali (Na-rich) beryls in a red albite matrix. The separation of the Mica Lode pegmatite by only 35 meters from the western end of the Meyers pegmatite has caused the erroneous reporting of lithium minerals from the Mica Lode which are actually from the Meyers pegmatite. The district at different times was mined for muscovite, beryl gemstones, potassium feldspar, and crushed road metal.

The Devils Hole district, Fremont County, is classified as an LCT beryl-columbite district. Most of the pegmatites only have a few zones. The Chief Lithia pegmatite is the only known lithium-bearing pegmatite in the district with a cleavelandite unit containing lepidolite, green elbaite, beryl and topaz (Heinrich and Vian 1965). The Devils Hole pegmatite is known for its incredibly deeply-colored rose quartz, giant beryls used for ore during World War II and ferrocolumbite. This pegmatite was discovered by James D. Endicott of Cañon City circa 1908, named the Wild Rose, and mined for muscovite mica, deep rose quartz, and aquamarine (Sterrett 1923). The district at later times was mined for beryl ore, decorative rose quartz, potassium feldspar and crushed road metal.

The pegmatites around Trout Creek Pass, east of Buena Vista, are NYF pegmatites of the euxenite class. The two most prominent, the Yard and Clora May pegmatites, contain aeschynite-(Y), allanite-(Ce), xenotime-(Y), monazite-(Ce), zircon variety cyrtolite and polycrase-(Y). These pegmatites were prospected and mined for microcline feldspar in the 1920s.

Continued on Page 6

The Pegmatites of Colorado (continued)

The Quartz Creek District, Gunnison County is classified as an LCT rare-element complex-lepidolite pegmatite district (Staatz and Trites 1955). The district contains 1,803 mapped pegmatites which seem to surround the centrally located Black Wonder pegmatitic granite. The most famous pegmatite in the district, the Brown Derby was mined during World War II for its lepidolite (Li) and microlite (Ta). Opaque green, blue, pink and watermelon elbaite are common from this pegmatite as well as curved lepidolite plates and granular, slightly altered pollucite. The nearby Bazooka pegmatite has produced spodumene, pink elbaite and amblygonite. Beryl, columbite, and monazite, are found in other pegmatites.

The Unaweep Canyon district, Mesa county, is classified as an LCT beryl-columbite district (Jacobson 1990). The area has had very little mining. Blue beryl has been mined for specimens from the Blue Bird Claim and nearby pegmatites on the north side of the canyon. From the south side of the canyon, prospecting of the pegmatites around Thimble Rock has also produced beryl and a report of lepidolite. The Grady pegmatite in nearby Ladder Canyon was prospected for muscovite mica in the 1920s.



Topaz scepter, Crystal Peak

The Pikes Peak Batholith, almost immediately after the gold rush days of 1859, was recognized as containing valuable minerals both as gemstones and scientific mineral specimens. Smoky quartz and amazonite were soon found near Elk Creek, Harris Park by 1867, Cameron's Cone near Pikes Peak in 1820 with its rediscovery in 1873 and Crystal Peak in 1872. Topaz at Devils Head was discovered in 1883. Phenakite, zircon and other rare-earth minerals soon followed from other areas. Active digging in the Pikes Peak Batholith continues to uncover excellent specimens with new discoveries still being made. The discovery of large sherry topazes from near Cameron's Cone are the most recent.

The gem minerals from Mount Antero, aquamarine, phenakite, bertrandite and the rarer topaz, are found in Tertiary-aged NYF miarolitic pegmatites and associated hydrothermal veins. Their occurrence is related to the widespread Tertiary-aged igneous intrusions and associated surface volcanism in Colorado. Prospecting activity for these deposits remain restricted to Mount Antero, although other leucogranitic plutons are exposed nearby in the Sawatch Mountain Range (Jacobson 1993).

The Devils Canyon miarolitic pegmatite, also known as the Crystal Lode pegmatite, is found within the Fulford quartz monzonite pluton as mapped by Gabelman (1949). This pluton has been dated at about 63 Ma. The occurrence has been suspected since about 1917 from Schrader et al. (1917). Gabelman (1949) mapped the pegmatite as a thirty-foot-thick body that might extend along strike more than 400 meters. Young and Munson (1966) described the gemmy apatites. The pegmatite is located north of the Fulford mining district, west of the Holy Cross Wilderness and southeast of Eagle. Prospecting since the 1980s have been particularly successful in producing specimen and gem quality equant yellow apatites, usually loose but associated nearby with smoky quartz crystals, plagioclase and titanite.

Although, Colorado's pegmatites have been heavily explored, future mineral discoveries will be made, especially by those people willing to inspect new areas. The years 2000 to 2010 were particularly successful by a new generation of collectors finding pocket topazes, aquamarines, amazonite as well as excellently crystallized rare-earth minerals such as fluocerite, and aeschynite-(Y).

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Geothite, Crystal Peak

Continued on Page 7

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Mark Ivan Jacobson is a geologist-mineralogist specializing in pegmatites. He obtained a BS in mineralogy-geochemistry from Pennsylvania State University in 1973 and a MS in sedimentary geology from the University of California at Berkeley in 1976. After graduate school, he worked for Amoco and Chevron in oil and gas development as an earth scientist at numerous foreign and USA locations, completing 35 years with Chevron before retiring in 2013. He has published numerous articles on the geology, mineralogy, and mining-collecting histories of pegmatites since 1978 as well as two major books: “Guidebook to the pegmatites of Western Australia (2007)” and “Antero Aquamarines: Minerals from the Mount Antero - White Mountain region, Chaffee County, Colorado” (1993). He has been a consulting editor for *Rock & Minerals* since 1984 and is currently president of the National Friends of Mineralogy.

2017 CMS Holiday Party

by Eva Siemonsma

The evening started with a flurry of activity as the hall was set for the evening's festivities. Thanks for all the helping hands, especially John Kleber, Mark Levitt, Donnie Parsons, Don Bray, and Kevin Atwater. The pot luck began at 6:30 p.m., during which the members voted on the revision of two corrections to the by-laws, acknowledged Sandra Gonzales and John Smith for their contributions as Secretary and President, respectively, and the 2018 officers were elected:

President: Debbie Kalscheur
First Vice President: Gary Rowe
Second Vice President: Ben Geller

Secretary: Aaron Cross
Treasurer: Loni Cole

The 'mitten tree' became laden with mittens, scarves, and hats donated by the members. John Smith asked the kids fill in the rest of the spaces with the ones he donated.

The Bear Creek High School Advanced Choir, directed by Duncan Cooper, entertained and energized the evening with their incredible performance of Christmas music. A heartfelt thanks goes to Leslie Osgood and Craig Hazelton for making the earrings and money clips that were given to the young women and men.



Bear Creek High School Advanced Choir providing entertainment

Talk about timing, Santa arrived from the North Pole just as the singers were leaving. Thanks to “**Santa**” for his presence and the wonderful way he was with the kids!!!! Thanks Gary Rowe, Debbie Kalscheur, and Merlin Schreffler for graciously donating the specimens for the bags.

Amber Brenzikofer kept the gift exchange happening throughout the evening as participants names were called to pick a gift - bright packages were chosen from under the tree with a happy smile. Some "elves" brought a couple extra gifts, so a lucky few went home with that true "surprise" gift. A special thanks to Leslie for those lovely Christmas tree ornaments and twinkling lights making the hall so festive looking.



Santa and the kids (left), Amber Brenzikofer (center), John Smith in front of the mitten tree (right)



Continued on Page 9

2017 CMS Holiday Party (continued)

The cake steal was again a great time. I could not see which was the most sought after cake, but there were groans as the steals were made. The "cake steal" generated \$89 towards the general fund – thanks go to all those who brought the goodies for this event.

Thanks Gary Rowe for putting the professional mineral challenge together. It was fun and challenging for those 5 participants. The winners were - Pete Modreski took 1st place, Bruce Geller 2nd place, and (all in the family) Ben Geller 3rd place - by the way, it was the same as last year.

The raffle was the last event of the evening, but not before all the remaining members pitched in and put the hall back to the original set-up. Many hands in fact made this chore go quickly and easily. **THANKS TO ALL the helping hands.**

The food was outstanding – everyone deserves a special ‘great job’ for contributing and many thanks go to James Knoll, Donnie Parsons, Mark Levitt, Star Edwards, Sandra Gonzales, Susan Duncanson, Phyllis Bray, Gary Rowe, and Viola Padilla for such great hospitality diligence at keeping food table supplied.

If I have forgotten to mention you for your contribution, please forgive me. The party would not have been a success without everyone helping and participating. I am so happy that all who attended enjoyed themselves and hope that your Holidays were blessed with happiness and that 2018 will bring you joy, prosperity and peace.

Photos by Amber Brenzikofer and Sandra Gonzales



Eva Siemonsma calling numbers and CMS members participating in the cake steal (left), Leslie Osgood selling tickets and picking numbers for the cake steal (right)



December 1, 2017 Raffle News

As the Christmas party wound down, the hall was reset and the December raffle was the next focal point. The ticket sales amounted to \$279, with the retail value of \$175. *Jim Hall* won the two most popular specimens of the raffle - the quartz from Brazil Serra Do Cabrod (\$103), donated by **Marlon Ferreira, Minas Brazil Stones** and the actinolite specimen (\$54) donated from the **Charles Spletz Collection**. *Wendy Carley* won the blue topaz cut stones (\$39) donated by **Pat Tucci & Zelda Baily**. The obsidian specimen from the Bradshaw Mountains (\$36) donated by **Ken & Mary Black from the Lee Barnett Collection** was won by a smiling *Amber Brenzikofer*. The fossil fish (\$24) donated by **Marcus Lieberman** was won by *MistyAnn Bateman*. Last but not least, the mimetite specimen from Mexico (\$23) donated by **Sandra Gonzales - Rocky Mountain Gems** was won by *Steve Minor*.

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

Thanks to John Kleber and Lookie Heckman for helping with the raffle.

Congratulations to all the lucky winners!!!!

Submitted by Eva Siemonsma, CMS Raffle Manager

Colorado Mineral Society Board Meeting on December 18, 2017

Attendance: John Smith, Gary Rowe, Debbie Kalscheur, Aaron Cross, Loni Cole, Eva Siemonsma, Ben Geller, Cara Reynolds, Bruce Sales, Leslie Osgood, and Amber Brenzikofer

Old Business:

Club Assets:

Need to get Eva lists before the end of December so she can turn all records over to Loni Cole.

Storage Unit:

Amber researched prices and sizes from various storage unit locations. The Board approved rental of a 10x10 storage unit at Life Storage in Lakewood. Bruce Sales will build shelves for the unit. We will consolidate CMS property and assets, donations, and grab bag materials.

New Business:

Treasurer's Report – Eva Siemonsma handed out the treasurer's report. She is wrapping up her files to transfer to Loni Cole.

Membership Report – Cara Reynolds reported we have 264 membership units and 26 life members.

Education – Debbie Kalscheur reported that due to the success of the two wire wrapping classes, a third wire-wrapping class will be added in February.

Auction Report – Ben Geller has been researching optional auction site locations and will report back to the Board in January.

Denver Show Committee Report – Amber Brenzikofer reported that the Denver Show Committee will be selling the 50th Anniversary books to the local rock clubs at a wholesale price who can resale them to their members. Amber will pick up the books and bring to the January meeting for sale to the members.

Denver Council Report – Bruce Sales reported that the President Joe Payne has resigned.

Next scheduled CMS Board Meeting: January 16, 2018 7:00pm Location: TBD

Notes taken by Aaron Cross and Amber Brenzikofer

CMS Membership Dues Increase for 2018

CMS membership dues increase starting January 1, 2018. If you pay your 2018 membership dues prior to December 31, 2017 you will be grandfathered in under the old dues amounts. When mailing your dues, make sure the envelope is postmarked by December 31st. Starting January 1st, the new rate applies. A new membership form is located on the CMS website at www.coloradomineralsociety.com.

CMS Membership Dues Paid before December 31, 2017:

Family: \$16 per year

Single: \$14 per year

Senior 65+ (single or family): \$12 per year

Junior (<12 years old): \$12 per year



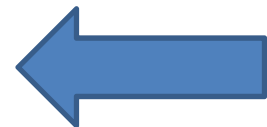
CMS Membership Dues Paid January 1, 2018 or later:

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.

COLORADO MINERAL SOCIETY OFFICERS

2018

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
Auction Co-Chair: Rob Deschambault
Door Prizes-Guests: Cindy and Paul Hatfield
Library: Kevin Atwater
Display Chair: Chris Keilman
Membership: Cara Reynolds
Field Trip Leader: Gary Rowe
Field Trip Leader Co-Chair: Nels Grevstad
Nominations: Bruce Sales
Grab Bags: Marchelle Carlton
Publications: Amber Brenzikofer
Historian: Amber Brenzikofer
Jr Rockhound Coordinator: MistyAnn Bateman
Jr Rockhound Assistant: Joanna Morsicato
Hospitality: Star Edwards
Donations: John Smith
Web Master: Julio Edwards

coloradomineralsociety@comcast.net



Representatives (Board Members)

Denver Council Trustee: Bruce Sales
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.

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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



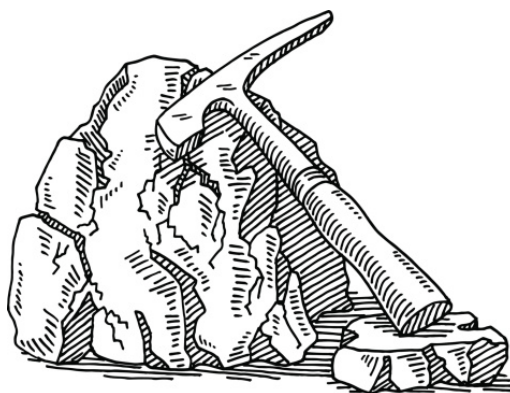
Calendar of Events

January 5th, 2018, CMS January Meeting at St. Paul's Episcopal Church, Lakewood, 7:30pm

February 2, 2018, CMS February Meeting at St. Paul's Episcopal Church, Lakewood, 7:30pm

March 2, 2018, CMS March Meeting at St. Paul's Episcopal Church, Lakewood, 7:30pm

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.



<http://www.coloradomineralsociety.org>