



# Colorado Mineral Society

# Mineral Minutes



Volume 78, Issue 8

November 2014

## Next CMS General Meeting November 7, 2014

This is a reminder that the next Colorado Mineral Society's (CMS's) general meeting will be on November 7th and the meetings will continue on the 1st Friday of each month until May 2015. Visitors and guests are welcome to attend the general meetings. Feel free to check out our meetings before becoming a member. We are encouraging current members to bring snacks or desserts to share with the members during the meeting to supplement the hospitality snacks we normally have at each meeting.

**Dale Gann** will present "**All for the Love of Agates**" at the November meeting that is intended to turn agate haters into agate lovers. The presentation is mainly a collection of stories about agates and the "Agate Heads" that love them. Dale has collected agates and thundereggs in 9 western states and has assembled a large collection of agates, geodes, and thundereggs, some of which he will be displayed at the meeting. There will be one display case available for members if you want to bring your favorite agate for display.

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## President's Message

by **Bruce G. Sales**

Hello Everyone,

Fall is upon us, the leaves are turning and falling, so let's turn our attention to late season collecting and regular meetings. The November meeting will be on November 7, 2014 at 7:30pm at St. Paul's Episcopal Church located at 10<sup>th</sup> Avenue and Garrison in Lakewood, Colorado. Our speaker will be Dale Gann who will recap his in(famous) talk about this year's Denver Gem & Mineral Show theme "Agates".

CMS is in need of a volunteer to become the Denver Show Committee Liaison to represent CMS on the Committee, as Bill Jones is retiring from that position. Thank you for your service Bill. If you are interested in helping the mineral society with representation in the Show Committee please contact me or Bill. Bill informs me that the theme for the 2015 show will be "Minerals of the Southwest" (Arizona, New Mexico, Utah and Nevada).

CMS is a non-profit educational society, and in that vein, we have in the past offered various educational opportunities to the members of the society. We have had Ed Raines teach a course in mineral identification and I have presented a series of talks on crystallography. We are asking for the members input into the direction of future educational opportunities for the society, if you have any ideas, contact me or any member of the board of directors. We are also looking for a volunteer to teach how to read maps and compasses at club meetings.

The CMS display at the Wheat Ridge Recreation Center was installed the weekend of September 27<sup>th</sup> and will be open to the public until the end of November, please stop in and enjoy the display.

## COLORADO MINERAL SOCIETY OFFICERS 2014

President: Bruce G. Sales  
First VP-Programs: Gary  
Second VP-Education: Debbie Kalscheur  
Secretary: Sandra Gonzales  
Treasurer: Eva Siemonsma

### Appointed Board Members - Committee Chairpersons

Annual Auction: Howie Houk  
Door Prizes-Guests: Paul and Cindy Hatfield  
Library: Kevin Atwater  
Exhibits Committee: Harold Taylor, Leslie Sebol, Dan Wray  
Membership: Cara Reynolds  
Field Trip Leader: Gary Rowe  
Nominations: Daryl Lamb  
Grab Bags: Dale Block  
Editor: Amber Brenzikofer  
Historian: Amber Brenzikofer  
Youth Activities: Lewis Reynolds  
Hospitality: Star Edwards  
Donations: Debbie Kalscheur  
Web Master: Julio Edwards  
[coloradomineralsociety@comcast.net](mailto:coloradomineralsociety@comcast.net)



### Representatives (Board Members)

Denver Council Rep: Daryl Lamb  
Denver Show Rep: *VACANT*

**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 Colorado Federation of Gem and Mineral Societies, 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. Displays are set up by members about one-half hour before meetings. Specimens may be available for sale and trade. **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. Additional meeting times, if necessary, may be called by the President or any three members of the board and will be announced at the general or board meetings.

**MEMBERSHIP:** Open to all persons who agree to abide by Society rules and rules of the Federations. Annual fees: \$16.00 for a Family or Newsletter Membership, \$14.00 for a Single Membership, \$12.00 for a Senior Membership (single or family over 65), and \$12.00 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 \$5.00.

**ANNUAL EVENTS:** Yearly activities include a silent auction of minerals, fossils, gems, jewelry, equipment and other items related to our interests; participation in the Colorado Contin-tail, the largest mineral swap show in Colorado; participation as a member of the Greater Denver Area Gem and Mineral Council in sponsoring the largest gem and mineral show in Colorado; and the Founder's Day dinner.

**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 24th of the month prior to publication. Correspondence to Mineral Minutes should be sent to Editor, P.O. Box 280755, Lakewood, Colorado 80228-0755 or by email to:

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

# CLUB NEWS

## New CMS Members

Welcome to the new members; we are excited to have you in our club! If you are wondering what the new member first listing and second listing means in each newsletter, an excerpt from CMS By-Law 1-Membership in CMS is provided below:

“Following the reading of his or her application at a Board meeting, the name of the applicant shall be published in the next regular issue of the Mineral Minutes with a statement inviting comments from CMS members, in writing, to be presented to the President of CMS prior to or at the next regular club meeting. If there are no comments, the new member’s name will be read at the club meeting. After his or her acceptance, the name of each new member will be listed in an issue of Mineral Minutes.”

### First Listing

- John W. Smith III
- Michael Mason
- Grant Martin
- Jeanine Litton
- Wendy Carley
- Pam Goodman
- Paul Wilson

### Second Listing

- Elliot Arundel
- Laura Bornemann and Family
- Robert Candelaivo
- Phil and Ryn Card
- Don Cushman
- Tim and Tina Fleming
- Michael and Sandra Gazdiewich
- Patrick Goss and Family
- Diane Hornbecker
- Kathy LaBonté and Kim Voshol
- Bruce and Kennifer Ladley and Family
- Christopher Lambert
- Wendy MacColl
- Goldie and Maggie Mariola
- Felicia Meineke
- Donald Meineke
- Nick North
- Bill and Helene Plein and Family
- Dominic Rossi
- Tom and Pat Russell and Family
- Joseph Seifert
- Taylor and Christina Selby and Family
- Ginamarie Simpson and Family
- Justin Tulley

## CMS Education Planning - Input Needed

CMS is dedicated to promoting mineral-related education through its speakers, field trips, as well as class offerings. Certain club activities, like the raffle, generates funds that are then earmarked for activities promoting mineral education. We are now in a new planning cycle and would like to query club members on what may be of interest. If you are experienced or have expertise on a particular topic and are willing to share that knowledge by conducting a class, please reach out to Debbie Kalscheur. The course could be a single afternoon or span multiple times across a number of weeks. There is flexibility in both course content and design. Let's discuss.

We are also asking for member feedback on what mineral topics are of most interest to club members. If you have a particular subject you would like to see the club offer educational opportunities on, please reach out to Debbie using the same contact info above. We conducted a survey a couple years back, but we have some new members since then and would like to give all members another chance to provide their thoughts.

One popular course we have offered several times is a Mineral Identification course taught by Ed Raines at the Colorado School of Mines. This is 10 week course, typically starting in early Fall. Ed also offers a Spring course on the Geology of the Front Range. Where course tuitions are involved, the club has historically paid half with the other half paid by the attending club member. Over the next several meetings, we will be gauging interest in these courses and others as we move forward with finalizing our 2015 educational plan. Please take some time to share your thoughts.

*Submitted by Debbie Kalscheur*

# CMS Junior Rockhounds Program – November 2014 Meeting

by Lewis Reynolds, Coordinator

**Topic:** Fossils

**Overview:** An amazing variety of fossils can be found in Colorado's sedimentary rocks: dinosaurs, mammals, birds, fish, shellfish, insects, plants and trees. Tonight we will take a virtual field trip to many locations in the state where fossils can be observed and in some places even collected. As we examine fossils found in a given layer of sedimentary rock, we will discuss their identification and how the fossils help us to envision what Colorado was like in the past.

Parents are invited to attend the Junior Rockhounds Program with their children. We need at least one other parent, guardian, or member to help supervise each meeting. Although the youth do not need any supplies for this meeting, a pencil or pen and a notebook may be helpful for taking notes.

This topic motivates the *Fossils* badge in the AFMS Future Rockhounds of America program. More information about these *optional* activities outside of our meetings can be found below. Lewis will be available after the Junior Rockhounds meeting to explain the badge requirements and to answer any questions you may have about this program. (Also review our goals in the Junior Rockhounds Program in the CMS Newsletter for August 2013 which can be found at <http://www.coloradomineralsociety.org/newsletters/August2013.pdf> on pages 7-8.)

**AFMS Future Rockhounds of America Badge Requirements (Optional):**

[http://www.amfed.org/fra/AFMS\\_FRA\\_Badge\\_Manual\\_Revised\\_2012.pdf](http://www.amfed.org/fra/AFMS_FRA_Badge_Manual_Revised_2012.pdf)

The *Fossils* badge is discussed on pages 39-54 of the manual. Parents or guardians: please print the sign-off sheet on page 40 and check-off, sign, and date each accomplishment as it is completed. Submit the completed form to Lewis Reynolds to process the badge award.

## CMS Membership Reminder

Starting October 1, 2014, you can pay your 2015 dues. CMS memberships run from January 1st to December 31st. You can pay your dues in three ways:

1. Pay with cash or check at a general meeting. 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. Pick up your membership card at the next general meeting. Cards not picked up will be mailed to you.
3. Fill out a membership form and bring cash or check to a field trip to receive a temporary membership card.

### CMS Membership Fees:

Family: \$16 per year

Single: \$14 per year

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

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

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

## Colorado School of Mines Geology Museum - Garage Sale

**Sat.-Sun., November 22-23, 9 am–4pm**

13<sup>th</sup> and Maple Streets, Golden

Rocks, minerals, fossils, books, maps, USGS folios, etc. Prices vary by item or box. Most prices will drop during the event. Information: [303-273-3815](tel:303-273-3815).



# A Review of the 2014 Field Trip Season

by Gary Rowe, Field Trip Coordinator

Led by Bill Jones, about 25 Colorado Mineral Society (CMS) members visited the Collector's Edge (CE) facilities in Golden, Colorado on Saturday, October 25. Bill Jones filed the following report with photos of the trip.

This trip was definitely the best one I have attended at CE. We gathered at 9:00am at the CE retail location where Steve Behling gave us a nice background on CE as well as the evolution of the mineral specimen business in China. CE is a specimen mining company with current operations at the Red Lead Mine (crocoite) in Tasmania, the Kaokoveld area (diopside, aquamarine, schorl, shattuckite) of Namibia, and two others that are in the final negotiation stage. We had a 30 minute session from Rob Lorda who gave out many helpful tips how to clean various minerals at minimal cost. Our group then viewed the world class mineral specimens in the vault and Brian Lee's private collection in the back vault inside the main vault. What a treat! I particularly enjoyed the rhodochrosite pieces from the Sweet Home Mine as well as the specimens on display from each of the CE mining ventures since their inception in 1984. After everyone had their fill of picture taking, we moved a block down the road to look at the warehouse and CE's wholesale operation. The bulk of CE's 128,000 mineral specimens are stored in the warehouse. Craig Wibert manages the warehouse and gave us the opportunity to view and purchase specimens at wholesale prices. Most members found something of interest to purchase. We thanked Steve, Rob and Craig for coming in on their off-day to give us the tour. Great experience. Terry Beh has also prepared a detailed tour report with photos for CE and it will be in the December issue of the CMS newsletter.



*Rob Lorda of the Collector's Edge demonstrating the use of the pneumatic hammer (air gun with abrasive) to CMS members.*



*Case of Sweet Home rhodochrosite specimens in the "Vault" at Collectors Edge. Wow!*

The CE trip marks the end of what I hope everyone thought was a pretty successful 2014 field trip season. We visited several new sites and a number of old standbys. Several trips were joint trips with the Flatirons Mineral Club (FMC). There were a number of outstanding finds as evidence by two full cases of excellent specimens displayed at our Founder's Day picnic in early September and our 1<sup>st</sup> place award in the Club Prospector's Competition at the Denver Show (see last month's CMS newsletter for photos). A review of the 2014 season follows.

We began our season on May 17-18th with a couple of old standbys: the Calumet and Sedalia mines near Buena Vista. Although I could not attend either of these trips, Don Bray did his usual excellent job leading both trips. I know some good material was found, including an epidote specimen from the Calumet collected by Nels Grevstad, which was selected as one of the extra specimens we displayed in the Club Prospector case at the Denver Show.

The next weekend was Memorial Day weekend and CMS headed to Socorro, New Mexico and met at the Blanchard Mine where our guide was owner Ray Demark. About 30 people attended this trip and Ray made us feel at home the entire weekend, letting folks go underground to collect in Sunshine #3 adit on Saturday where some excellent galena, fluorite, and linarite specimens were found and letting folks surface collect on Saturday and Sunday. Everyone who attended this trip went home with some excellent material including a couple entries that made it into the Club Prospector case, including a galena with anglesite specimen found by my son John and me and a galena/linarite/fluorite piece found by Philip Persson. On the way home, some of us made the trip to Magdalena, New Mexico and visited the Kelly Mine dumps. Very little smithsonite was found, but Nels Grevstad made another excellent find of a ¾" azurite crystal on matrix, another of his pieces that made the Club Prospector's case.



## A Review of the 2014 Field Trip Season (continued)



*CMS members who attended the Blanchard Mine trip taken at Bingham, NM.*



*Entrance to the Sunshine Adit #3 at the Blanchard Mine. Ray has sealed off the deeper adits to keep high-graders out of the tunnels which are filled with specimen material.*



*View of the Portalis Mine adit, just below the Blanchard Mine proper.*



*View of inside of Sunshine #3 adit. The host rock at the Blanchard Mine is a vuggy, silicified dolomite. Nearly all the vugs are filled with a mix of quartz, fluorite, galena, gypsum and secondary copper minerals such as linarite and cyanotrichite. Lots of sparkles when the headlamps are turned on!*



*View of Kelly Mine dumps and workings including head frame of the main vertical shaft, near Magdalena, NM.*

On May 31st, we were able to visit the Stoneham barite locality. This site had been off limits to club visits for several years following efforts by the Colorado State Land Board (SLB) to restore the site for grazing, following a mineral specimen mining lease that ended a couple years ago. Thirty CMS members visited the site along with a representative from the SLB who was there to ensure all SLB rules were followed. Everyone found some of the famous blue barite and a few very nice specimens were found, including ones by Bubba Hayes and Alan Cross that were selected for display in the Club Prospector's case. Based on post-trip conversations with the SLB rep, CMS members acquitted themselves well on the trip and the SLB appears receptive to us visiting the site next year.



*CMS members collecting at the Stoneham Barite locality in Weld County, CO.*



## A Review of the 2014 Field Trip Season (continued)

The next two trips in early and mid-June were to Yellow Cat, Utah and Hartsel, Colorado. I was unable to attend either of these trips (I REALLY wanted to go to Yellow Cat), but reports from the field were that both were excellent trips. Dale Gann led the trip to Yellow Cat and he knows many good collecting spots there, so some excellent agate, jasper, petrified wood, and agate pseudomorphs after barite were found. Thanks for leading a great trip Dale. First time trip leader Gail Dubas led the trip to Hartsel. This trip was also very good as the claim owners, Lark and Dave Harvey of the Bayou Salado Trading Post (home to great post-field trip ice cream) had bulldozed the claim and opened up some new barite seams that yielded some nice large specimens. Thanks Gail!

Next on the schedule were two trips to the Lake George area, first a trip to the Dorris family's Smoky Hawk claim of Prospector TV show fame. This was one of our most popular trips and was attended by over 50 people. Special thanks to Sandra Gonzales for organizing the large group and getting everyone up to the claim safely! Once there Joe gave an overview of the geology and mining methods he has been using to extract world class amazonite/smoky quartz/fluorite specimens. Then everyone was invited to go through Joe's dump material and everyone found some amazonite and/or smoky quartz. At the end of the day, Robert Boehm opened up a small pocket of gemmy smoky quartz that had an unattached small fluorite cluster that was a nice miniature. For those that didn't find much, Joe brought a few flats of specimens for purchase from the claim as well as copies of his latest book. The second trip to the Lake George area was a fossil dig at Florissant, Colorado. Amber Brenzikofer led this trip to the Florissant Fossil Quarry and everyone found some nice little leaf and insect fossils, especially the kids.



*Joe Dorris showing the group the types of specimens found at the Smokey Hawk claim (left photo) and CMS members searching the mine dumps (right photo).*

Heading into the July 4th weekend, we teamed up with FMC for a trip to Farson, Wyoming and the Blue Forest petrified wood locality. Although not heavily attended, several CMS folks did go and they were rewarded with some excellent finds. The best material was a large limb (found in several pieces) covered with blue chalcedony found by Robert Boehm (see photos below of the dig and associated finds). The best piece had a section about a foot long in the fossilized algae matrix that was selected for the Club Prospector's case. All in all a wonderful trip and one we will do again next year.



*Debbie Kalscheur and Robert Boehm exposing petrified limb at Blue Forest, near Farson, Wyoming*



*Here is the hole showing vertically oriented limb cast (center) surrounded by fossilized algae rind.*



## A Review of the 2014 Field Trip Season (continued)



*Here is the cleaned up material extracted from the hole. The limb section in matrix in the bottom center of the photo was selected for the Club Prospector's case display and is approximately 12 inches long.*

On July 13th, CMS members headed up to Montezuma, Colorado (just up the road from Keystone) led by Bruce Geller. We were hosted by the Robert Martin family and the mine dumps we visited were owned by Robert's grandfather. Because the mine dumps are on private property there is a lot of material to be found including sphalerite, galena, magnetite, barite and some massive rhodochrosite. A lot of fun!



*View of Martin property and old adit at upper level of silver mine at Montezuma, CO. Some excellent ore samples were found in the road bed for the narrow gauge rails used to transport ore from this adit.*



On July 19th, we visited another Dorris family claim, the topaz gem mine near Tarryall. This is a fee dig and it appears Joe's daughter, Krystal, collected some additional fees as several excellent topaz crystals showed up in the Founders Day Picnic display case.

The following weekend was spent at one of our favorite localities, Mt Antero. This year, working with CMS member Bill Hutchinson (who serves as a geologic consultant for Cardwell family mining operations on the mountain), we were able to secure permission to visit the Cardwell claims at the summit of Mt. Antero. This year's trip was attended by about 30 CMS members and the weather and collecting was relatively typical for this time of the year with everyone finding some small pieces of aquamarine, smoky quartz, and some microcline feldspar. A notable exception was a group find of a small pocket of etched sherry-colored topaz that was found on a dig that included Bill, Mary Lou Mobley, Marchelle Carlton, Robert Boehm, Debbie Kalscheur, and myself on the north slope of the Cardwell claims.



## A Review of the 2014 Field Trip Season (continued)

I would like to thank Bill for facilitating permission with the Cardwell family. I visited Mt Antero a couple weeks after the CMS trip and met with the Cardwell family in person and they were impressed with how CMS worked to secure permission to visit their claim and Craig Cardwell informed me CMS would be welcome back next year. That was good to hear for sure.



*Picture of ~180 carat etched topaz crystal found during this July's CMS trip to Mt Antero (left). Photo of group dig at Mt. Antero (right). Note storm clouds in the background; afternoon hail and thunderstorms drove us off the mountain by 3:00pm each afternoon.*



On August 2nd, Tally O'Donnell led a joint FMC-CMS trip to Leadville where the group visited a well-known locality north of Leadville on Highway 91 where Baveno-twinning feldspar and dipyrmidal quartz phenocrysts weather out of a granitic porphyry outcrop. On August 9th, Craig Hazelton lead a group of folks on a tour of several sites in the Trout Creek Pass area east of Buena Vista in conjunction with the Contin-Tail show. Rare earth element (REE) minerals, jasper, rose quartz, fluorite, and some interesting pyrite specimens were found at Clora May Mine, Salt Creek Jasper Field, Yard Mine, and Hecla Snowflake Mine.



*Collecting at the Clora May Mine.*



*Salt Creek Jasper Field collecting area.*

The Chaffee County theme continued the next weekend when Bruce Sales let a group of CMS folks to Missouri Hill and the adjacent Taylor Mountain area on Saturday, August 16th. Here metamorphic outcrops yield garnet, clear quartz, goethite pseudomorphs after pyrite, and marble in quantities that were mined at two abandoned quarries in the area. Then on Sunday, CMS paid another visit to the Hayward family's Red Feather Lake amethyst claims. Here Cindy Hatfield prospected the stream running adjacent to the stream and found a beautiful deep purple amethyst cluster that was added to the Club Prospector's display at the Denver Show. As many of you are aware Chris Hayward (son of former CMS President Bill Hayward) passed away this spring and Chris's sister Claire gave us permission to visit the claim. We sincerely appreciate that, but it is unclear if CMS (and other clubs) will continue to have access to the claim in the future. Thanks also to Howie Houk and Amber Brenzikofer for leading the Red Feather Lakes field trip as it was heavily attended as usual.

## A Review of the 2014 Field Trip Season (continued)

As many of you know, we did schedule a trip to the St Peter's Dome area west of Colorado Springs for August 23rd. Unfortunately I was unable to visit to the locality until mid-October but I've been there now and I will definitely add this trip to our schedule next year as there are some interesting and rare minerals available at various locations in the area.

At the end of August, we had the Founders Day Picnic where everyone's finds were displayed and selections for the Club Prospector's case were voted on by everyone in attendance (see write-up in October CMS newsletter). The last trip on our schedule was a trip to Ouray, Colorado to attend the Friends of Mineralogy Symposium on Minerals of the San Juan's. This was held in beautiful Ouray and featured many fine talks on the geology, mineralogy, history, and collecting opportunities in the area, as well as a tour of local Columbine Mineral shop owner Benjy Kuehling's fabulous collection of San Juan (and other Colorado localities) minerals. About a dozen CMS members attended the Symposium and Jeff Self and Donna Ware were among the organizers of the Symposium. However, for me the highlight of the trip were several collecting trips I was able to take before, as part of, and after the Symposium (see photos below). Based on the results of those trips I am contemplating a multi-day trip to the San Juan's next year that would hit collecting spots from Wolf Creek Pass, Creed, Silverton, and on to Ouray. If anyone is interested in helping plan that trip please contact me.



*Shaft house of the Yankee Girl Mine looking northwest. The Yankee Girl was one of the richest silver producers in the Red Mountain Pass District. The mine was discovered in 1881 and produced an estimated \$3 million dollars' worth of silver through 1906. The ore was concentrated in a vertically oriented breccia pipe that contained five "chimneys" of vertically-oriented ore that typically were 10-30 feet wide. The upper parts of the body contained pyrite and argentiferous galena that averaged 80-90 ounces of silver per ton. Lower zones of the ore body contain locally higher silver values but also were more enriched in copper. Pyrite, galena, chalcopyrite, and secondary copper minerals can be found in the dumps of the Yankee Girl and other mines of the Red Mountain district.*



*View of the Sound Democrat mill looking southeast in Placer Gulch which is north of Silverton; photo taken on September 8 after the Ouray Symposium. Directly behind the mill are dumps from the Sound Democrat mine which was developed in the late 1890's and produced ore containing pyrite, sphalerite, galena, chalcopyrite, free gold, the uncommon manganese silicate pyroxmangite. We found large chunks of pyroxmangite at the Gold Prince tram terminal facility which is off the right of this picture. These can be slabbed and polished as the pyroxmangite is a beautiful pink color with intermixed black manganese oxides, galena, sphalerite, and occasionally intergrowths of darker-colored rhodochrosite. The back side of the ridge is where the famous Sunnyside Mine is located (there were field trips to those dumps as well). This is an area we would likely visit on our trip next summer.*

In closing I want to thank our **ALL** CMS trip leaders for volunteering their time to lead trips, and all CMS members who participated in this year's trips for comporting themselves in a manner that assures future access to these and other collecting localities. Thanks again and I know I'm already looking forward to the 2015 field season!



## October Raffle News

We are back to our monthly meetings and our exciting monthly raffles. October's ticket sales amounted to \$182, with the retail value of \$225. Thank you for your continued support of this endeavor; the proceeds are spent on CMS education, the purchase of library materials, and the state science fair awards. The most popular specimen was the pyrite on calcite on fluorite specimen (\$58), it was donated by **Robert Stoufer - Colorado Minerals.com** and won by *Michael Mason*. The azurite – malachite specimen (\$40) donated by **Ron Anderson - Prospector's Choice Minerals** was won by the lucky *Linda Anderson*. The quartz crystal (\$34) donated by **Marty Zinn - Crystallinn Int'l.** was won by *Bill Hutchinson*. The blue stone necklace and earrings (\$23) **anonymously** donated was won by *Laura Johnston*. The gypsum specimen from South Australia (\$16) donated by **Shealeene Kent** was won by *Mary Schons*. Last but not least the fish fossil (\$11) **anonymously** donated was won by *Dave Knies*.

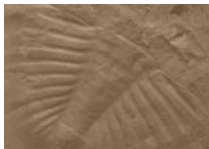
**Thank you to those who donated these great specimens, without you we wouldn't have the happy faces as they claim their winning item.**

Thanks to Dameon Heckman and Jennifer Knies for helping with the raffle.

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

*Submitted by Eva Siemonsma, CMS Raffle Manager*

### Saturday, November 15, 2014 Littleton Gem & Mineral Club Silent Auction



Columbine Hills Church,  
9700 Old Coal Mine Avenue  
Littleton, CO 80123



**Seller set up starts at 11am, Silent auction starts at noon, Verbal auction starts at 1pm; Checkout starts at 3:30pm.**

Bring your minerals, gems, jewelry, fossils, books, and equipment to sell. Non-club members are limited to 2 flats. Club retains 20% commission. Payment is by cash or check only.

Call Ed Wakefield at 303-986-4331 to pre-obtain a seller/buyer number or get it at the door.

Denver Area Mineral Dealers  
Annual Gem & Mineral Show  
November 14-16, 2014  
Jefferson County Fairgrounds  
Exhibit Halls  
15200 W. 6th Ave., Golden, CO  
Hours: Fri. 10 AM - 5 PM  
Sat. 10 AM - 6 PM, Sun. 11 AM - 4 PM

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Information: 303-279-5504, 303-986-3647, 303-660-9564

### GEM & MINERAL SHOW NOVEMBER 14-16, 2014



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Denver Area Mineral Dealers

## Greater Denver Area Gem & Mineral Council

At the November 19th meeting, the Greater Denver Area Gem & Mineral Council will elect officers for 2015. The current slate of candidates is Janie Bennett - President, Martin Hannu - Vice President, Sharon Hannu - Secretary, and Howie Houk - Treasurer. Nomination for any of these offices is open to any club member. The Council meets only four times a year - in March, June, September and November. These are evening meetings held at the Denver Museum of Nature & Science.

If you would like to be a candidate for any of these offices, please contact one of the persons on the Nominating Committee. These persons are: Carl Bird at carlmbird@comcast.net, Lesley Sebol at lsebol@yahoo.com and Judy Knoshaug at jrknoshaug@comcast.net. The Council is a 501(c)(3) non-profit organization which is made up of the eight local gem, mineral and fossil clubs. The Council is the sponsor of the Denver Gem & Mineral Show. Serving as a Council officer is an opportunity to support and more fully participate in the gem, mineral and fossil hobby. See additional Council info on the next page.

*Respectfully submitted, Judy Knoshaug, Council Trustee*

## The Greater Denver Area Gem and Mineral Council - A Brief Overview

The Greater Denver Area Gem and Mineral Council was established to promote exhibition, education, and exploration in the earth sciences; for the discovery, development, and preservation of minerals and mineral deposits; and for the advancement, encouragement, and utilization of the principles of art and craftsmanship as applied to gems and minerals. One of the principle ways the Council carries out its mission is by sponsoring the annual Denver Gem & Mineral Show.

The Greater Denver Area Gem and Mineral Council is certified as a Non-profit Corporation by the State of Colorado and as a 501(c)(3) organization by the Internal Revenue Service. The council is composed of five officers (President, Vice President, Secretary, Treasurer, and Show Chair) and a Board of Directors. There are presently eight Denver area gem and mineral/fossil clubs which are members of the Council. Each club designates a representative to serve on the Board of Directors. These club representatives comprise the Board of Directors and serve as the Council's Trustees. The Trustees have voting power and nominate and elect the Council officers. The member clubs direct the activities of the Council through their Trustees. The Trustees set the policy of the Council and the elected officers carry out the policy and manage the Council's routine business.

The Council has two standing committees - The Denver Show Committee and the Long Range Planning Committee. The Denver Show Committee is responsible for planning and producing the Denver Gem & Mineral Show. The Long Range Planning Committee reviews grant requests and develops long range strategies for the Council. The individuals making up these two committees are drawn from the eight member clubs.

The Trustees are responsible for the distribution of the Council's grant monies. Grants are available to appropriate public and private organizations that are engaged in activities and programs which further the Council's mission and goals. Grant applications are reviewed by the Long Range Planning Committee and presented to the Council. The Trustees have final say on grant applications through the voting process. The Trustees also approve and are responsible for the Council's budget, approve and are responsible for the Show Committee's annual show budget, and monitor and are responsible for compliance with the Denver Gem & Mineral Show guidelines and procedures.

*Source: Judy Knoshaug, "Trustee Guidelines", 2010*

## CMS General Meeting - October 3, 2014

### General Announcements:

#### **Bruce Sales, CMS President**

1. Opened meeting with general announcements & acknowledged new members and all new visitors.
2. CMS won 1st place for Club Prospector's Case. The Prospector's Case was set up at the meeting and Gary Rowe described the minerals in the case.
3. Acknowledged Shaleene Kent for winning 1st, 2nd, and 3rd place for the Junior Prospectors competition; Craig Hazelton for 1st place in the Educational, Other (Advanced) category for his shadow effects in agates; Dale Gann for winning 2nd place in the C.E. "Shorty" Wither's competition for his agate display; and new member Nick North for winning 1st place in thumbnail minerals and the Richard M Pearl Trophy for his azurite specimen from Mexico.
4. Thanks to all the CMS volunteers for the Denver Show.
5. Roxborough is looking for science fair judges, November 10-12.

#### **Gary Rowe, Field Trip Coordinator**

1. St. Peter's Dome field trip was postponed; however, it is unlikely that it will happen this year.
2. Collector's Edge tour will occur on October 25th and lead by Bill Jones, will be able to purchase wholesale specimens.
3. At the Founders Day Picnic, someone left behind agates, if you are missing them, see Gary Rowe.

#### **Eva Siemonsma, Treasurer**

1. Annual report will be out in January 2015.
2. Acknowledged entities that donated raffle specimens.
3. Reminder to pay dues.

#### **Amber Brenzikofer, Editor and Historian**

1. Read names of new members listed in October newsletter for Cara Reynolds, Membership Chair
2. Presented Rocky Mountain Federation of Mineralogical Societies (RMFMS) awards, including:  
Gary Rowe- 1st Place for Feature Photo Story - Cripple Creek Mine Tour  
Amber Brenzikofer - 3rd Place - New Bulletin Editor  
Bruce Sales - Honorable Mention - Crystallography 101 article  
Leslie Osgood and Rich Nelson - Honorable Mention - May Auction Flyer
3. Amber has taken over the editor's position for the RMFMS newsletter

#### **Presentation - Rare Earth Minerals in Colorado by Markus Raschke and Philip Persson**

#### **Door Price Winners:**

Terry Beh	Nels Grevstad	Laura Johnston	Mary Schons
Judy Blakemore	Brian (Bubba) Hayes	Michael Mason	John Smith
Bill Carlton	Karen Heckman	Eva Siemonsma	Jacob Trujillo
Aaron Cross			



## CMS Board Meeting - October 21, 2014

Attendees: Bruce Sales, Sandra Gonzales, Howie Houk, Leslie Osgood, Amber Brenzikofer, Gary Rowe, Debbie Kalscheur, Bill Jones, Daryl Lamb, and Eva Siemonsm (via phone)

### Old Business:

Display Committee: A request was made to use funds to replace the covers for the display case

- A motion was made and seconded to approve funds up to \$200 for the materials and supplies needed to replace the covers for the display boards

Wheatridge Recreation Center Show Case: Need Display to be set up ASAP - Minerals of Colorado, History of CMS, Fossils

- The mineral display case is up and running – the display is officially opened and will end at the end of November

Confirmed Speakers for Meetings:

November - Dale Gann – Agates	March - Pat Tucci - Morocco
December – Christmas Party	April - Marc Jacobson- History & Mineralogy of Pikes Peak Batholith
January - Michelle Rahm - The Gems of Madagascar	
February - Craig Hazelton - Modern North American Jade Culture	

Need addition volunteers to join the Display Committee & Scrap Booking Committee

- Jennifer Knies stepped up to chair the Scrap Booking Committee

Storage Unit needed for CMS supplies and equipment: Amber will continue to look for a storage unit with the best price

- Amber secured a storage unit at Uncle Bob's Storage 10' x 5'

Eva Siemonsm: Closes the year end financials on September 30, 2014. Raffle money needs to be spent for the educational program for 2014

- Suggestions for educational programs - Options 1. Mineral Identification Class with Ed Raines; 2. Chemical Assay; or 3. Topographical Maps - Basic Tools

Many members have requested CMS T-shirts, Bids will be taken for the board to approve

- Put on hold till the next meeting

Gary Rowe: Saint Peter's Field Trip still up in the air. Gary will update members if we have the trip

- Cancelled for this year

Bill Jones: Will need a new Denver Show Committee CMS representative for 2015, includes 9 meeting per year

- An announcement needs to be made to recruit a new volunteer representative for the Show Committee.

### New Business:

Bruce Sales: No new business

Amber Brenzikofer: Newsletter deadline October 29th

Cara Reynolds: Sent the report for new member, and the names were read by Amber Brenzikofer

Daryl Lamb: Trustee Report on the council

- A new contract was signed for the next 5 years - Free Parking - Within Projected Budget
- The council is searching for a new Treasurer
- CMS needs a new representative for representing CMS for all the council meetings – Meeting are held in March, June, Sept, and November. CMS received their \$250 stipend for a CMS representative attending all the meetings. Great job Daryl for attending all the meetings.

Howie Houk: Will head the CMS auction committee for 2015 – A big thank you to Rich Nelson for his service over the years.

Bill Jones: Presented the final report for “Show Committee”. There were 59 more paid admissions this year compared to the 2013 show. Theme for 2015 has been announced – “Minerals of the Southwest” which include Arizona/New

Mexico/Utah/Nevada. Gloria Stabler will be the new Marketing Chair for the Denver show (posters, Booklets). Grab Bags - 500 bags left over, 1900 sold – all the posters were given away. There were 23 museum exhibits.

Leslie Osgood- Christmas Report- We are still needing a singing group

Eva Siemonsm gave a Treasurer Report via phone

Revenue \$9,405 / Expenses \$6,235

A motion was set to increase the budget for the Hospitality Committee for up to \$75 per month. A vote by the board was approved. We also encourage everyone to bring a snack to add to the hospitality pot, or to contribute money to offset some of the cost.

Meeting Adjourned

*Notes taken by Sandra Gonzales*



Colorado Mineral Society  
PO Box 280755  
Lakewood, CO 80228

## FIRST CLASS MAIL



### Upcoming Meetings

#### **Regular CMS Meeting – November**

Date: Friday, November 7, 2014

Time: 7:30pm

Place: St. Paul's Church, Lakewood

#### **Regular CMS Meeting – December**

Date: Friday, December 5, 2014

Time: 7:30pm

Place: St. Paul's Church, Lakewood

### Rocky Mountain Federation News

The Rocky Mountain Federation of Mineralogical Societies (RMFMS) is made up of 78 clubs representing 13 Western states. The Rocky Mountain Federation News is published monthly and is located at [www.rmfmts.org](http://www.rmfmts.org). The next RMFMS newsletter is published in November.



### 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>