



# Colorado Mineral Society Mineral Minutes



Volume 80, Issue 9

December 2016



## President's Message

by John W. Smith



Welcome everyone. The year is rapidly coming to an end and I have been advised that this month's President's message should take a few minutes to reflect on our adventures and accomplishments for the year.

This was my first year as your President and I am sure that more than a few of you wondered "What the heck is this guy going to do for us when he does not even know the difference between the various types of rocks? As a matter of fact, he refers to most as 'pretty rocks'." Well frankly, at times, I wondered the same thing. However, we were in this together and it was together that I believe that we had a fantastic year.

Our membership count is up from last year to 475 individual members due largely to your efforts to promote our club in the community. In addition, the number of junior rockhounds increased to 81, which is fantastic as well. I have repeatedly stated that the juniors that we as an organization take under our wings to teach and encourage are the future of this organization.

Our annual May action was our main fund-raising event for the year and was a great success due to many members of the club pitching in to help. The auction generated about \$2,300 that goes into the CMS general fund. It is also an opportunity for club members and the public to sell specimens and rock-related materials, with a portion of the sales going to CMS.

We enjoyed a variety of speakers at the general meetings throughout the months when it was not field trip season. I am always fascinated to hear about the adventures that others have. To see the places and things that they did through their eyes sometimes allows me to have been vicariously on their adventure with them.

Field trips! What more can be said about them. While many of us only found what is considered by most well-known collectors as routine specimens, they were no less valuable to us than the Hope diamond. This is so because when you go on a field trip and discover a specimen that no one has ever laid eyes on before, that specimen becomes part of our soul. OK – I have to acknowledge that one of our members made a fantastic discovery on Mt. Antero. One that has been classified as being a bit more than just a routine discovery. Even so, there is still no way that I personally want to go to Mt. Antero again – been there – done that – cross it off the list.

With the end of the year the holidays are upon us. I look forward to seeing each of you at the club's holiday party on December 2<sup>nd</sup>. Remember the festivities begin an hour earlier than usual (see details elsewhere in this newsletter). There will be many activities for all as well as entertainment (the chorus from one of the local high schools will be putting on a short program).

In addition, the club will be holding elections for CMS Officers for the coming year. If anyone out there wants to contribute to the business side of the club, please see me before the party starts so we can discuss your desires. As I

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implied earlier, one does not need a deep background in rocks or minerals to be part of the business side of the club – you just need a desire to help and a willingness to put in a few hours a month (for free).

I will close this month's message by saying that whatever holiday you and your family celebrates this time of year, I hope it is a safe one for you and one that fills you with joy (lots of presents doesn't hurt either).

## COLORADO MINERAL SOCIETY OFFICERS

2016

President: John W. Smith

First VP-Programs: Gary Rowe

Second VP-Education: Debbie Kalschauer

Secretary: Sandra Gonzales

Treasurer: Eva Siemonsma

### Appointed Board Members - Committee Chairpersons

Annual Auction: **OPEN**

Door Prizes-Guests: Cindy Hatfield

Library: Kevin Atwater

Display Chair: **OPEN**

Membership: Cara Reynolds

Field Trip Leader: Gary Rowe

Field Trip Leader Co-Chair: Nels Grevstad

Nominations: Daryl Lamb

Grab Bags: Dale Block

Editor: Amber Brenzikofer

Historian: Amber Brenzikofer

Scrapbook: Jennifer Knies

Junior Rockhound Coordinator: Lewis Reynolds

Junior Rockhound Assistant: **OPEN**

Hospitality: Star Edwards

Donations: Debbie Kalschauer

Web Master: Julio Edwards

[coloradomineralsociety@comcast.net](mailto:coloradomineralsociety@comcast.net)

### Representatives (Board Members)

Denver Council Rep: Bruce Sales

Denver Show Rep: Dale Gann



**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. 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 \$7.50.

**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 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 should be sent to Amber Brenzikofer, Editor, P.O. Box 280755, Lakewood, Colorado 80228-0755 or by email to:

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

# Christmas Holiday Pot Luck Party



Friday, December 2nd at 6:30pm

St. Paul Episcopal Church  
9200 W. 10th Ave, Lakewood, CO 80215  
(10<sup>th</sup> Avenue and Garrison Street)

Come celebrate the season with good company, fun things to do, entertainment, good food, and contests. Note that we are starting the celebration an hour earlier. Here are some of the activities we are planning and need all to pitch in and volunteer to help:

- ❖ **Gift Exchange** - bring a rock related gift (approximately \$10), then you will receive a gift. We have our own “rock tree” to place your packages under.
- ❖ **Cake Steal** - we need cakes for our cake table. Tickets will be \$1.00 for a chance to win one. Please donate a cake.
- ❖ **Kids Mineral Challenge** - challenge for the kids with prizes for the first, second, and third place finishers.
- ❖ **Raffle** – a raffle of six very nice mineral specimens.
- ❖ **Entertainment** – Wheat Ridge High School Choir (20 minute program)
- ❖ **Pot Luck Food** - bring your favorite party pot luck food! We will have plates, flatware, napkins, cups, drinks, and condiments.
- ❖ **Mitten Tree** - Please bring kids mittens, hats, and scarfs to donate to St. Paul’s mitten tree. We like to say thank you to the Church for hosting our meetings throughout the year by donating to the mitten tree.
- ❖ **Visitor from the North** - we will have a visitor from the North, farther than Point Barrow.

With all of this activity going on, we need everyone who can, come to the church on December 2nd at 5:00 pm to set up and decorate the tables, bring your cakes in, help with the food, and decorate the tree. The party will start at 6:30 pm. Then after the party, we need to get everything back together even better than we found it when we came in.



## CMS Officer Election

The current CMS Officers are:

- ❖ President: John W. Smith
- ❖ First Vice President-Programs: Gary Rowe
- ❖ Second VP-Education: Debbie Kalschauer
- ❖ Secretary: Sandra Gonzales
- ❖ Treasurer: Eva Siemonsma

Officer elections will be held at the December 2<sup>nd</sup> general meeting. All the current Officers except for the Secretary have agreed to rerun for the upcoming year. Therefore, CMS will be seeking a nomination for Secretary, as well as nominations for the other Officer positions at the general meeting.

In addition, there are four appointed Board member positions that remain open. Please contact an Officer or one of the other Board members if you have an interest. Available positions include:

- Auction Chairperson
- Display/Exhibits Chairperson
- Assistant Treasurer
- Junior Rockhound Assistant

The **Secretary’s** duties include participating in the monthly Board meeting (typically located in Lakewood) as a voting member, taking meeting notes at the CMS general meetings and Board meetings, and preparing meeting minutes to be included in the newsletters.

The **Auction Chairperson’s** duties include coordinating the CMS May Auction activities and volunteers, participating in the Board meetings leading up to the May auction, and making announcements at the general meeting.

The **Display/Exhibits Chairperson’s** duties include attending the monthly general meetings to manage set up of the CMS display cases, planning and coordinating the CMS display case themes and materials for the Denver Gem and Mineral Show, and coordinating possible traveling exhibits.

The **Assistant Treasurer’s** duties include working with Treasurer to submit financial forms to the State and attend the Board and General meetings to report financials when the Treasurer cannot attend. Familiarity with Quicken is helpful, but not necessary, will train.

The **Assistant Junior Rockhound Chairperson’s** duties include helping the Junior Rockhound Chairperson to prepare for and conduct the junior program at the CMS general meetings and to help coordinate junior field trips during the summer.



## October 7th Raffle News

**Thank you to those who donated these great specimens, it is fun to see the grin spread when their number is called to be a winner!!!** November's tickets sold were \$122, with the retail value of \$380. These funds are spent on CMS education, the purchase of library materials, and the state science fair awards. The most popular specimen was the copper specimen (\$47) donated **anonymously** and won by a very happy *Robert Murphy*. *Hunter Kekkinen's* ticket was drawn for the malachite specimen (\$25) that was donated by **Prospector's Choice Minerals**. Lucky *Bruce Sales* **won two raffle items (what is new?)** the first ticket was drawn for the calcite specimen (\$23) that was donated by **GEOdyssey**, the second ticket was drawn for the blue barite specimen, (\$9) that was donated by **Christy Fischer & Ray Frost**. Another two time winner is *Katherine Brannan*, her first ticket drawn won the fossil fish (\$9) donated by **Marcus Lieberman**, her second ticket won the fluorite specimen (\$9) donated from the **Charles Spletz Collection**.

Thanks to Shealeene Kent for helping with the raffle. Congratulations to all our lucky winners.

*Submitted by Eva Siemonsma, CMS Raffle Manager*


## November 4th Raffle News

November's tickets sold were \$176, with the retail value of \$252. These funds are spent on CMS education, the purchase of library materials, and the state science fair awards. The most popular specimen was the quartz and sphalerite specimen (\$66) donated by **Rocky Mountain Gem and Minerals** and won by *Loni Cole*. The second most popular specimen was the amethyst from Magaliesberg, South Africa (\$51) donated by **Prospector's Choice Minerals** and won by *Bob Christy*. The wulfenite and calcite specimen from Defiance Mine, Arizona (\$22) was donated by **Self-a-Ware Minerals** and won by *Cindy Hatfield*. The lucky *Bob Murphy* won both the quartz crystal specimen (\$15) donated by **Christy Fischer and Ray Frost** and the dogtooth calcite from Galena, Illinois (\$8) donated from the **Charles Spletz Collection**. Finally, *Bob Heckman* won the barite cluster from Grand Junction, Colorado (\$14) donated by **Eggers Lapidary**.

Thanks to DJ Heckman for helping with the raffle. Congratulations to all our lucky winners!

*Submitted by Amber Brenzikofer, CMS Deputy Raffle Chief*

**Prospector's Choice Minerals**  
Ron Anderson  
Colorado and Worldwide Minerals  
  
By Appointment Only  
Littleton, CO  
303-790-9280



**Marcus  
Lieberman**

**Self - A - Ware Minerals**  
Jeff Self 303.898.7539  
Donna Ware 303.898.4019  
  
[www.SelfAWAREminerals.com](http://www.SelfAWAREminerals.com)

**Charles Spletz  
Collection**

**GEOdyssey LLC**  
Minerals, Fossils, Jewelry

Zelda Bailey  
Pat Tucci

P.O. Box 16339  
Golden, CO 80402  
[www.geodyssey-rocks.com](http://www.geodyssey-rocks.com)

Tel:(303) 279-5504  
Cell:(303) 898-9674  
[pattucci@comcast.net](mailto:pattucci@comcast.net)

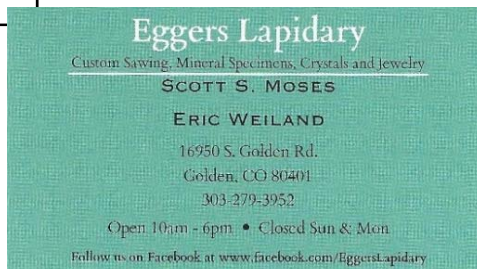


**Christy Fischer  
and Ray Frost**

**Sandra Gonzales**  
[rockygems@comcast.net](mailto:rockygems@comcast.net)  
720-425-3908  
  
**Rocky Mountain Gems & Minerals**  
[www.rockygems.com](http://www.rockygems.com)



**Eggers Lapidary**  
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Open 10am - 6pm • Closed Sun & Mon  
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## CMS New Members

### First Listing

- Myron and Sandy Ababurko
- Patricia (Pat) and Kenneth Odom
- Phil Persson
- Albert and Patricia Powers
- Michael Randalls & family

### Second Listing

- Connie and Jill Gallegos & family
- Morgan and Doug Love & family
- Judy Norkus

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



## ROCKS & RAILS

**December 9-11**

**10am – 5pm Each Day**

**Adults \$5 ::: Children 12 & Under Free with paid Adult**

**Boulder Model Railroad Club  
39th Annual**

### Model Railroad Exposition

Come one, come all, and enjoy the Boulder Model Railroad Club (BMRC) train show where you can see many different Scale and Toy Train Layouts for the young and old alike. The show will also have many displays of Model Train related items to both teach and entertain everyone. This includes many vendor tables where you can purchase railroad-related items just in time for the Holidays.



[bouldermodelrailroadclub.org](http://bouldermodelrailroadclub.org)

**Flatirons Mineral Club  
2016 Annual**

### Rock & Mineral Show

Gem and mineral dealers, exhibits speakers, classes, grab bags rocks, children's activities kids' wheel, dig site fossils, meteorites, tools jewelry and more! Bring your treasures for free mineral identification. Demonstrations include polishing rocks using lapidary equipment and silversmithing.

**FREE  
PARKING!**

**DOOR  
PRIZES!**

[flatironsmineralclub.org](http://flatironsmineralclub.org)



**ATM & Food Service Available at the Show**

**BOULDER COUNTY FAIRGROUNDS LONGMONT**

**MAIN EXHIBIT BUILDING** 9595 Nelson Road Longmont, CO 80501

**Bad Weather? Call 303-591-2830 to see if we're open**



## Open Enrollment for Spring Mineral ID Course - - New Educational Ideas Welcome

*by Debbie Kalscheur, Second Vice-President-  
Education*

Just a reminder that the Mineral Identification Course with Ed Raines is being planned for the Spring with an estimated start date of Monday, March 6th. It is a 10-class course curriculum and we are planning on a cost of \$75 per person or couple (two people living at the same address). The class typically meets on Mondays from 6-9 pm. We do not have a confirmed venue for the course yet, but we are planning for it to be in the Golden area. If there is a change to the cost, it would be due to unplanned costs related to securing the location.

Many CMS members have already taken this course, so if you are interested in signing up, please feel free to ask other club members to share their experience of the course. If you have any detailed questions, please find me at the club meeting or send an email to me at [kalscheur2004@yahoo.com](mailto:kalscheur2004@yahoo.com).

If you have an idea for a course, or would be willing to teach one, please contact me. We are always open to new course offerings on any topic relevant to the CMS educational mission.

## CMS Junior Rockhounds No December Program

The CMS Junior Rockhounds Program will not be meeting in December -- instead, enjoy the Christmas Party! At the party, the Junior Rockhounds will have an opportunity to practice their mineral identification skills on a collection of specimens. Correct identification of at least six different minerals satisfies Requirement 1.2 of the Rocks & Mineral badge in the AFMS Future Rockhounds of America program.

I would again like to thank the very generous donors of minerals and other materials for the CMS Junior Rockhounds Program this past year! With gratitude from the CMS Junior Rockhounds Program,

*Lewis Reynolds, Coordinator*

Chris Keilman's discoveries  
Colorado Mineral Society field trip to Mount Antero, Chaffee County  
30-31 July 2016.

*The weekend field trip described below was a pre-arranged fee dig on the Cardwell family claims that cover the south knob of Mount Antero. All participants had to sign an agreement regarding fees, digging rules, and the criteria used to determine what they could keep of their discoveries.*

This was Chris and Adriana Keilman's second field trip to Mount Antero. The first was the previous year, during the summer of 2015 with the Colorado Mineral Society (CMS) of Denver. On this trip, they were once again, really excited to go and try their hand at finding some aquamarine. During their first trip, Chris was only able to find a few small crystals. It was enough to create the desire to go again. Since Chris's wife Adriana, likes aquamarine a lot, she was also excited to go. The field trip was for the weekend, two days of collecting in potentially wet and cold weather and camping out with a cold, almost wintery night. The evening camp was planned to be at treeline, at about 11,800 feet elevation with nighttime temperatures of 45-40 degrees. However, after a cold and blustery Friday, CMS trip participants enjoyed excellent weather at the summit, with mild temperatures, minimal wind, and little threat of rain or lightning during the two-day dig.

The plan was for the CMS group of about 35 to 40 people, led by CMS Field Trip chair and trip leader Gary Rowe, to meet Craig Cardwell, the acting manager for the family at the base of the mountain, where the rough jeep trail leaves from the Chalk Creek graded dirt road and starts its 4 mile winding path up Baldwin Creek to treeline. When Craig arrived Saturday morning, July 30, the group was ready. Craig used this opportunity to greet everyone and give a small talk about the locality.

The day before this field trip, Bob Christy and Sheryl Kuelper had stopped by Craig Cardwell's shop along Route 285 north of Salida. They photographed some giant aquamarines in the shop that were found sometime in the past on Mount Antero. They emailed these pictures to Chris, saying "*We just found these specimens today. You don't want to miss tomorrow's field trip; we'll be there searching for some more monster crystals*".

The next day at the base of the mountain, Bob and Sheryl prefaced their introduction of Chris to Craig, with "*this is the guy we emailed the pictures of the giant aquamarines. He's really [a] lucky collector, maybe he'll find some big ones.*" These comments, of course, provoked some teasing of Chris.

Soon after this everyone boarded their vehicles and started the trip up the mountain to the collecting area on the flanks of the south knob of Mount Antero at 13,000 to 13,800 feet. The upper area of the knob is covered by the Cardwell family claims, with claims held by others on the lower flanks.

After being 'talked up' by his friends to Craig, Chris felt under some pressure to find some aquamarine specimens. The group parked their vehicles at the end of the northeastern branch of the 4WD road, at the top of the south knob, a flat parking area on the crest. Chris and Adriana were among some of the first to arrive. Chris decided to walk around where he dug last year, and also look at other areas. He did not have a plan yet; just surface hunting, looking for pegmatite float. He walked around, scratched with his hand rake, a little here or there, looking for float. Craig Cardwell had said this year that they were free to dig in the area where his excavator was currently located. Last year he had said, there was to be no digging on the north face where he had been excavating. Chris favored digging on the north face but wasn't convinced yet. So, he spent about an hour or so walking around, inspecting the other areas, He did not find much, a tiny piece, and so of aquamarine. It was time to check the north side.

Chris and Adriana walked to the north face slope. They saw Ray McPadden, their friend, busy checking the ground. Chris called out, "How're you doing?".

McPadden shrugged his shoulders; "I'm doing just OK," he replied. With that he pulled out two knuckle-sized aquamarines.

"They look pretty nice, I hope I can find something like those. How did you find them?" Chris adds.



## Chris Keilman's discoveries (continued)

Ray says, "Well I started at the bottom [of the slope] and kind of zig-zagged around and worked my way upslope."

"So you found these as float just by walking around?"

"Yeah."

Chris continued at this point and described his aqua finds: "This sort of confirmed my decision to want to stay on the north face. I did a visual inspection of the entire slope and noticed how the slope dropped down into a bench area [flattish area] and then the slope continued downwards into a second, lower bench. Of these breaks in slope, where the benches were, only one of the two was very prominent. From what I knew about gold prospecting, heavy stuff slides downslope and tends to settle where it will get trapped. Gems, sometimes behave similar to gold, perhaps some aquamarines might also get stranded on the bench areas. So it made sense to me that I would start looking in the most prominent bench area".

Chris says "I think I'll try the same thing." No sooner was it said than he noticed a little tip of white on blue something sticking out from the gray-colored crushed granite debris next to him. It almost looked like trash. He went over to the spot to inspect; the white was phenakite stuck on the top of some blue aquamarine. He started pulling it out of the ground and it just kept coming. About 3.5 inches of aquamarine came out. He was stunned; it was amazing. Ray let out a big yelp of excitement.



*Figure 1. The thin aquamarine found on Saturday, on the north face of the south knob of Mount Antero. Displayed at the September Denver Gem and Mineral show. The specimen is 0.50 x 2.45 inches and 55 carats. Mark Jacobson photo.*

Chris knew right then, that this is where he was to dig. Ray's yelp though, caught the ear of other prospectors. Their heads started popping up like prairie dogs; they started coming around the corner to see what was found, almost one by one.

Soon the whole collecting group was in over on the north side, excited and digging with renewed energy. Other people started finding things. Several other club members were finding thumb-sized aquas, nice specimens. This area was hot!

Chris continued digging, with Adriana along side, but with less intensity. He had already scored a big find; the weekend trip was a success. The two dug the rest of the day, still finding little chips and pieces of aqua; both were both happy.

The day came to a close; with the club gathered back down at treeline, camping out at various spots along the road just under the trees, tents up, campfires prepared and cold weather coats on. That night, a group gathered to schmooze and see the pencil-size aquamarine with a phenakite on top specimen. Sandra Gonzales, Donna Ware, Jeff Self and other claim holders on the mountain dropped by and also saw the crystal.

Sunday morning, Chris and Adriana set out early to dig on the north slope of the south knob. They needed to be some of the first people on the south knob, because if they didn't re-occupy their old hole, someone else would be in it. He was the first one to arrive; the others started rolling in, one by one, going back to their same holes. The north slope looked like a factory of workers, all working in a line, some at different levels.

Continued on Page 8

## Chris Keilman's discoveries (continued)



*Figure 2. View of the club digging on the north face of the south knob of Mt. Antero. Photo by Jim Morsicato and used with his permission.*

Looking out over the other club members, Chris realized that there was no way today, that he would find a better crystal than yesterday's. He decided to dig in one spot, and then if he finds something great that's OK and if he doesn't that's OK too. Chris cleared out a small flat bench area in the broken rock rubble for Chris and Adriana to sit on. Using a small hand rake, the gravel to sand sized granitic rubble on the slope face pit would be pulled down and spread out on the flat area for inspection and pushing further downhill afterwards. After digging a while, Chris noticed a smooth rock smooth rock face that had a brownish-bluish glare to it; it did not look like dirt. He dug above it to remove some dirt and then scratched lightly on the exposed rock mass. The mass then rolled out of the dirt face onto his flat digging area with a thud. He picked it up, but didn't really believe it yet. He ran his finger across what seemed to be a face; and the sun streamed onto the face and lit it up like torch of Olympus. He let out another yelp of glee.



*Figure 3. The second day's aquamarine find on the south knob of Mount Antero. The crystal is 1.2 x 3.94 inches and 450 carats. Chris Keilman photo.*

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## Chris Keilman's discoveries (continued)

Everyone stopped digging, dropped their shovels, and looked over at him in disbelief. Could this be another discovery? "You've got to be kidding," Gary Rowe exclaimed "that aqua is even bigger than the last aqua you found." Chris was on cloud nine. After the initial excitement, people went back to digging but the digging pace quickened. Others wanted to find their own large crystal and people were finding crystals.

It was a great day for Chris and a good day for everyone else. Craig Cardwell showed up with his work crew later that morning. After arriving, Cardwell strolled along the top of the ridge, looking down on all the busy diggers spread out on the slope below. Jokingly, Cardwell says, "who hit the million dollar pocket?" Everyone in the club silently points at Chris. "Mr. Lucky himself," Cardwell exclaimed.

The work crew was busy preparing to start work for the day. Gary, Chris and Adriana walked up to Craig to show him what was found, which was part of the previously agreed rules required for digging

"So you have some good stuff to show," Craig says.

Chris hands him the thin aquamarine with phenakite on the top.

"That's gorgeous," was Craig's comment.

Chris retrieves the first specimen and reveals the flat, heavy crystal as it is handed to Craig. Craig then lets out a yelling woop of excitement. "Tracy, quick come over and look at this." The entire work crew follows in curiosity. "This guys," Craig says to the work crew, "is what we are looking for. Where did you find this?"

"Just over the hill where you saw me digging. These crystals were float, one was sticking out and the other was less than a foot below the surface in debris, maybe only a few feet away from the first crystal. Everybody else is finding stuff too.

Craig replied "That's a lot of aqua coming off this side of the hill."

Chris nods, "I couldn't have done this without my good luck charm, my wife Adriana. When I am with her I always find good stuff."

Cardwell looked back at his crew and the excavator just next to them. He had the look of what did you guys throw over the hill last year? Where did this pocket come from?



*Figure 4. Sunday afternoon on the south knob of Mount Antero, looking east. From the left: Adriana Keilman, Craig Cardwell, and Chris Keilman. Chris Keilman photo.*

Cardwell let Chris protect the two crystals all day. Several pictures were taken of the jovial group – Chris, Adriana, and Craig. The club members, Chris and Adriana Keilman, and Gary Rowe are all quite appreciative of Craig and Tracy Cardwell for allowing the CMS to collect on their claims. They wish for a continuing positive relationship.

*Craig Cardwell just before the 2016 Denver Gem and Mineral Show gave Chris custody of the two large aquamarines for display in the Colorado Mineral Society club case. The Colorado Mineral Society won the Club Prospector Trophy for their Happy 80th Anniversary case which displayed the*

*two large crystals Chris found and many other discoveries made by others on club field trips during 2016.*

*Mark Ivan Jacobson*

*Based on an interview with Chris and Adriana Keilman, with comments from Gary Rowe and Amber Brenzikofer. September 18, 2016; Denver, CO*

## CMS Membership Dues Reminder

CMS memberships run from January 1st to December 31st. You can pay your 2017 membership dues now in three ways:

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

If you ordered a name badge, they will be available at the general meetings to pick up. Alternative methods of delivery for name badges may be available, so contact Cara Reynolds or Amber Brenzikofer to coordinate.

## CMS General Meeting on November 4, 2015

Meeting called to order 7:30 pm by President John Smith

- John Smith opens the meeting with a welcome to new members.
- Ask new members and visitors to identify themselves and why they have joined the club or visiting.
- Mentioned that we will have our annual Christmas Party on December 2<sup>nd</sup> at 6:30 pm. We will have Christmas carolers, pot luck, gift exchange, cake walk, and hat or mittens to donate to the church for people in need.

Announcements:

- Gary Rowe: There will be field trip to the Socorro Symposium plus two scheduled field trips
- Debbie Kalscheur: Education Program - If you are interested in participating in the mineral identification class in the spring, please contact Debbie Kalscheur. The class cost is \$75.00 and the club will match the balance of \$75.00.
- Amber Brenzikofer: Identified all the raffle items and donors.
- Cara Reynolds: Read the names of all the new CMS members for the month. There are currently 475 individuals and 81 children.
- Bruce Sales: Greater Denver Area Gem and Mineral Council update - CMS needs to cast their votes for new board member positions for the Greater Denver Area Gem and Mineral Council:
  - ✓ President – Joe Payne
  - ✓ Vice President – Dale Gann
  - ✓ Treasurer – Maxine Sheel

CMS members cast their votes for the current people running for the board. A motion was made to accept the nominees for the board. A second motion was made and a vote was agreed upon by CMS members, all approved.

### • Raffle Winners

Susan Duncanson	Felix Beall
Sandy Ababurdk	Paul Knappe
Bob Burrough	John Salvino
Gabby Johnson	Don Bray
Bill Carlton	Kate Chavez
Ted Randolph	

- Guest Speaker: Phillip Persson – Fluorescent Minerals from Franklin, New Jersey
- Meeting Adjourned

*Notes taken by Sandra Gonzales, Secretary*

## CMS Board Meeting on November 15, 2016

Board member's Present: John Smith, Gary Rowe, Bruce Sales, Debra Kalscheur, Sandra Gonzales, Amber Brenzikofer, and Leslie Osgood

### **Old Business:**

Officer Position Available for 2017:

- Secretary – Will require an election vote at the December General Meeting
- Sandra will obtain list of members who may be candidates for Secretary

Board-Appointed Positions Available for 2017:

Assistant Treasurer, Junior Rockhound Assistant, Auction Chairperson, Donations Assistant

Display Chairperson, and Denver Show Committee Rep – Need to check with Dale Gann to see if he can do both jobs since he is also running for Vice President

Education Funds:

- Need to spend education funds.
- Debbie is looking into any new educational ideas that can benefit the members. Please contact Debbie with any ideas
- Lewis Reynolds to provide list of equipment and costs for Junior Rockhound program

Denver Council meeting meets on November 16<sup>th</sup> – Bruce Sales will submit CMS member's board member vote to the council

### **New Business:**

John Smith will be working with Eva on putting together an agenda for the Christmas Party events. Events will be posted in newsletter

- Christmas Party starts at 6:30. We need help setting up so please arrive a 5:00 for set-up
- Officer Positions will be voted on during the December meeting

Treasurer's Report – Eva Siemonsma provided the board with an update on the reports that were recently filed. Treasures report will be given at the December meeting.

- Colorado Sales Tax Return
- Raffle Quarterly Report
- Annual periodic Report with Colorado Department of State

Membership Report – Cara Reynolds provided the board with the names of all new members

General Meeting Presentations – Gary Rowe is working on securing guest speakers for the next few months. The board extends their gratitude to Phillip Persson for his presentation, well done!

- December – Holiday party
- January – open
- February – open
- March – Pat Tucci (need to confirm)
- April – open

Field Trips – Gary Rowe and his team are already working on field trips for this summer

The Board wants to recognize Dale and Virginia Block for their dedication and hard work for providing grab bags for the Denver Greater Gem and Mineral Show. A motion was made to purchase a gift card in appreciation for their volunteer efforts. A second motion was made to purchase gift card, all members voted yes on the motion.

Newsletter Deadline – Amber Brenzikofer – early deadline for holiday, November 18, 2016

Meeting Adjourned

*Notes taken by Sandra Gonzales, Secretary*





Colorado Mineral Society  
PO Box 280755  
Lakewood, CO 80228

## **FIRST CLASS MAIL**



### Calendar of Events

**December 2, CMS December Holiday Party** at St. Paul's Episcopal Church, Lakewood, **6:30pm**

**January 6, 2017, CMS January General Meeting** at St. Paul's Episcopal Church, Lakewood, 7:30pm

**February 3, 2017, CMS February General Meeting** at St. Paul's Episcopal Church, Lakewood, 7:30pm



<http://www.coloradomineralsociety.org>