



# Colorado Mineral Society

# Mineral Minutes



Volume 77, Issue 8

November 2013

## November Meeting Speaker

The Colorado Mineral Society (CMS) November meeting speaker will be **Bob Patten**, who will be discussing **knapping**. Knapping is the shaping of flint, chert, obsidian, or other conchoidal fracturing stone through the process of lithic reduction to manufacture stone tools. Bob has knapped replicas for over fifty years, using tools of stone and antler. He is known in the circles as "Knapper Bob" and is an author of several books on the subject, including "Old Tools—New Eyes" and "Peoples of the Flute", and many articles for various newsletters and publications. He has a passion to teach those who have interest.

Since childhood, Bob Patten has been fascinated with artifacts and flaking stone into tools himself. That early interest grew into what can now be best described as an obsession with lithic technology. He balances a unique blend of unbridled curiosity, technical background, broad exposure to the natural sciences, and archaeology. Bob studied civil engineering and did topographic mapping for the U.S. Geological Survey before he retired. Now he lives in Lakewood, Colorado and indulges his passion for flaking stone.



## President's Message

By Bruce G. Sales

Hello everyone, I hope that the change in season has been kind to you. The leaves down here have changed and snow is in the high country. We will have our general meeting on the 1<sup>st</sup> of November, at 7:30 pm at the St. Paul Episcopal Church, located at 10<sup>th</sup> Avenue and Garrison Street in Lakewood. We are back on our normal meeting schedule.

We are pleased to welcome Bob Patten to the November 1<sup>st</sup> CMS meeting who will speak on the subject of flint knapping. I have seen Mr. Patten at the Loveland Stone Age Fair about 12 years ago, he is very knowledgeable in the art and science of flint knapping.

CMS has been asked to create a mineral display at the Wheat Ridge Recreation Center to occur in the spring of 2014 and run for several months. Hopefully, I will have more details at the November meeting. This is a great opportunity for our newly-formed Display Committee to come up with some creative ideas. Speaking of the Display Committee, we are seeking volunteers to help with supporting the various displays that our club participates in. See more information on Page 3.

I wanted to thank Rob and Natalie Briscoe for volunteering for Hospitality. However, due to Rob's work schedule changes, they will no longer be able to host the hospitality at the monthly meetings. Therefore, we are seeking new volunteers for the Hospitality position. Until this position is filled, coffee and hot tea will be provided at the meeting and members are welcome to bring snacks for the group.

I had planned to resume the Crystallography 101 series in November; however, after some consideration of my schedule and the upcoming holidays, I will resume the series in January 2014.

Last, but not least, I hope to see you all at the Christmas Holiday Pot Luck Party on December 6<sup>th</sup>.

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## COLORADO MINERAL SOCIETY OFFICERS

### 2013

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

### Appointed Board Members - Committee Chairpersons

Annual Auction: Richard Nelson Family  
Door Prizes-Guests: Jessica Blackburn and Donna Roberts  
Library: Kevin Atwater  
Exhibits: **OPEN**  
Membership: Cara Reynolds  
Field Trip Leader: Gary Rowe  
Field Trip Leader Co-Chair: **OPEN**

Nominations: Daryl Lamb

Grab Bags: Dale Block

Editor: Amber Brenzikofer

Historian: Amber Brenzikofer

Youth Activities: Lewis Reynolds

Hospitality: **OPEN**

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: Bill Jones

**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. All correspondence to Mineral Minutes should be sent to Editor, P.O. Box 280755, Lakewood, Colorado 80228-0755 or by email to [brenzikofer@yahoo.com](mailto:brenzikofer@yahoo.com).

# CLUB NEWS

## CMS October Speaker Recap

The CMS October meeting speaker was **Ed Raines**, who gave an entertaining presentation titled "**Zinc, Colorado, and the World**", which is a rather dull metal with an important mining history in Colorado and elsewhere. Ed, is the collections manager at the Colorado School of Mines Geology Museum and the instructor extraordinaire for the CMS mineral identification course we are offering this fall. Thank you Ed for taking the time to brave the bad weather and long trip home to educate us on zinc and sphalerite!!!

## Hospitality Volunteers Needed

CMS wishes to thank Rob and Natalie for volunteering for our hospitality chairpersons. However, due to Rob's work schedule changes, they are no longer able to continue to volunteer for this position. Therefore, we are seeking a new hospitality chairperson(s). If you are interested and want more information, please contact Bruce Sales.

For the November CMS meeting and again starting in January, please bring snack foods for the group, if you wish. Coffee and hot tea will be available during the meeting, as well as plates, napkins, and utensils. We will continue with the donated snack foods until we get a new hospitality chairperson(s).

## New Display Committee

CMS is organizing a display committee that will help coordinate, design, and set-up the display cases during our monthly meetings, the annual auction, the Denver Gem and Mineral Show, and other events, as needed. We want to be more competitive with our display cases at future Denver Gem and Mineral shows and come up with new and exciting themes, so we need some creative people with new ideas to participate.

A sign-up sheet for new display committee volunteers will be present at the monthly meetings or you can contact Bruce Sales for more information.



## Christmas Holiday Pot Luck Party

Friday, December 6<sup>th</sup> 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 a half 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.
- ❖ **Mineral Challenges** - one challenge for the professional rockhounds and one for the amateurs.
- ❖ **Display cases** - bring your red and green rocks, minerals or gems or a combination of both colors for the cases.
- ❖ **Singers** - the Golden High School - 24th Street Singers will entertain us again this year.
- ❖ **Pot Luck Food** - bring your favorite party pot luck food! We will have a plate of meats, cheeses, rolls, and condiments for the making of the holiday sandwich.
- ❖ **Visitor from the North** - we could quite possibly 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 6th 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.

## Field Trip Report: Cripple Creek and Victor Gold Mine, October 5, 2013

by Gary Rowe, Jr.

A group of 13 CMS members received a great tour of the AngloGold-Ashanti North America gold mining operation at Victor Colorado. Our tour guides were CMS member Matt Dye who has been interning at the mine and finishing up his M.S. from the School of Mines on the geology and mineralogy of the deposit. He was ably assisted by Ashanti staff geologist Alana (Alley) Stern, and our fearless tour bus driver Roxie. The group met on a chilly, but sunny Saturday morning and headed up to the core storage facility where Matt and Alley gave the group an overview of the geology and mineralogy of the deposit.



*Matt Dye (right) gives an overview of the geology of the Cripple Creek District, while staff geologist Allie (center) and our bus driver Roxie (left) look on.*



*CMS members inspecting boxes of drill core. Core samples are assayed to determine gold content of the rock so operators know whether or not to process rock produced by the open pit operation.*

The open pit operation is a low-cost, low-yield operation: the cost to mine an ounce of gold fluctuates with costs of fuel and equipment but typically is several hundred dollars per ounce. Matt stated the average grade of ore from the mine today is about 0.01 ounces per ton or about 0.3 g of gold per ton of ore. At a gold price of \$1,000 per ounce this translates to about \$30 of gold per ton of ore. Note that some of the high-grade gold-telluride veins first mined in the District in the 1890's had grades of several hundred to several thousand ounces per ton of the high-grade ore.

After visiting the core warehouse, we drove to the Eagles Nest overlook to get a view of the main Cresson pit, which is several hundred feet deep and is actively mined 24/7. We then drove down into the active pit to view the mining process up close. Basic steps in the open pit mining process are (1) drilling, (2) blasting, (3) mining and loading ore, (4) hauling ore to the crusher, (5) crushing the rock, (6) milling it to produce a concentrate, (7) leaching the concentrated ore with cyanide, (8) processing the leachate solution with activated carbon to remove the gold, and (9) combusting the gold-bearing carbon mud and pouring out the recovered gold. The tour illustrated all steps in this process and Matt, Allie, and Roxie did a great job explained each step of the process. Here are a few pictures of the tour:

*Continued on Page 5*



## Field Trip Report: Cripple Creek and Victor Gold Mine (Continued)



View of the Cresson Pit looking south. Note that because the wall rock is fairly competent the walls of the open pit are fairly steep. The Cripple Creek gold deposits occur within a seven-square-mile, 30-million-year-old, volcanic-intrusive complex that erupted and intruded through Precambrian rocks that are over one billion years old. The rocks within the complex consist mostly of breccias, dikes, sills, and flows with minor amounts of fossil-bearing lake sediments, sandstones, conglomerates, and limestone. The gold mineralization followed the emplacement of the volcanic rocks and may have occurred over a time period that lasted as long as two million years. Most of the gold was localized along major structural zones within the volcanic complex. The ore bodies occur as (1) deposits of rich, narrow, gold-telluride veins with quartz, pyrite, and fluorite, and (2) deposits of low-grade, disseminated, microcrystalline, native gold attached to pyrite.



View of northwest wall of the Cresson Pit. Dark areas in middle-right area are old adits and shafts of old mines that are exposed by the open-pit mining. Matt mentioned they have been some close calls involving trucks and other equipment nearly being lost when old shafts or stopes are intercepted.

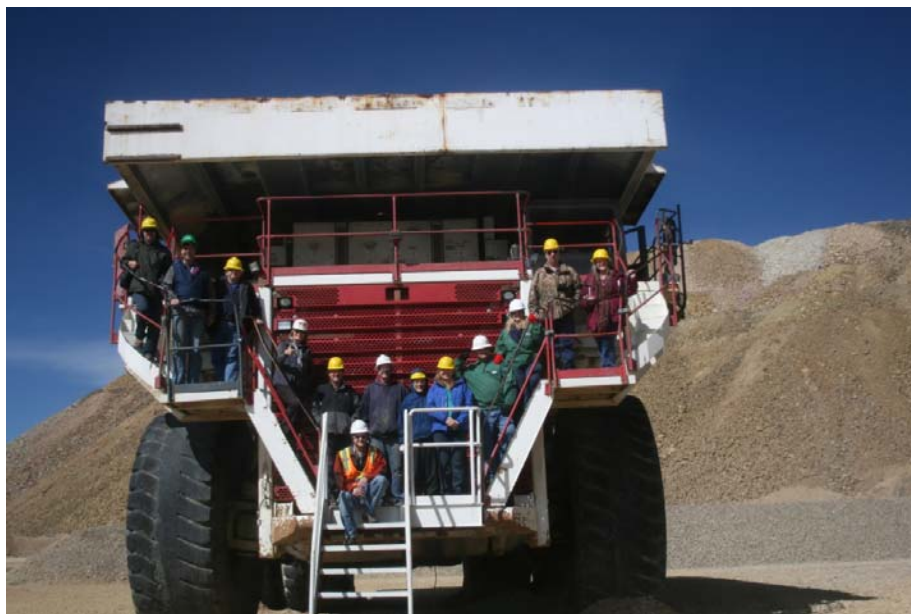


Picture of old Euclid dump truck. These trucks are powered by diesel engines connected to an electric drive transmission that goes only forward and reverse. This particular model can haul about 250 tons of ore. Note our mini-tour bus for scale.

*Continued on Page 6*



## Field Trip Report: Cripple Creek and Victor Gold Mine (Continued)



*Here's a group shot of the CMS members with Matt on the Euclid dump truck.*



*View of second stage crushing tower. Note that gray material behind the plan on the pit walls is milled ore that is being leached with cyanide solution to extract the gold.*



*In this photo, we are inside the gold recovery plant. Matt is standing next to a series of large tanks filled with a mixture of the gold-cyanide solution and powdered activated carbon (PAC). The PAC is made from burnt coconut husks and after the solution is circulated long enough to extract the gold, it is filtered and a gold-rich carbon mud is the end result of the leaching process. Unfortunately pours of molten gold that occur after the mud is combusted are done during the weekdays, so we missed out on seeing the final product!*

Unfortunately there were no free samples at the end of the tour, but Matt was able to arrange a stop during the tour to one of the dump areas where we were allowed to collect samples of low grade ore. This material consisted of a volcanic breccia cemented together by pyrite and deep purple fluorite. Everyone got some great samples of this material. So all in all an excellent tour and hopefully we'll do it again in the future. Thanks again to Matt, Alley, and Roxie for a great day!!

# Colorado Mineral Society's Junior Rockhounds Program

By Lewis Reynolds, Coordinator

## November Topic: Stone Age Tools & Art

### Overview:

Frank C. Miller, Jr., (1886-1953) was a famous sharpshooter, Western showman, painter, and host at the Trail's End Ranch in Larimer County, Colorado. Bring your Indiana Jones hat along tonight as we explore American Indian artifacts from the Frank C. Miller, Jr., collection. How can you tell that an item is an artifact rather than a naturally occurring object? From where did the stone material come? What do the artifacts reveal about the people that created and used them?

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, so a sign-up sheet will be used to help organize the remaining meetings on the 2013-2014 CMS calendar. 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 *Stone Age Tools & Art* 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 *Stone Age Tools & Art* badge is discussed on pages 160-167 of the manual.

Parents or guardians: please print the sign-off sheet on page 161 and check-off, sign, and date each accomplishment as it is completed. Submit the completed form to Lewis Reynolds to process the badge award.



## October 4th Raffle News

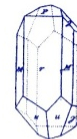
The raffle was again filled with some great specimens and your continued support of this endeavor allows the proceeds to be spent on CMS education, the purchase of library materials, and the state science fair awards. The retail value of the evenings donations were \$91 bringing a total of \$79 into the raffle account. The galena specimen (\$15) donated **anonymously**, was won by *Leslie Pinson*. The remaining specimens were donated by **GEOdyssey**, including the apophyllite (\$10) won by *James Dennis*, the obsidian (\$20) won by *Dan Wray*, the twin calcite (\$20) won by *Aaron Cross*, the dolomite (\$12) won by *Sabra Hoerter*, and the hematite (\$14) won by *Paul Knappe*. *Thanks go to John Kleber for helping with the raffle.*

**Thank you to those who donated these great specimens, it is fun to see the happy smiles when their number is called to be a winner!!!**

Congratulations to all our lucky winners!

*Submitted by Amber Brenzikofer  
CMS Deputy Raffle Manager*

**GEOdyssey LLC**  
Minerals, Fossils, Jewelry



**Zelda Bailey  
Pat Tucci**

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# Trip Reminder

## New Mexico (Socorro Symposium)

**Dates:** November 6-11, 2013 (Wednesday-Monday)

**Trip Leaders:** Gary Rowe, [glrowe@usgs.gov](mailto:glrowe@usgs.gov); Sherman Marsh, [spm92035@gmail.com](mailto:spm92035@gmail.com); Marge Regel, [marjory.regel@yahoo.com](mailto:marjory.regel@yahoo.com)

Maps and directions were emailed out to the entire CMS membership. If you do not have email or have not signed up yet, please contact Gary Rowe right away. There will be maps available at the November 1st CMS meeting if you don't have email.

### Wednesday (November 6) drive to Taos New Mexico

**Logistics:** Drive from Denver to Taos is approximately 300 miles. Folks are on their own to make arrangements for hotel and/or a campground; Taos is a reasonably large town with plenty of hotels and campgrounds.

### Thursday (November 7) Harding Pegmatite near Dixon, New Mexico

This is a joint trip with the Friends of the Colorado School of Mines Geology Museum.

**Meeting Time and Location:** We will meet at 9:30 am at the entrance to the Harding Mine. Directions are to take State Highway 68 (Paseo del Pueblo) southwest out of Taos approximately 25 miles to the intersection with NM75. Turn left and head east on State Highway 75 and pass through the small town of Dixon; the dirt road to the mine occurs shortly after mile marker 8 (about 6.5 miles east of Dixon) although it is not well marked. Parking at the mine entrance is about 0.6 miles from the highway. The UNM caretaker, Gilbert Griego, will meet us at the mine entrance. Plan on spending about 40-45 minutes traveling from Taos to the mine entrance.

Thursday Late afternoon-Drive from Taos to Socorro (approximately 190 miles or about 3.5 hours). On your own for lodging in Socorro.

### Friday (November 8) Desert Rose Claim, Hansonburg District near Bingham, NM

**Meeting location:** 8:30 am at the Blanchard Rock Shop in Bingham, New Mexico

**Locality:** Desert Rose Claim owned by Alison Nelson near Bingham New Mexico.

**Directions:** From Socorro take I-25 South to exit 139 (U.S. 380 East to San Antonio/Carrizozo). Head east on U.S. 380 approximately 30 miles to Bingham which is a 2 person town where the Blanchard Rock Shop owned by Alison Nelson is the main building in the "town". Total mileage from Socorro is about 40 miles so plan on about 45 minutes to the Blanchard Rock shop.

### Saturday-Sunday (November 9-10) Socorro Symposium

Attend 34th Annual New Mexico Mineral Symposium and 5th Annual Mining Artifact Collectors Association Symposium at the Macey Center, New Mexico Institute of Mining & Technology, Socorro, New Mexico. Information can be found at: <http://geoinfo.nmt.edu/museum/minsymp/home.cfm>.

### Monday (November 11): Cookes Peak/Fluorite Ridge area

**What:** For those that can stay an additional day Marge Regel will be heading down to Deming, New Mexico on Sunday afternoon and is willing to meet folks and take them to various locations in the Cookes Peak and Fluorite Ridge area to look for crinoid fossils, fluorite, and other materials.

**Meeting Time and Location:** 8:00 am and 10:00 am at the following location: intersection of Highway 26 and Green Leaf Mine Road. Directions: take I-25 South to Hatch, New Mexico and then take State Highway 26 to Deming/Silver city. At mile marker 5 (five miles before the turn to Deming), turn right (north) on to Green Leaf Mine Road (also marked as A016) and proceed about six miles north where you will see some cement structures. Marge will be waiting at the meeting site by the cement structures at both 8:00 am and 10:00 am to meet folks and provide directions on where to go and what to collect (look for a silver Toyota Tacoma pickup with a topper).

There is a free Rockhounding Guide to New Mexico on the museum website that also contains rules for collecting in New Mexico:

<http://geoinfo.nmt.edu/publications/guides/rockhound/home.html>



## New CMS Members

### First Listing

- Travis and Michelle DeBell & Family
- Constance Holcomb
- Ezekiel Kingsbury
- Dave and Shelley Madonna & Family
- Danielle McGuire and Nathan Stone & Family
- Elizabeth McGuire
- Steven and Mel Whitcomb & Family
- Mark Jacobson and Ruth Yeager
- Randall and Laura Kokkinen & Family

### Second Listing

- John Asselta
- Hayden Blackmon
- Sara Burke
- Jean DiGiOvanna
- David Gryzick and Katherine Griebwahn & Family

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

## CMS Membership Reminders

A friendly reminder that your annual membership dues are coming due for 2014. Your current membership ends December 31, 2013. If you have already sent in your 2014 dues in the past month or so, please come by the membership table at our November 1<sup>st</sup> meeting to pick up your membership card for 2014. Membership cards not pickup will be mailed following the general meeting. We are preparing a new membership application that should be ready by December. It will be sent out in the December newsletter and posted on the CMS website for new members to include with membership dues payment. The new updated form will ask additional questions on your interests, allow for multiple email contacts if more than one person in a household would like the newsletter or notices, and include a list of volunteer opportunities. Current and renewing members may wish to fill out the new form to provide this additional information.

You can pay your dues in two ways:

1. Pay with cash or check at the general meetings the first Friday of each month. Look for the Membership Chairperson to obtain a receipt and membership card. No memberships accepted at the December Christmas Party/Meeting.
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.



### **CMS Membership Fees:**

Family: \$16 per year  
Single: \$14 per year  
Senior (single or family): \$12 per year  
Junior: \$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.

Remember you can receive color electronic and/or black and white hardcopies of Mineral Minutes. However, CMS is trying to be "green" and cut back on paper copies, so please indicate if it is OK to send you an electronic copy only of the newsletter. Also, make sure to give us your updated email address and street address so you can continue to get the newsletter and other important CMS updates.

## CMS General Meeting Notes for October 4, 2013

Guest Speaker: Ed Raines "Zinc, Colorado, and the World".

General Announcements:

**President** - Bruce Sales opened meeting, welcomed all new and current members, and introduced the guest speaker.

- CMS won first place for club display and showmanship.
- A big thank you to Paul Crowell for the magnificent wood mine replica he created for the display.
- CMS needs a Display Committee, a sign-up sheet will be available at the meetings or contact Bruce Sales.

**Membership** – Cara Reynolds

- Read names for all new memberships over the summer.
- Reminder that dues are coming due for 2014.

**Treasury** - Books were closed at the end of September.

**Junior Rockhounds Program** – Lewis Reynolds, the new Coordinator, held the first program called Rocks and Minerals in this new series. Twelve children participated in the program.

**Trip Coordinator** – Gary Rowe

- Mine tour update
- New Mexico club outing update

**Door Prize Winners:**

### Kids

Ezekiel  
Rigel  
Keyper  
Rylan  
Jordan  
Madeline  
Kaiden

### Adults

Marge Regel  
Dee Horak  
Aaron Cross  
Lewis Reynolds  
Terry Beh  
Cara Reynolds  
Bob Burroughs  
Mark Sprakins  
Mark Danuser

*Submitted by Sandra Gonzales*

## COMMUNITY NEWS

**Fri.-Sun., Nov. 1-3, Denver Area Mineral Dealers Public Show, Jefferson County Fairgrounds**, 6th Ave. Frontage Rd. and Indiana St., Golden, CO. 10:00 - 5:00 Fri., 10:00-6:00 Sat., 11:00-4:00 Sun. Open to the public. Eighteen dealers, free admission, free parking.

**Sat., Nov. 16, Littleton Gem and Mineral Club Annual Silent Auction**, 12 noon - 5 p.m., at Columbine Hills Church, 9700 Old Coal Mine Avenue, Littleton. Set-up will begin at 11:00 a.m. with the auction beginning at 12:00 p.m. Non-members are asked to not bring more than 12 specimens to sell. The club retains twenty (20) percent of the selling price. The verbal auction and a short business meeting will start at 1:00 p.m. There will be minerals, gems, jewelry, fossils, books and much more available for bidding at the silent auction. Food and drinks will be provided by the club and its members. For more information please email Ruth Zartman at [ruthzart@yahoo.com](mailto:ruthzart@yahoo.com) or call (303) 973-0405. All are invited to attend.

**Fri.-Sun., Dec. 13-15, Flatirons Mineral Club Rock & Mineral Show and Model Railroad Show**, taking place at the Boulder County Fairgrounds, Main Exhibits Building, Hover & Nelson Roads, Longmont, CO.

Fri., Dec 13th, 10am-6pm, Rock and Mineral Show Only

Sat., Dec. 13th, 9am-5pm

Sun., Dec. 15th, 10am-5pm

Admission: Fri. \$3, Sat. \$5, Sun. \$5  
Ages 12 and under free with paying adult

For more info see:

<http://bcn.boulder.co.us/community/fmc/fmcshow.htm>.

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

## **CMS Board Meeting Notes for October 15, 2013**

Attendees: Bruce Sales, Gary Rowe, Debbie Kalscheur, Eva Siemonsma, Sandra Gonzales, Cara Reynolds, Daryl Lamb, Leslie Osgood, Amber Brenzikofer, Bill Jones

### **Old Business:**

Denver Show: CMS will ask for clarification on rules for club display. No report at this time.

Junior Rockhounding Program: Program up and running. We need an update from Lewis. The board would like to **recognize and thank Lori Lamb** for educating our young rockhounds for the last several years on the importance of mineral collecting and identification.

Hospitality: Hospitality volunteers needed. Bruce Sales will announce the importance of volunteers and will ask for volunteers to head up the hospitality.

### **Upcoming Meeting Speakers:**

November –Flint Napping

December - Christmas Party (no speaker)

January - Pete Modreski – Tourmaline (need to confirm)

March – TBD

April – TBD

May - Field trips for summer (no speaker)

James Dennis money clips.

December Christmas Pot Luck Party - starts earlier at 6:30pm. Volunteers to set up at 5:00pm. Gary will check to see if we can arrive earlier.

Gary Rowe and Sandra Gonzales will provide minerals for the professional identification. Check with Sherman about assembling minerals for the amateur identification.

Rewording is needed for CMS bylaws - tabled until January

### **New Business:**

Bruce - email from Julio regarding people wanting donations for their personal collection. Bruce will respond that we currently do not have minerals to donate for anyone's personal collection.

Jerry Kiefer was asked if CMS was willing to set up a display at the Wheat Ridge Recreation Center for their spring display. Bruce will research what exactly is needed and what time commitment.

Eva - treasury filed 3rd quarter financials. Sales tax was also filed. Working on money clips for the Christmas party

Amber - newsletter deadline is October 24<sup>th</sup>.

Bruce Sales will send thank you letters to Lori Lamb and the Briscoe's for their volunteer work with CMS.

Daryl Lamb - reported on the council meeting. Grant money is available for education. Denver show visits were down this year due to the floods.

Cara - reported 217 members currently in CMS. She read new memberships for board approval. The motion was accepted by all board members for approval.

Membership by laws needs to be reviewed and will be put on the January agenda. It was recommended to re-due the membership application.

Debbie - reported that everyone who signed up for the Mineral Identification Class have been meeting and learning all about mineral identification.

Gary - updated board members on the New Mexico trip. Gary will update the members who signed up for that trip.

Meeting Adjourned – Next CMS Board meeting is November 19, 2013

*Submitted by Sandra Gonzales*





Colorado Mineral Society  
PO Box 280755  
Lakewood, CO 80228

## FIRST CLASS MAIL



### UPCOMING MEETINGS

#### **Regular CMS Meeting - November**

Date: November 1, 2013 Time:

7:30pm

Place: St. Paul's Church, Lakewood

#### **Regular CMS Meeting - December**

#### **Christmas Holiday Pot Luck Party**

Date: December 6, 2013 Time:

6:30pm (*Note Earlier Time*)

Place: St. Paul's Church, Lakewood

CMS is part of the Rocky Mountain Federation of Mineralogical Societies and American Federation of Mineralogical Societies. The RMFMS Newsletter can be found at [www.rmfmts.org](http://www.rmfmts.org) and the AFMS Newsletter can be found at [www.amfed.org](http://www.amfed.org). Check them out!!!!!!



<http://www.coloradomineralsociety.org>