



# Colorado Mineral Society

# Mineral Minutes



Volume 79, Issue 3

March 2015

## March Presentation

For the March 6, 2015 general meeting of the Colorado Mineral Society (CMS), Pat Tucci and Zelda Bailey will talk about their mineral and fossil trip to Morocco. The talk will highlight some of the specimen collecting and buying, as well as featuring some of the beautiful scenery and culture of the country. An article on their trip is located on Page 3. The March general meeting will be held at St. Paul's Episcopal Church at 10th and Garrison in Lakewood at 7:30pm. Guests and visitors are welcome to attend.

## April 3rd General Meeting at the Clements Center !!!!

St. Paul's Episcopal Church is not available for the April 3rd general meeting because of Good Friday, so the CMS meeting will be held at the Clements Center at 1580 Yarrow St. in Lakewood (near the intersection of W. Colfax Ave. and Wadsworth Blvd.) The meeting start time is the same at 7:30pm. Mark Jacobson will be giving a presentation on the history and mineralogy of the Pikes Peak Batholith.

## What about those "Leav-a-rites?"

How many "leav-a-rites" have you brought home over the years? Remember, you were going to study them, maybe cut and polish some, or use them for yard rocks – all with good intentions. Some years ago I thought that it would be nice if those were made available for kids to browse through and maybe find a treasure. On a number of occasions I've welcomed young neighbors just that opportunity. So I wondered, what if there were a public location where leav-a-rites could find a home and be enjoyed and appreciated and perhaps inspire new rock hounds. I am hoping to find that place. Would you join me in that search? Please let me know if you have any suggestions.

Jerry Kiefer  
jerrykiefier@comcast.net

## President's Message

By Bruce G. Sales

Greetings to everyone, spring has not sprung in the lowlands, and there is still a lot of snow in the high country, there may be a couple of late winter/early spring storms left, but I assure you that collecting season is almost here. Hopefully, you were not fooled by the 70 degree weather early in February, and the snow that replaced it will lead to March coming in like a lion, so that March can go out like a lamb.

At the March 6th meeting, Pat Tucci and Zelda Bailey will be speaking about their trip to Morocco, and collecting fossils and minerals in that Northern African country. They will also be displaying some of the minerals and fossils that were obtained in Morocco.

I want to thank all of the members who helped set up and tear down the hall at the general meetings, so that we could seat everyone. CMS is an organization that operates totally on volunteer effort, if you wish to volunteer please seek out myself or any of the board members at a regular monthly meeting. We will be needing volunteers for the silent auction in May and more volunteers to help with the Denver Gem and Mineral Show in September. If you can't make it to the March, April, or May meetings and want to volunteer, you can always contact me at: [oscar51686@yahoo.com](mailto:oscar51686@yahoo.com).

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# Morocco Mineral and Fossil Tour

Pat Tucci & Zelda Bailey

For a long time we'd wanted to go to Morocco on a mineral and fossil tour, and last April we finally got our chance. The tour was organized by Sahara Overland ([www.saharaoverland.com](http://www.saharaoverland.com)), who can be found at the Ramada Inn (formerly the Holiday Inn) at the Denver Gem and Mineral Show. Our tour guides and drivers – Adam, Aissa, Jamie, and Sergio – were friendly, knowledgeable, and well-connected throughout the country. Our group consisted of ourselves, 4 of our friends, a professor and his wife from the DC area, and a small film crew from the PBS series “Nova” for the first week of our trip. The trip lasted 2 weeks and we covered over 1,000 miles in 4 SUVs across high mountains and wind-swept deserts, staying in large cities and small, walled towns.

We flew in to Casablanca, where we were met by Adam, and then drove south to Marrakech. We spent the next day touring sites in Marrakech – palaces, tombs, gardens, museums, and the world-famous souk for some shopping. Along the way, and throughout the trip, we ate some fabulous Moroccan food. The next day, we were off to collect and buy minerals and fossils for the rest of the trip. We actually did quite a bit of collecting on this trip, and we were prepared, bringing rock hammers and collecting bags with us. We collected amethyst and agate near Asni, cobalt and copper minerals and barite at Bou Azer and Midelt. We also collected trilobites at a couple of different places in southwest Morocco. Although we didn't find anything world-class while collecting, we did find enough good material to fill a few boxes. We also visited Ouarzazate, the location for movies such as Lawrence of Arabia, Jewel of the Nile, and Gladiator. In southeastern Morocco, at the edge of the Sahara Desert, we visited the

quarries where the many orthoceras and goniatites ammonites are collected and prepared, and visited factories that prepared sinks, plates, bookends, and many other items made from these fossils. We also visited factories where trilobites are both fabricated and prepped. Not all Moroccan trilobites are “faked” – we observed the very careful and precise preparation of some of those intricate spiked trilobites that you see on the market. We bought a few flats of the more common trilobite species, but also bought a couple of the more delicate ones for ourselves. Minerals that we purchased included erythrite, vanadinite, barite, siderite and quartz, epidote and quartz, cobaltoan calcite, and “hourglass” amethyst. Unfortunately, we had to leave behind some beautiful azurite, as well as other higher-end specimens and meteorites.



*Digging for trilobites near Tazemourt, southwest Morocco.*

Other highlights of the trip included touring the movie museum in Ouarzazate, Pat riding a camel on the dunes near Merzouga, Zelda trying on numerous scarves and Moroccan dresses at a private home, touring the big 16<sup>th</sup> century Kasbah at Ait Ben Haddou, and meeting with various miners and rock shop owners. Everyone we met was friendly



*Kasbah Ait Ben Hadou, seen in movies such as Gladiator and Jewel of the Nile.*

and welcoming, and we felt perfectly safe during the trip. All of our meals were included in the cost of the trip. Moroccan food is wonderful, and we had some great meals on the trip – various stews of chicken or lamb prepared in the traditional clay tajine, meat and vegetable kababs, couscous, berber omelettes, and seafood. Our lunches often were eaten picnic-style while on the road. We'd stop for fresh bread, fruit, and olives each morning to have with our other dishes when we picnicked. Local wine and beer were quite good, and readily available in the larger cities.

*Continued on Page 4*

## Morocco Mineral and Fossil Tour (continued)

We mentioned the Nova film crew, and we should tell you more about that. The crew consisted of Emmy-award winning director/producer Doug Hamilton, and his young French cameraman and sound-man. They were with us for the first week, filming at both fossil locations and mines, for a Nova segment that will be based on Dr. Robert Hazen's book "The Story of the Earth". Dr. Hazen and his wife were with us on the trip, and were a big factor in our group getting to tour the mines at Bou Azer. In addition to his book, he is an expert on trilobites, and was buying exceptional specimens to donate to the Smithsonian Institute. We were only on camera once, in a sequence where we were driving fast down a dirt road kicking up dust – you can't tell who's in the car, but it was interesting to watch to process and talk with the crew.

The trip was over way too soon. We spent our last day at Adam's warehouse in Rabat, packing up four boxes of mineral and fossil specimens to be shipped home (also included in the trip price), at a later date when Adam ships his material to the States for the Tucson and Denver shows. The more delicate specimens we packed in our suitcases, and amazingly, they all made it home with no damage.



*A large plate of orthoceras and goniatites ammonites being prepared in Erfoud.*



*Finally, a shop that has specimens properly labeled.*



*A flat of erythrite and roselite from the Bou Azer mining district, southern Morocco.*



*Giant sand dunes near Merzouga, southeast Morocco.*

# CLUB NEWS

## CMS Junior Rockhounds Program March 2015 Meeting

### Topic: **Special Effects**

Overview: Some mineral collectors focus their efforts on acquiring particular mineral species like quartz or mineral families like the garnets. Other collectors prefer to gather minerals from a particular location. Dr. Reynolds, the Junior Rockhounds Program Coordinator, enjoys collecting “action minerals,” minerals that have special interactions with electromagnetic radiation like light and magnets. Tonight we will examine many of these special effects in minerals: magnetism, double refraction, pleochroism, chatoyancy, asterism, natural fiber optics, opalescence, the rainbow effect, labradorescence, fluorescence, and phosphorescence. Although you may not remember these big words until you have used them many times, you will certainly be impressed by these electromagnetic inter-actions!

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 Special Effects 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 Special Effects badge is discussed on pages 187-196 of the manual.

Parents or guardians: please print the sign-off sheet on page 188 and check-off, sign, and date each accomplishment as it is completed. Submit the completed form to Lewis Reynolds to process the badge award.

## Junior Rockhounds CMS Showcase at the February Meeting

The CMS Junior Rockhounds put together a showcase at the CMS meeting on February 6th to show their presentation skills. The case was themed with Minecraft and contained a combination of legos and specimens. We are very proud of our Junior Rockhounds and thanks to those who participated in this fun event.



## February 6th Raffle News

**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!!!**

February's tickets sold were \$142, with the retail value of \$130. These funds are spent on CMS education, the purchase of library materials, and the state science fair awards. The most popular specimen was the emerald (\$61) donated by **Richard Owens** and won by a very happy *Sue Lemieux*. The large fluorite specimen from Bingham, New Mexico (\$21) was donated by the **Marg Regal Collection** and won by *Heather DeMarco*, a new CMS member. The pyrite specimen from Quiruvilca Mine in Peru (\$24) donated by **Rocky Mountain Gems and Minerals** was won by *Paul Knappe*. Lucky *Carol Gray* won the epidote specimen from Calumit Mine (\$13) donated anonymously, as well as the wavellite specimen from Arkansas (\$7) donated by **GEOdyssey**. Justin Murphy claimed the fossil fish specimen from Wyoming (\$16) donated by **Marcus Lieberman**.

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

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

**Richard Owens**

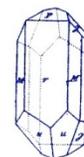
**Marcus Lieberman**

**Marg Regal Collection**

*Submitted by Amber Brenzikofer, CMS Deputy Raffle Manager*



**GEOdyssey LLC**  
Minerals, Fossils, Jewelry



**Zelda Bailey**  
**Pat Tucci**

P.O. Box 16339  
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### New CMS Members

#### First Listing

- Heather DeMarco
- Ben Geller

#### Second Listing

- Michael Zebrowski

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

## Colorado Science and Engineering Fair

**\*\*CMS Needs Judges\*\***

The 60th annual Colorado Science and Engineering Fair will be held on **April 9, 2015** at Colorado State University in Fort Collins. An important element in the Fair is the Special Awards Program. This is a voluntary program sponsored entirely by participating institutions.

Each organization assembles its own panel of judges, uses its own criteria to select award winners, and then presents the award at the Awards Ceremony. In the past, CMS has been an integral part of the Special Awards Program, and we are continuing our support this year. CMS is the only organization that has participated in the Fair from its beginning 60 years ago. Judging will occur on April 9th.

CMS needs to put together a team of judges this year, so contact Craig Hazelton at [paddlething@hotmail.com](mailto:paddlething@hotmail.com) as soon as possible if you want to be a judge.

# 2015 CMS Educational Opportunities Update

by Debbie Kalscheur and Gary Rowe

Last call for Spring classes. There are still openings for classes being offered this Spring. Course write-ups were included in last month's newsletter and are summarized below with current status detail. If we do not get the minimum number of confirmed participants, we will not be able to offer the classes. Please note that the Mineral Identification Course will not be held until Fall 2015, so there is still time to sign up for that class. If maximum is reached on any class, a wait list will be maintained in case of participant cancellations.

If you are interested in attending any of these classes, please contact Debbie Kalscheur at [kalscheur2004@yahoo.com](mailto:kalscheur2004@yahoo.com). If you have already signed up, but your name does not appear below, then please reach out again to ensure you are documented. The deadline has been extended for Map & Compass and the Geology of the Front Range to Sunday, March 8. If you have not already paid your share to hold the spot, please bring payment in the form of a check to the March meeting. Because classes may be canceled if there is not enough participation, cash is not preferred. Class seats will be filled on a first come-first served basis and payment is required to hold the seat.

Please note that class dates are subject to change pending confirmation of the classroom availability at CSM; the classes may also be rescheduled in the event of bad weather.

Details for each course are listed below.

## Geology of the Front Range – Spring 2015 (11 lectures/4 all-day field trips)

Current status: 9 have signed up, 3 of which are tentative. 2 are confirmed. \$75 to confirm. 15 total spots available. Ages 13 and up.

Names: Bill J. (pd), Nels G., Heather D., Susan D., Ian D., John M. (pd), Debbie K., Gary R., Amber B.

The course is designed to help the student understand the geology of the Front Range—from the plate tectonics, to the surface processes, to oceans, to deep within the earth; from volcanoes and molten rock, to the crunching together of plates; and from the uplift of the mountains, to the grinding and sculpting of glaciations.

This class is taught by Ed Raines, a popular geology lecturer in the Denver area. This class is a great opportunity to get an introduction to the geology of the Front Range. The class will meet for lectures on Monday nights for 11 weeks from 6 to 9 pm at the Colorado School of Mines (CSM) Geology Museum in the classroom across from the Geology Museum entrance with a target start date of April 6th. The class also includes four all-day field trips where what we will see the principles learned in the classroom in play out in the field. Course handouts will be emailed.

## Mineral Identification Course Fall 2015 (10 lectures)

Current status: 4 signed up. None confirmed. \$75 to confirm. 10 total spots available. Ages 13 and up.

Names: Marchelle C., Paul H., Cindy H., Terry B.

In this course, you will receive hands-on experience with mineral identification techniques along with gaining an understanding of basic Crystallography and the 6 core crystal systems. This is a great course for those who are fairly new to the mineral world or who just want to expand their skills in accurately identifying rocks and minerals. This class is also taught by Ed Raines. It is planned to be offered in Fall 2015, with a target start date in the last week of Sept. It meets for 10 weeks at the CSM Geology Museum in the classroom across from the Geology Museum entrance. Course handouts will be emailed. This course will meet on Monday or Wednesday nights and is subject to change.

## Two Outdoor Navigation Classes to be offered in April

The CMS Board is pleased to offer two courses on outdoor navigation skills. Both classes are based on participants having little or no knowledge of compasses and/or GPS units. The instructor for both courses is Margaret (Peggy) Ellis. Peggy used to work with the mapping division of USGS and taught orienteering courses at the USGS topographic map center at the Federal Center when those were still offered. She has her own business teaching

## 2015 CMS Educational Opportunities (Continued)

these classes (Outdoor Navigation) and also teaches orienteering classes at REI and Bass Pro Shops. She provided the following descriptions of the two classes that will be offered.

### Map and Compass Class (Saturday, April 11th from 10:00am to 3:00pm)

Current status: 7 signed up. None confirmed. \$10 to confirm. Minimum 10 people needed. We have schedule this class for April 11th at St. Paul's Episcopal Church (10th and Garrison in Lakewood). Ages 13 and up.

Names: Marchelle C., Nels G., Susan D., Ian D., Ric H., Sabra H., Leslie O.

Participants will learn compass components, how to take compass bearings, how to correct your compass for magnetic declination, how to triangulate your position and plot that on a topo map. You will also learn how to read symbology on a USGS topo map, recognize landforms, and calculate angle and percent of slope. This is a "hands on" class that will consist of a combination of classroom instruction and outdoor practice. USGS topo maps and informational materials will be provided to the participant to keep. Compasses will be available for loan but participants are welcome to bring their own compass.

### GPS Navigation Class (Date to be Determined)

Current status: 3 signed up. None confirmed. \$10 to confirm. Minimum 10 people needed. This class may be moved to the Fall if minimum is not achieved for Spring offering. Specific date TBD due to location not being confirmed. Ages 13 and up.

Names: Nels G., Ric H., Phil S.

Participants will learn how to properly setup a GPS, learn the importance of map datums and position formats, how to save a location and return to it by creating a waypoint, how to create tracks, and routes, and how to read and calculate coordinates. This is a "hands on" class and will consist of a combination of inside instruction and outdoor practice.

USGS topo maps and informational material will be provided for participants to keep. Having your own GPS unit is preferred but if you don't have one Peggy has a few GPS units available for loan. For those that have their own GPS unit we will need to know the make and model so Peggy can make sure she knows how it operates (according to Peggy, about 90% of the people who take her classes have a GPS unit manufactured by Garmin).

## "May 2, 2015"

### It's getting closer!

CMS will have its annual silent auction of mineral hobby items on May 2nd at the Holy Shepherd Lutheran Church located at 920 Kipling, 3 blocks north of 6th Avenue in Lakewood, from 11:00 A.M. to 3:00 P.M. Admission is free.

The auction features reasonably priced minerals, fossils, faceted stones, lapidary equipment, books, and jewelry to the general public. A unique aspect of this auction is the ability for visitors to view and bid on fluorescent minerals in a special ultraviolet powered Fluorescent Room! There are door prizes every half hour, and a special verbal auction at 1:00 P.M. of museum quality specimens donated by special dealers. There is abundant parking, refreshments, and easy handicap access without any stairs. As always, the club will have a few auction tables reserved for only children to bid on.

A special invitation is extended to non-CMS members to participate in this auction as sellers and buyers. All sellers are requested to pre-register by phoning Leslie Osgood at 303-986-4488. Sellers can get extra copies of bidding slips in the April CMS newsletter or on our club website at [www.coloradomineralsociety.org](http://www.coloradomineralsociety.org). Our auction committee reserves the right to screen materials sold and to limit sales to three flats of material."

We need volunteers and a sign-up sheet will be available at the upcoming general meetings. We especially **need a volunteer for the fluorescent room**, so if you would like to show off your ultraviolet light skills, please volunteer.

*Submitted by Howie Houk*

# 2015 CMS Membership Dues Reminder

A friendly reminder that your annual membership dues are due for 2015. CMS memberships run from January 1st to December 31st. You can pay your dues in three 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.
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 form is located on the CMS website at [www.coloradomineralsociety.com](http://www.coloradomineralsociety.com).

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.

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 if you cannot attend a general meeting. Contact Cara Reynolds or Amber Brenzikofer to coordinate.

## Denver Gem & Mineral Show Mini Report February 2015

The 2015 Denver Gem & Mineral Show will take place on September 18th - 20th and will be a fantastic show as usual. Don't forget the theme for this year is "Minerals of the American Southwest". The American Southwest is defined for show purposes as the states of Arizona, New Mexico, Nevada and Utah. There are so many beautiful, colorful, stunning, and exquisitely crystallized minerals from these states that the Best of Species competitions at the show are sure to be hotly contested. So look over your collection of minerals from these states and plan to enter your best in the species competition.

Club Liaison Ron Knoshaug has forwarded the volunteer signup sheets, job descriptions, working exhibits space request, and competitive and non-competitive exhibit forms to the club representatives so watch for them at your club meetings. As we say every year, many volunteers are needed to put on the show, over 400. The show depends on the generosity of club members in volunteering their time and energy to put on the show. Look over the needed jobs and volunteer for the one (or ones) that suit your abilities. Some are sitting jobs and some are not. It's not too early to put your name on the volunteer list nor for your club to start planning for the show.

Show flyers and posters are in the works and will be available soon. Your club representative should be bringing them to a club meeting soon.

The Show Committee itself always needs new members as well. Right now a new Security Chair and a Show Website Chair are needed. If you are a computer whiz, perhaps you would like to work on the show website. If you would like to join the committee but aren't sure in what capacity, you can be an At Large member until you find the area that fits your abilities. So tag along with another member of your club who is already on the committee to learn what it is all about. You will meet new people from other clubs and can be proud that you helped to plan the show. If you think you are interested, you can contact the Show Chair, Bob Berry at 303-638-5000 or [debitcard@msn.com](mailto:debitcard@msn.com). You may also contact me at [jrknoshaug@comcast.net](mailto:jrknoshaug@comcast.net) or 303-423-2923.

*Respectfully submitted, Judy Knoshaug, Show Secretary*

# Colorado School of Mines (CSM) Geology Museum Musings

by Bruce Geller

My seventh year directing the Museum has seen a record number of guests and Gift Shop sales. Our attendance data from 2014 show over 37,900 guests (which is 64% over 2013). Guests came from every state, 45 foreign countries, and six continents. Over 79% of our guests were first-time visitors.

I'm proud to announce that as of this writing, we are ranked by Tripadvisor.com as the #2 tourist attraction in Golden, in terms of visitor satisfaction, out of 25 Golden attractions, and were again awarded their Certificate of Excellence. This year we also were awarded the Golden Living Landmarks Award. These resulted from the help of our Advisory Council, Student Aides, staff, Friends of the CSM Geology Museum (FCSMGM), volunteers, and support from donors, specimen loaners, visitors, visiting researchers, CSM faculty, administrators, and students.

The Advisory Council has met monthly and steered the conservation of our six Hoffman mining murals, which have been rehung in their new location on the west wall of our main gallery and they look magnificent. They were also professionally photographed and appraised.



*Announcing an Amazing  
Mineral, Fossil and Book Sale!*

 CSM Museum  
1310 Maple Street, Golden, CO

**Saturday and Sunday,  
April 25+26, 2015  
9 A.M. - 4 P.M.**

Thousands of minerals, rocks, books,  
fossils, maps, journals, etc.

Prices will vary by item or box.  
Most prices will be reduced  
throughout the event.

Information: 303-273-3815

Another fairly large project was expanding our Gift Shop. The Advisory Council along with Collectors Edge Minerals, Inc. and an anonymous donor supported our ten page spread in the Mineralogical Record's "Mineral Collections in Colorado" supplement (available for purchase in our Gift Shop). At this point nearly all of our upstairs displays are illuminated by LEDs and we hope to convert our entire basement to LEDs by this summer.

I held weekly meetings with our Collections Managers and volunteers. These folks ran our Book/Mineral Sales and have been busy keeping our Gift Shop well stocked. Our 2014 Gift Shop sales were up 80%, but our donations box contributions decreased 20%. Our volunteer ranks have now risen to roughly 75. Our Facebook fans are up 30% over last year. More sensational photos of our specimens were posted on the web.

Our Student Aides have led a vast majority of our tours again, rented our teaching and fossil kits, helped with our Book/Mineral Sales, and rung up all of our Gift Shop sales. 47% of our Student Aides graduated in May. Last fall, we hired a record 16 Aides. Currently seven Aides are women – roughly twice the female demographic on campus!

Our Friends of the CSM Geology Museum (FCSMGM) now has over 164 paid memberships. Our President is Steve Sonnenberg. The Friends prepared and conducted our two wildly successful Book/Mineral sales in April and November. They also conducted field trips to Collector's Edge Minerals Inc.; Cherokee Ranch, CO; Petaca, NM, and the Gold Links Mine near Gunnison, CO and bestowed several fine specimens to our collections. As always, FCSMGM members receive 20% discounts in our Gift Shop. Application forms can be found at: [http://issuu.com/csmgeologymuseum/docs/friends\\_app](http://issuu.com/csmgeologymuseum/docs/friends_app).

In September, we held an Ouray-Silverton Mineral Symposium in Ouray, Colorado on September 5-7, 2014. It featured an entire day of talks and a second day of guided field trips in the Ouray and Silverton areas. It was attended by 115 guests. Plans are underway for another gathering of smaller size to be held in Gunnison in July 2015. Anyone interested in planning future symposia is invited to contact me. Later that week, over 280 guests attended our Annual

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## Colorado School of Mines (CSM) Geology Museum Musings (Continued)

Open House, where they saw nine new exhibits and five upgraded exhibits. In 2014 we displayed our specimens at mineral shows in Tucson, Fort Collins, Colorado Springs, Denver, and Socorro.

Our Museum received many outstanding donations in 2014 in terms of minerals, fossils, gems, meteorites, mining artifacts, and cash contributions. We gladly accept geological book, map, and specimen donations throughout the year.

As for upcoming events, we will hold another famous (infamous?) combined Book/Mineral Sale on April 25-26, 2015 from 9am-4pm in the Conference Room across the hall from our Museum entrance. Prices will drop frequently throughout the event on most items. Our Annual Open House is scheduled for September 16, 2015 from 6 to 9pm.

In conclusion, you're welcome to visit on your own during our normal hours: Monday – Saturday 9am to 4pm, Sundays 1pm – 4pm, except for certain legal and school holidays. Our address is 1310 Maple Street, Golden, CO. Admission to our Museum is free (donations are greatly appreciated), but parking fees are required in our lots and on campus streets Mondays through Fridays before 5pm. Further information is available on our website ([http://www.mines.edu/Geology\\_Museum](http://www.mines.edu/Geology_Museum)).

Cordially,

*Bruce Geller, Museum Director*

### CMS General Meeting Notes for February 6, 2015

#### General Announcements

##### Bruce Sales:

- Announced that the Colorado Mining Association asked if we would participate by providing minerals to put on display, but due to short notice, we elected to not participate this year
- Bruce welcomed new members and new visitors

##### Debra Kalscheur:

- Announced the 3 options for education this year (Mineral Identification, Geology of the Front Range, and Map/Compass/GPS)
- Members need to sign up and pay in order to be confirmed in the class. Sign up with Debbie.

##### Cara Reynolds:

- Announced new members
- Memberships renewals are due, please see Cara to pay your membership dues

##### Amber Brenzikofer:

- CMS T-shirt orders are will be finalized so members can put their orders in. Payment needs to be made at the time of the order
- Announced that the scrap book is almost complete, and if anyone has anything to contribute to the book such as photos of field trips or any legal type documents, please contact Amber Brenzikofer.

##### Gary Rowe:

- The field trip guide is being worked on and will be ready for the May meeting.

##### Guest Speaker:

- Craig Hazelton: Modern North American Jade Culture

##### Door Prize Winners :

Brenda Wray	Pam Goodman	Sandra Gonzales
Jack Gray	Nels Grevstad	Dale Gann
Jacson Burford	Denny Vitter	Star Edwards
Marcus Lieberman	Robert Murphy	Bruce Sales

*Submitted by Sandra Gonzales*

### CMS Board Meeting for February 17, 2015 Cancelled

Due to a lack of a quorum, the February Board meeting was cancelled. The next board meeting is scheduled for March 17, 2015.



Colorado Mineral Society  
PO Box 280755  
Lakewood, CO 80228

## FIRST CLASS MAIL



### UPCOMING MEETINGS

#### **Regular CMS Meeting - April**

Date: April 3, 2015 Time: 7:30pm  
Place: Clements Center, Lakewood

#### **Regular CMS Meeting - May**

Date: May 1, 2015 Time: 7:30pm  
Place: St. Paul's Episcopal Church,  
Lakewood

*Field Trip Meeting*

**If the Metro Denver area  
declares the roads on accident  
alert during a snowfall on  
meeting night, consider the  
CMS general meeting canceled.**

#### 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).



#### 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>



<http://www.coloradomineralsociety.org>