



# Colorado Mineral Society

# Mineral Minutes



Volume 77, Issue 4

April 2013

## President's Message

By Bruce G. Sales

Hello everyone. Spring has sprung, time has changed. The sun was shining and the birds were singing outside of my office. My snow dance is still working and I don't see the birds today, but the time is rapidly coming for collecting season to be underway.

We had our first field trip of the season to the Colorado School of Mines Museum on the 18th of March. Dr. Bruce Geller led about twenty-five members of CMS throughout the museum's new exhibits, the revamped lighting of some of the older exhibits and the plans to update all of the lighting in the permanent display cases. He also conducted a tour of "Warehouse 1" in the basement of the Museum Building on the CSM campus (I personally would like to see Warehouse 13, but that is just a personal wish).

We have a field trip scheduled for the 27<sup>th</sup> of April to North Table Mountain in Golden, this is a joint trip with the Flatirons Mineral Club, if you are interested in attending this field trip please contact Gary Rowe or myself at the April 5<sup>th</sup> meeting. More information on the trip is located on Page 3.

We have several positions that need to be filled. We need to find someone to take over Displays, both Gary Rowe and I have full plates and really could use some help with this task. Gary is also searching for someone to assist with planning and coordinating field trips, one of our major recurring annual events. If you have any questions and/or are interested in filling any of these important functions, please contact me or any board member for more information.

This month Sandra Gonzales, Craig Hazelton and Viola Padilla will give a presentation on African minerals and recent trips to South Africa. They will also be displaying some interesting African minerals.

I will be continuing my 10 minute lecture series on crystallography, this month we will discuss the Regular Division of the Hexagonal System. See Page 6 for more information on the Hexagonal System.

I want to remind the membership that there are only six weeks until the Annual Silent Auction on the 4<sup>th</sup> of May. The details of where, when and why can be found later in this newsletter, hope to see all of you there. Bring your specimens to sell, bid often on items that want to go home with you and have a great time at our biggest fundraising event of the year.

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### The Colorado Mineral Society's Mineral Auction Saturday - May 4, 2013

Holy Shepard Lutheran Church  
920 Kipling Street  
Lakewood, Colorado



Silent Auction from 11:00am to 3:00pm  
Verbal Auction at 1:00pm

See Page 4 for more info

## COLORADO MINERAL SOCIETY OFFICERS

### 2013

President: Bruce G. Sales

First VP-Programs: Gary Rowe

Second VP-Education: Debbie Kalschur

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: Lori Lamb

Hospitality: Robert and Natalie Briscoe

Donations: Debbie Kalschur

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 in July, 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).

## April Field Trip Opportunity: North Table Mountain Zeolites

### CMS Members,

We have been invited to attend a field trip to North Table Mountain to look for zeolites that is scheduled for Saturday, April 27. The trip will be hosted by the Flatirons Mineral Club (FMC) out of Boulder and will be led by FMC members Dennis and Linda Gertenbach. I have been working with FMC to schedule several joint CMS-FMC trips and this is the first one to be offered (the rest will be listed as part of the 2013 CMS Field Trip Guide to be released at our May 3<sup>rd</sup> general meeting). Here are the details regarding the trip:

**Meeting Place & Time:** Meet at the RTD Park 'n Ride on Ward Road just north of 44th Avenue at 9:00 am on Saturday April 27. Coming from 44<sup>th</sup> Ave turn north on Ward Road and the Park 'n Ride is to your left after you cross under Highway 70. Parking at the base of North Table Mountain trail we'll take to the collecting site is limited so we may need to have folks carpool to and from the parking area, depending on how many show up. Please arrive between 8:30 and 8:45 am to sign the liability form so we can leave as soon as possible after 9:00 am.

**What to collect:** Zeolite minerals, including analcime, chabazite, thompsonite, and calcite.

**Tools:** Rock pick, chisels, bucket, gloves, eye protection, and something to wrap delicate specimens. Sledge or crack hammers are mandatory as you need to break open boulders/blocks of tough volcanic rock to expose the pockets of zeolites.

**Hazards:** The main hazard is from rock fragments that break off the boulders at high speed when you are busting them up to expose the zeolite. Hence a good set of safety glasses (with side protection) are critical. Rattlesnakes are known to occur in the area, insects will also be present. Bring plenty of water and sunscreen as the south-facing quarry area will receive full sun. Rock falls from the quarry wall are also possible; if you plan to work near the cliff face hard hats are recommended.

**Conditions:** Moderate: the collecting spot is reached after a short but rather steep trail, for those that have attended this trip in the past there is a new trail that takes a more direct route to the old quarry. However, you do need to keep the hike back down in mind when deciding how many specimens you'd like to take home.

**Geology:** During early Paleocene time shoshonite porphyry lava was extruded from several plugs about 5 km north of Golden, Colo., to form lava flows intercalated in the upper part of the Denver Formation. These flows have been dated as being between 63 and 64 million years old; a total of four distinct flows were erupted non-explosively over about one million years; subsequent erosion of the flows and interbedded sedimentary rock has resulted in the formation of North and South Table Mountains.

All four flows are classified as shoshonite porphyry flows. Shoshonite is a term geologists use to describe basaltic andesites that are enriched in potassium. Porphyry is used to indicate the texture of the flow and means the rock is composed of mixture of glass and crystals (phenocrysts), in this case, plagioclase feldspar (Na-Ca feldspar), pyroxene (augite), and olivine with accessory biotite and sanidine (K-feldspar). Silica concentrations are in the range of 50-55% and the potassium content approaches 5%. The main attraction is the secondary zeolite minerals which fill vugs and voids in the second lava flow. References with detailed information regarding the geology and mineralogy of the North Table Mountain locality include:

Drewes, H., 2008, Table Mountain shoshonite porphyry lava flows and their vents, Golden, Colorado: U.S. Geological Survey Scientific Investigations Report 2006-5242, 28 p.

Kile, E.D. (2004) Zeolites and Associated Minerals from the Table Mountains near Golden, Jefferson County, Colorado. Rocks and Minerals, Vol. 79 No. 4, (Zeolites special Issue), 218-238.

Kile, J. and Modreski, P., 1988, Zeolites and Related Minerals from the Table Mountain Lava Flows near Golden, Colorado, "The Mineralogical Record" (Vol. 19 No. 3, May/June, pgs. 153-184).

### What to Do if You Want to Attend this Field Trip:

**Call or e-mail Gary Rowe on or before Wednesday April 24, 2013 if you plan to attend the trip and let him know how many people you plan to bring along with your contact information (email and cell phone number you can be reached on the day of the trip).** Gary will then send a list of attendees to Dennis Gertenbach and the CMS Trip Leader.

Analcime on Thompsonite, North Table Mountain, near Golden, CO



# "MAY 04, 2013"



It's getting closer!

CMS will have its annual silent auction of mineral hobby items on May 4th at the Holy Shepherd Lutheran Church located at 920 Kipling, 3 blocks north of 6<sup>th</sup> 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. Sellers can get extra copies of bidding slips in the April (see Page 11) and May CMS newsletters or on our club website at [www.coloradomineral.society.org](http://www.coloradomineral.society.org).

Our auction committee reserves the right to screen materials sold and to limit sales to three flats of material."

## **WE NEED YOU TO VOLUNTEER**

- \* A set up team
- \* Table clearers & movers
- \* Verbal Auction help
- \* Cashiers
- \* Back room help
- \* Raffle helper
- \* Check-in help
- \* Food service help
- \* Clean up
- \* General help

Please make sure you sign the volunteer sheet at any of our meetings or phone me (Rich). Whether you can help for an hour or the whole auction, we need all the help and FUN we can get.

Do you have any questions about Volunteering? Please call Rich Nelson.

*Submitted by Rich Nelson*

## Denver Gem & Mineral Show Mini Report-March 2013

Don't forget the dates for the Denver Gem & Mineral Show, September 13 – 15, at the Denver Mart. The featured mineral this year is tourmaline. Tourmaline is actually a group of minerals presently consisting of six members: elbaite, schorl and buergerite, dravite, uvite and liddicoatite. People are most familiar with the gem varieties of tourmaline. Rubellite is pink or red, indicolite is blue, green tourmaline has no special name that I could find, and watermelon tourmaline has a reddish center with a green rind. Tourmaline is a beautiful mineral and gemstone and comes from many countries, such as Italy, Brazil, Pakistan, Russia, Sri Lanka, Namibia, and Mozambique. Here in the United States tourmaline has been found in Maine and California. So what does this mean for the Denver Show? The displays and competitions will undoubtedly be colorful, varied and fabulous.

The Show Committee works very hard to present a show to be proud of each year. The committee is a group of people from the eight local clubs and meets all year long. We depend upon the clubs to provide the members of the committee plus the 400+ volunteers necessary to put on the show at show time. Without these dedicated persons, there would not be a show each year. We are so lucky to have such a local event to participate in to fully enjoy the gem, mineral, and fossil hobby. We don't have to travel to Tucson, or the East Coast, or Munich to see the fantastic displays or buy from our favorite dealers or participate in the educational talks. We have the Denver Show right here in our own backyard, which provides a worldwide experience. But the Show Committee continually needs to bring on new members to keep the show going each year. We need some younger faces with new ideas to keep the legacy of the show moving forward. You cannot depend on the "old timers" to keep producing the show year after year. The "old timers" are exactly that, we keep growing older. So give it some thought. Join the show committee! Talk to one of your friends who is already on the committee. Find out more about it. Come to a meeting! You will meet people from the other clubs and make new friends.

Right now the committee is in need of a Publicity Chair. If you are someone who likes that type of activity, consider joining the committee. Contact Show Chair Larry Havens.

*Respectfully submitted, Judy Knoshaug, Show Secretary*



## Mineral Identification Education Opportunity

If you have not taken Ed Raines' mineral identification course yet, this is your chance! The course is held in Golden at the Colorado School of Mines. Class meets once per week for 10 weeks. All materials are provided and includes the use of a microscope, test kit, and flats of rocks to take home and study for the length of the course. The course is normally offered at \$150, but as part of its mission of mineral education, CMS subsidizes half of the cost to club members. Please note that those residing at the same address can take the class together, sharing materials and the cost of the class. Spots are still open for this course. Ten people or pairs fill the class. If you are interested in taking advantage of this great learning opportunity, please contact Debbie Kalscheur to sign up. You can also sign up at the April meeting. The sign-up sheet will be passed around then. Please note that this will be first come for sign-up. A waiting list will be created as needed. The current thought is to begin the class in September 2013 in order to avoid the snowiest months. So, if you are interested, please sign up as soon as possible as not to miss this unique opportunity!



### Welcome!!!

#### New CMS Members - First Listing

Alex Kuzcun  
John and Melinda Thompson

#### New Members - Second Listing

Bill and Maryanne Simon Owens  
Mary Schons

#### Overheard at a CMS Meeting:

What did the shy pebble say? I wish I was a little "bolder".

*Submitted by Sharon Horton from a waitress*

## March 1st Raffle News

The total retail value of March's raffle items were \$122 and brought in \$96 for the science fair endeavors, CMS education, and the purchase of library reading material. The most popular item of the raffle was the fluorite specimen (\$24) donated from the **Marge Regel Collection** and won by *Jesse Deollos*. *Susan Knappe*, became the lucky owner of the fluorite w/barite specimen (\$17), donated by **Phantom LLC**. Three specimens were equally prized for \$14 each: *Paul Knappe* won a pyrite specimen, donated by **Richard Owens**; that lucky *Bruce Sales*, won a manganocalcite specimen, donated from the **Judith Holmes** collection; and *Bill Ramey*, claimed the hematite specimen, donated by **GEOdyssey**. Last but not least, the sphalerite (\$13), donated **anonymously** was won by the lucky *Bob Heckman*.

**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!!!**

Thanks to Amber Brenzikofer for running the raffle.

Congratulations to all our lucky winners!

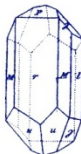
*Submitted by Eva Siemonsma, CMS Raffle Manager*

***Marge Regel***

***Richard Owens***

***Judith Holmes***

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## **It's Time Again for Another Thrilling Chapter from the Life and Times of a Tow Truck Driving Rockhound**

by Eric Hedricks

Greetings to all out there in newsletter land. It is finally Spring and you all know what that means, heavy wet snow, mud, and all the problems that go with it. For months all we have been hearing on the news is "we need the moisture". Well this is the time of year that we get it here. And so far we have been getting everything we need, and some that we don't. Up here at the towing company things have been jumping. That is why I missed last month's newsletter and have not been to a meeting since our holiday party. But today is a beautiful day and I have the time to sit down and zip out my column.

I can finally let all of you know what I have been working on since last summer. Near the end of the digging season last year I was approached by High Noon Entertainment to help them with the new TV show Prospectors. They had been filming on Mt. Antero with Steve Brancato, the Busse family, and others, and near Lake George with Rich Frederd, and Joe Dorris and his family. They asked Agatehead Mike and me if we could show them some other localities in Colorado. Mike and I took the crew to one of our favorite spots located on private property in Southern Weld County to dig for barite. It was a great shoot and I uncovered a very nice little pocket of Barites for the cameras. A few weeks later the production crew came up to the house to film Mike prepping some of the Barites, and me cutting some of the Amazonite that Steve had been collecting on my Lake George claim. On March 7th, we attended the premier party for the show at the Colorado History Museum. We saw the first two of nine episodes and hob-knobbed with politicians, production staff, and the other prospectors. The show looks like it should be a good one and will premier on The Weather Channel on March 26th at 7:00pm. I don't know when the episode that I did will air, but it will probably be later in the series.

My roommate, Agatehead Mike, returned home from Arizona a few weeks ago with some very nice Vanadenite specimens and a bunch of Fire Agate. After a quick rebuild and tune up of my equipment, I commenced to cutting. I really love cutting Fire Agate, you never know what is hiding in there and it takes nerves of steel to expose the true beauty of the stone without cutting through the layer of fire. I have also been working on a parcel of Four Peaks Amethyst that I have been sitting on for the last ten years. I separated the facet grade rough from the cabbings rough and set it aside to be cut at a later date. The cabbings rough is keeping me busy in between Fire Agates.

We will be heading out next weekend to The Fifth Regiment claim near Lake George to check on Steve's progress, and do some digging, I hope. Although we have not hit the big pocket yet, we are working a very nice vein of Amazonite crystals frozen in Smoky Quartz. Some of the crystals from this vein have been fairly good size and it has produced some nice twins, both Bevano and Carlsbad. I wish Bill Hayward was still around to see this stuff since he held that claim for many years before I got my hands on it.

On top of all this other stuff I have going, I still have to get to the ranch when the weather warms up a bit more to finish my stone work. I am starting to get my stuff together for our auction in May, I hope to put together some nice things for everyone to bid on, but I am starting to run short on faceted stones. I hope to have a parcel back from the cutters by auction time but I'm not going to hold my breath. If all goes well I will see you all at the next meeting. Until then, stay safe out there and keep on rocken.

### **"Prospectors"**

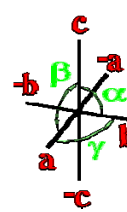
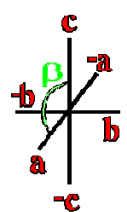
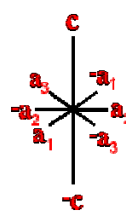
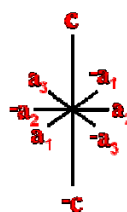
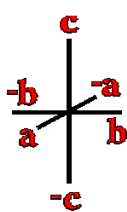
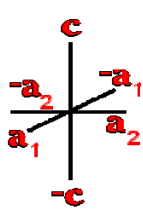
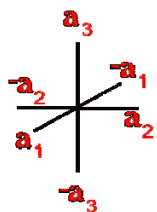
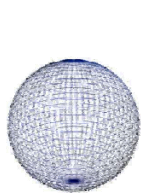
As discussed in Eric's column above, those of you who are "rockhounds" in any way likely already know that the first episode of a new "reality show" on the Weather Channel, "Prospectors", will air at 7 pm Mountain Time on Tuesday, March 26. Filmed in Colorado by High Noon Entertainment and starring some local gem and mineral miners and prospectors, it follows Colorado gem and mineral mining families through a season in the mountains. The nine episode program features spectacular footage of lightning storms shot as miners were filmed working at 13,000 feet. The series will continue on the Weather Channel on Tuesdays at 7 pm, and can also be downloaded at [WeatherChannel.com](http://WeatherChannel.com). Reruns of the shows can be seen the following Saturday evening on the Weather Channel.

# Crystallography 101

By Bruce G. Sales

All minerals fall within one of the crystal systems depicted below. This month we will examine some of the properties of the Hexagonal System, Regular Hexagonal Division.

[Amorphous](#)   [Isometric](#)   [Tetragonal](#)   [Orthorhombic](#)   [Hexagonal](#)   [Trigonal](#)   [Monoclinic](#)   [Triclinic](#)



(1)

## THE REGULAR HEXAGONAL DIVISION OF THE HEXAGONAL SYSTEM

The Hexagonal System of mineral classification is composed of two divisions, the Regular Hexagonal Division and the Trigonal Division. This month, I will focus on the Regular Hexagonal Division of the Hexagonal System.

The crystals of all of the classes of the Hexagonal System are referenced by four crystallographic axes. Three of these axes, the  $a$  axes lie in the horizontal plane and are of equal length with angles of  $120^\circ$  between the positive ends; the fourth axis, the  $c$  axis, is vertical and is at an angle of  $90^\circ$  to the  $a$  axes. When properly oriented, one of the horizontal crystallographic axes is to left to right, and the other two make  $30^\circ$  angles on either side of a line perpendicular to it. As the three horizontal axes are interchangeable with each other, they are usually designated  $a_1$ ,  $a_2$ ,  $a_3$ . The positive end of the  $a_1$  is to front and left, the positive end of the  $a_2$  is to the right and the positive end of the  $a_3$  is to the back and left.

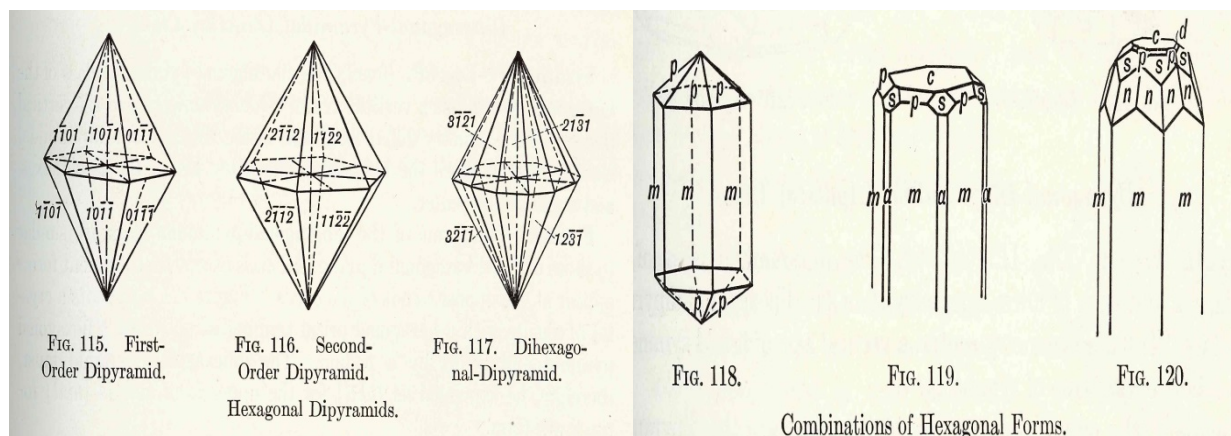
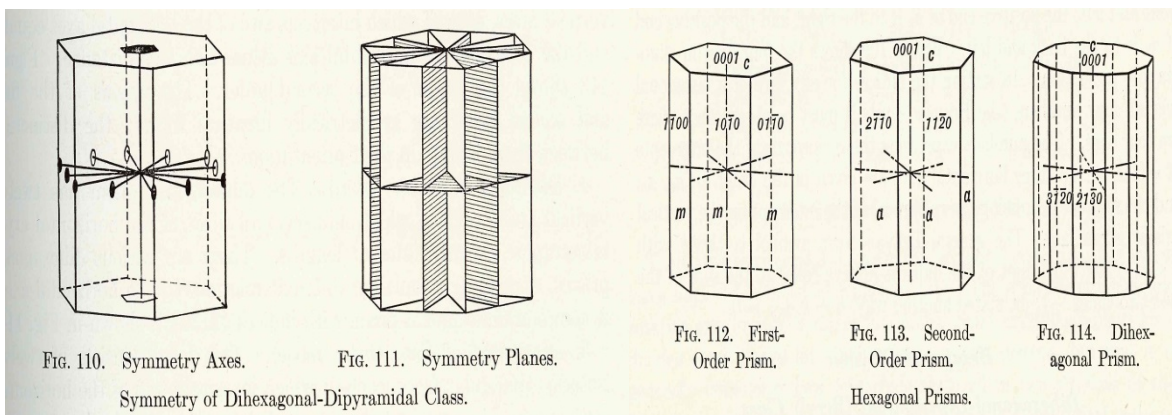
Crystals of the Regular Hexagonal Division of the Hexagonal System possess various elements of symmetry, these elements are: the center of rotation, various axes of rotation and various planes of symmetry. The Regular Hexagonal Division of the Hexagonal System has the fewest minerals of any Crystal classification system. In Colorado the most familiar minerals that we see in the Regular Hexagonal Division of the hexagonal system are beryl [ $\text{Be}_3\text{Al}_2\text{Si}_6\text{O}_{18}$ ], covellite [ $\text{CuS}$ ], molybdenite [ $\text{MoS}_2$ ], and ice [ $\text{H}_2\text{O}$ ].

Beryl, covellite, molybdenite and ice are in the Dihexagonal-Dipyramidal Class and have a center of symmetry (C), the vertical axis ( $c$ ) is one of 6-fold symmetry (1A6). There are six horizontal axes 2-fold symmetry (6A2), three of them coincident with the crystallographic axes ( $a_1$ ,  $a_2$ ,  $a_3$ ), and the other three lying midway between them. There are six vertical planes of symmetry perpendicular to the 2-fold axes, and one horizontal plane of symmetry. (2)

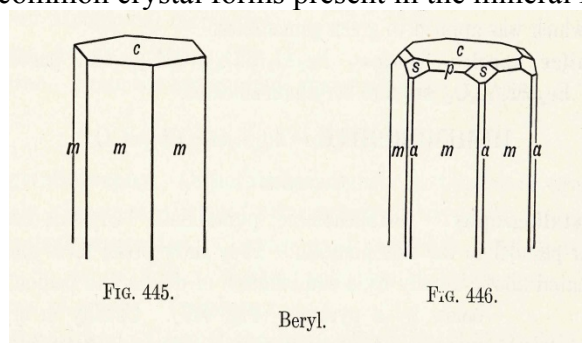
Figures 110-120 on the next page show the various elements of symmetry and some of the common crystal forms found in the Regular Division of the Hexagonal Crystal System. (illustrations from *Dana's Manual of Mineralogy*, Sixteenth Edition, Revised by Cornelius S. Hurlbut, Jr., January, 1952)



## Crystallography 101 (continued)



Figures 445 and 446 show the common crystal forms present in the mineral Beryl.



- (1) Illustrations borrowed from the Crystallography section of the website: ([webmineral.com](http://webmineral.com))  
 (2) Paraphrased and condensed from: *Dana's Manual of Mineralogy*, Sixteenth Edition, Revised by Cornelius S. Hurlbut, Jr., January, 1952

Online Resources:

<http://webmineral.com>

<http://www.mindat.org>

<http://www.minsocam.org>



## COMMUNITY PAGE

### Colorado Springs Mineralogical Society Silent Auction (and Bake Sale) Saturday, March 30, 2013 10:00 a.m. to 2:00 p.m.

Western Museum of Mining and Industry  
225 North Gate Blvd., Colorado Springs

Regular admission prices apply (members of CSMS and other WMMI supporting clubs admitted free)

### *Colorado* **Mineral & Fossil Show - Spring**

*Same Location – New Name!! Ramada Plaza Denver Central (formerly Holiday Inn)*  
4849 Bannock St. (where I-25 meets I-70)

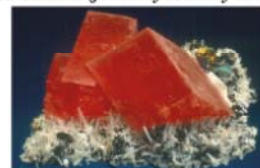
**April 19-21, 2013**

70 top quality mineral & fossil dealers

Minerals \* Fossils \* Meteorites

Gems \* Beads \* Decorator Items

Show Hours: Fri. & Sat. 10-6, Sun. 10-5



**Open to the Public ♦ Free Admission ♦ Free Parking ♦ Wholesale ♦ Retail**

Martin Zinn Expositions, L.L.C., P.O. Box 665, Bernalillo, NM 87004 • Fax: 303-223-3478 • mzeexpo@gmail.com • www.mzeexpo.com

### Request for Information around Ouray Area

Hi there!

I'm a fellow rockhound from Texas. Colorado has always been in my top 3 list of states to visit for rocks and, this July I'm finally taking a trip out there! I'm going to be in Ouray for 5 days and I'm hoping to find someone who can give me some direction on how to identify decent spots for surface collecting within about an hour's drive of Ouray (on or off-road). I'm not looking for any particular mineral (maybe some fluorescent specimens) - just hoping to bring back a few specimens common to Colorado. I need to know if there are public collecting areas available. Here are some trails we may be visiting on our trip:

Governor Basin Road, 37.978879,-107.76515

Yankee Boy Basin, 37.994303,-107.784162

Cinnamon Pass/Cinnamon Mountain

Engineer Pass/Engineer Mountain

Thank you so much for whatever help you can offer!! Also, if you or anyone in your group is ever planning to come to Texas, I will be happy to offer my assistance in making arrangements with a friend who has access to several quarries in the Texas Hill Country.

Tanya

(email the editor to get contact information to respond to Tanya)

### North Jeffco Gem, Jewelry, and Mineral Silent Auction Friday, April 12, 2013

APEX Community Recreation Center  
6842 Wadsworth Blvd, Arvada

Jewelry, gemstones, mineral specimens, craftwork, and rock-craft equipment may be available for sale. Seller limits on number of items to sell: Club Members – No limit, Non-members – Maximum of 30 items.

Setup starts at 5:30 pm, sale begins at 6:45 pm, checkout starts about 9:15 pm. No early checkout. Free admission, free parking, and free refreshments will be served. Visitors welcome. Cash or check only.

### CMS Membership Reminder

The CMS annual dues were due on January 1, 2013 and need to be paid by **April 5, 2013** if you want your name in the CMS Directory and get a Field Trip Guide at the May meeting. You can pay in two ways:

1. Send a check made out to "Colorado Mineral Society" or "CMS" to P.O. Box 280755, Lakewood, Colorado 80228. Please do not send cash through the mail. A membership card will be mailed or emailed back to you.
2. Pay with cash or check at the CMS general meetings the first Friday of each month. Look for the Membership Chairperson to obtain a receipt and membership card.

#### CMS Membership Fees:

Family: \$16 per year

Single: \$14 per year

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

Junior: \$12 per year



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. Also, make sure to give us your updated email address so you can continue to get the newsletter and other important CMS updates.

## CMS Meeting Notes for March 1, 2013

Bruce Sales – Discussion on Crystallography

Guest Speaker: Lewis Reynolds

A special thanks to Lewis for doing an outstanding job discussing chemistry and crystallography

Educational Information: Debbie Kalcheur

- ☐ 10 week mineral identification class will be offered this fall
- ☐ CMS members are encouraged to sign-up for the class.
- ☐ CMS will pay 50% of the cost

Denver Show Update: Bill Jones

- ☐ Needing volunteers for the Denver Show
- ☐ Sign-up sheet passed around for volunteers
- ☐ Theme for 2013 show: Tourmaline

CMS & Community Announcements:

- ☐ North Jeffco silent auction – April 12<sup>th</sup>
- ☐ Flat Irons silent auction- April 12<sup>th</sup>
- ☐ New rock shop, Luster Fine Minerals, in Cherry Creek
- ☐ Colorado School of Mines Museum field trip scheduled for March 18<sup>th</sup> @ 7pm
- ☐ Science Fair judges have been selected: Bruce G, Craig H, Lee B, Ray H
- ☐ Craig Hazelton will be taking over the Science Fair

Memberships: Cara Reynolds

- ☐ Memberships are due

Field Trip Update: Gary Rowe

- ☐ Working on field trip for 2013
- ☐ Asked for anyone who would like to volunteer for field trip guide to get with him ASAP

CMS Auction Update: Leslie Osgood & Rich Nelson

- ☐ Everyone is encouraged to contact Leslie to get your Seller & Buyer's numbers for the May Auction
- ☐ Volunteers needed

Raffle & Newsletter Updates: Amber Brenzikofer

- ☐ All articles need to be submitted to Amber
- ☐ Raffle items introduced to members

Door Prize Winners:

Dana Bowling  
Jerry Kiefer  
Paul Knappe  
Natalie Briscoe  
Gary Rowe  
Don Bray  
Jeff Self

Kid Winners:

Rigel  
Kiper  
DJ  
Tatum  
Gavin

Poster Winner: Harold Taylor

Submitted by Sandra Gonzales



## CMS Board Meeting Notes for March 19, 2013

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

### Old Business:

1. 2013 Committee Chair status:  
**Open Positions** – the following positions remain open: Field Trip Co-Chair and Exhibits.
2. CMS business card proposal – Debbie working on design and getting prices. Presented a proposed design. Once design is completed, pricing will be obtained and presented to the board members.
3. Denver Show update – Bill is recruiting volunteers, attending all meetings, passing out posters and flyers
4. CMS auction updates – Leslie is currently collecting names of buyers and sellers for the May auction. Volunteers are needed – Sign up with Rich Nelson.  
Debbie will be soliciting for donations for the verbal auction. Flyers will be distributed at the April mineral show through various mineral dealers.
5. Mineral identification class dates are being discussed for the fall – Sign up with Debbie.

### New Business:

Bruce Sales:

- Educational program going well.
- Bruce would like to thank Lewis Reynolds for an exceptional job on his presentation to the CMS members.
- Display cases are operational and all the work done on this project is complete.
- Lewis Reynolds has volunteered to take over the Jr. educational program. Lewis is proposing a Future Rockhound AFMS Badge program. Lewis is committing to a 3 year commitment.
- Gary is working on the field trip guide and will have a draft in a few weeks to present to the board members.

Cara Reynolds

- Reported CMS memberships are coming in at a slow rate.
- Sign up for membership by April 12, 2013 in order to be listed in the directory and get a field trip guide.
- Working on sending a receipt confirmation to CMS members after memberships are paid.

Bill Jones

- Bill is currently recruiting for the Denver Show.
- Information will be submitted in the newsletter.

Eva Siemonsma

- Coordinating with a few members to work on money clips for singers for the Christmas program.

Debbie Kalcheur

- Debbie drafted a newsletter guideline for CMS and will be presented to CMS members.

The next Board meeting is scheduled for April 16, 2013 at Leslie's house. Meeting Adjourned.

Meeting Notes Submitted by Sandra Gonzales

[illegible][illegible]

<b>Colorado Mineral Society (CMS) Silent Auction Bid Slip</b>	
<b>Bidder #</b>	<b>Min. Bid \$</b>
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<b>FINAL BID</b>	<b>\$</b>
<i>Seller: Complete this section &amp; description below</i>	
1. Minimum Bid:	\$
2. Seller's Letter:	
3. Donation to club (Circle One)	
20%	100%
4. Description & Item #:	

<b>CMS Silent Auction Buyer's Receipt</b>	
<i>Item Description:</i>	
<b>FINAL BID</b>	<b>\$</b>

*Thanks for your contribution.* For more information about CMS visit our website: <http://www.collegedominion.org>

CMS Silent Auction Buyer's Receipt	
<i>Item Description:</i>	
FINAL BID	\$

*Thanks for your contribution.* For more information about CMS visit our website: <http://www.collegedominicalsociety.org>

<b>CMS Silent Auction Buyer's Receipt</b>	
<i>Item Description:</i>	
<b>FINAL BID</b>	<b>\$</b>

*Thanks for your contribution.* For more information about CMS visit our website: <http://www.coloredministers.org>



Colorado Mineral Society  
PO Box 280755  
Lakewood, CO 80228

## FIRST CLASS MAIL



### UPCOMING EVENTS

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

Date: April 5, 2013 Time: 7:30pm  
Place: St. Paul's Church, Lakewood

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

Date: May 3, 2013 Time: 7:30pm  
Place: St. Paul's Church, Lakewood  
**(Get Your Field Trip Guide)**

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!!!!!!

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

<http://www.coloradomineralsociety.org>