



Colorado Mineral Society

Mineral Minutes



Volume 77, Issue 3

March 2013

Colorado Science and Engineering Fair

The 58th annual Colorado Science and Engineering Fair will be held on April 11 – 13, 2013 at Colorado State University. 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 58 years ago. Judging will occur on April 11th.

CMS has put together a good team of judges this year, including Lee Brown, Bruce Geller, Craig Hazelton, Ray Horton, and Jerry Kiefer. A special thanks to Jerry Kiefer for directing this important project for many years. Starting next year, Craig Hazelton has agreed to become the director of this program for CMS. Thanks to Craig for stepping up and representing the club.

-Editor

President's Message

By Bruce G. Sales

Hello everyone. I did a little “snow dance” this past weekend and it worked, so if you don’t like the snow, it is my fault. The fact is we need the moisture. Look at it this way, the more moisture that we get now, the less the chance that field trips will be canceled due to the high risk of wildfires this summer, and maybe the moisture will wash of the dirt covering that perfect specimen on the surface.

I want to thank Robert and Natalie Briscoe for taking on the duties of Hospitality at the monthly meetings. I also wish to thank Mike and Jennifer Senary for the great job that they have done with Hospitality for the past couple of years.

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.

We have many great presentations and displays planned for the 2013 year. This month, Dr. Lewis Reynolds will give a presentation on the chemical structure and optical properties of Calcite and similar carbonate minerals (see more information on Page 3).

I will be continuing my 10 minute lecture series on crystallography. This month we will discuss the Trigonal Division of the Hexagonal System. More information can be found on Page 8.

Our next Society meeting is Friday, March 1st at 7:30 PM at our usual location - St. Paul’s Episcopal Church on the southwest corner of Garrison Street and 10th Avenue in Lakewood. I hope to see you there.

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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: Lori Lamb
Hospitality: Robert and Natalie Briscoe
Donations: Debbie Kalscheur
Web Master: Julio Edwards
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.

MINERAL MINUTES is the official publication of the COLORADO MINERAL SOCIETY and is published monthly October through May with special editions as needed. All correspondence to Mineral Minutes should be sent to Editor, P.O. Box 280755, Lakewood, Colorado 80228-0755. Any material herein may be reproduced by any club if proper credit is given. Material from many sources is used in the Mineral Minutes. While it is believed that these items are accurate, neither the editor nor the Colorado Mineral Society assumes any liability for their use. Advertiser's claims are their own, and their products are not warranted by the Colorado Mineral Society. Any article written without an author is your editors. If you have anything you want printed in this newsletter, contact the editor by the 24th of the month prior to publication at:

Amber Brenzikofer
brenzikofer@yahoo.com

March 2013 Presentation: "Seeing Double: An Extraordinary View of Ordinary Carbonate Minerals"

The remarkable optical properties of clear rhombs of calcite are well known: if the crystal is placed on a dot written on paper, then two dots will be observed through the crystal! At the March meeting, CMS member Dr. Lewis Reynolds will discuss the chemical structure and resulting optical properties of calcite and similar carbonate minerals. The evening's presentation will be accompanied by a display of minerals from the calcite, dolomite, and aragonite groups of the carbonate class of minerals.

Brief Speaker Biography: Lewis Reynolds, Ph.D.

Lewis Reynolds has pursued interests in mineralogy and geology for most of his life, beginning with a small quartz crystal found on the preschool playground and later with fluorescent minerals collected at Franklin, New Jersey, during family vacations. These experiences motivated his continued studies in physics and chemistry at Calvin College and Penn State, concluding with doctoral studies involving time-resolved fluorescence spectroscopy using ultrafast lasers. For the past dozen years, Dr. Reynolds has worked as a Senior Research Engineer at Data Fusion Corporation completing innovative projects in imaging spectroscopy, Global Positioning System signal processing, navigation, and computer vision. He is happily married to Cara (the CMS membership chairperson) and is the father of two of the club's talented junior prospectors: Kuyper and Rigel.

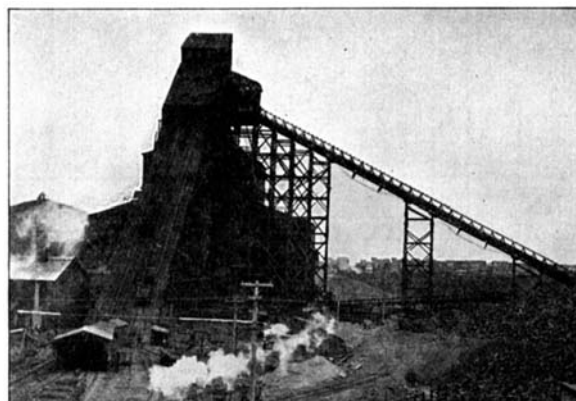
2013 RMFMS Convention and Show Sandy, Utah



Mining History Huddle

Every wonder what Tommy Knockers are, other than a popular place to eat in Idaho Springs? Do you know which mineral has produced the most economic benefit to Colorado? There is so much to know and to learn about mining history in Colorado and around the world.

Beginning in the April newsletter issue, a story about mining history will be included in the newsletter as part of the promotion of mineral-related education in the club. If you have a particular topic or story that you would like to see covered, please send suggestions to Debbie Kalscheur. This will be fun!



Educational Opportunities

We are exploring the possibility of offering another opportunity for club members to experience Ed Raines' Mineral Identification course. This course has been extremely popular with club members in the past and the interest still remains high. It is generally a 10 week course, meeting on a week night once per week for two hours. Ed loans out a flat of minerals for each week for study at home. There has been a waiting list each time this course has been offered, so in order to give everyone a chance at this valuable education, this course will only be available to those club members who have not been accepted into the course. If you had the chance to take the course in the past [not on the waiting list], you will not be eligible to sign up again. Course details are being finalized with Ed Raines. An "interest" sign-up sheet will be passed around at the March meeting. The class is targeted to be offered in Fall 2013. Please contact Debbie Kalscheur with any questions.

CMS Tour of Colorado School of Mines Geology Museum

Monday, March 18, 2013



Dr. Bruce Geller, Curator of the School of Mines Geology Museum and esteemed long-time member of CMS has arranged a special tour of the Colorado School of Mines Geology Museum for Monday, March 18 starting at 7:00 pm. The **Colorado School of Mines Geology Museum**, home to one of the state's two Goodwill moon rocks collected during the Apollo 17 mission, was started in 1874 and displays mineral, fossil, gemstone, meteorite and historic mining artifact exhibits on two floors. The museum serves as the state repository for Colorado's mineral heritage and promotes its importance and understanding to the university community and the public. It aims to inspire scientific curiosity through education and research while encouraging appreciation of the earth and responsibility for its mineral, fossil, meteorite and historic mining treasures.

The main floor exhibits feature specimens from many Colorado mining districts, other global localities and an introductory video on area geology. The Special Exhibit Room hosts prominent precious metal and invited displays. The main gallery also showcases historic mining murals by Irwin Hoffman. The basement contains numerous exhibits regarding radioactivity, fossils, basic geology, gemstones, meteorites, ultraviolet minerals and underground mining illumination.

The museum is located in the General Research Laboratory (GRL) building on the School of Mines campus at 1310 Maple St., Golden, CO 80401. There are a limited number of reserved parking spaces in the lot northwest of the museum building: enter the museum lot via 13th Street. If the lot is full, please obtain a permit from a parking kiosk and park in a legal spot along Maple Street, south of 13th Street. You might also find parking along 13th Street east of Maple Street. If these street spaces are taken, please park west of the museum in lot Q. If you would rather park for free, limited spaces may be available along the north side of 11th Street, two blocks north of our building.



This tour is contingent upon the availability of Bruce Geller (there is a chance he will be called out of town at the last minute) and good weather. We will circulate a sign-up sheet at the March 1st CMS meeting and if there is cause to cancel the tour, Gary Rowe (CMS Field Trip Coordinator) will get the word out by phone or e-mail. If you can't make the March 1st CMS meeting, but wish to go, please contact Gary by phone (303-236-1461) or e-mail at glrowe@usgs.gov and let him know your name and how many friends or family members plan to attend.

Fort Collins Rockhounds 51st Annual Gem & Mineral Show March 23-25, 2012

Thomas M. McKee 4-H, Youth & Community
Building, Larimer County Fairgrounds ("The Ranch"),
Loveland, Colorado. Friday, March 23, 4pm-8pm;
Saturday, March 24, 9am-6pm; Sunday, March 25,
10am-5p.m. www.fortcollinsrockhounds.org

For Sale

For sale: Large approx. 65 pound rock of
Chilean lapis, cuttable, good for cabs AND
also selling fist size hematite rock, very
nice specimen.

Call Star for pricing at 303-861-1186

North Jeffco Gem, Jewelry, 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. For more
information, call Ron Knoshaug at 303-423-2923 or email
at jrknoshaug@comcast.net

“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 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

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

Mark your Calendar! Find a good specimen for the Auction or buy one there.

Have a great day!

Rich Nelson

Wanted

Wanted: Small to medium size fluorescent box to display minerals.
Call Star at 303-861-1186



WE NEED YOU TO VOLUNTEER FOR THE AUCTION DAY

Please help us run our silent auction on auction day, we'd love to have you there. This is the only fundraiser we have for the CMS.

We need all the help we can get.

Like:

- * 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 at (303-697-1574).

Request

Does the club have a 6 wheel (or 5) grinding and polishing machine that a member may "check out"?

Thank you,

Ken Gerecht

Note from editor: If you can help Ken out, please contact me at brenzikofer@yahoo.com to get contact information.

WILL BUY COLLECTIONS
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xtal-dbeals.com

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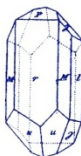
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Richard Owens

February 1st Raffle News

The raffle continues to be a success with your never-ending support. February's tickets sold amounted to \$116, with the retail value of \$218. These funds will be spent on the state science fair awards, CMS education, and the purchase of library reading material. The Chalcopryrite specimen (\$12), donated by **Sandra Gonzales**, was won by Susan Duncanson. The Selicified Breccia specimen (\$5) donated **anonymously** was won by *Jesse DeOllos*. *Jesse DeOllos* – winning a second time in one night - claimed the Serpentine var. Williamsite specimen (\$5) that was donated by **Richard Owens**. The Sphalerite on Galena (\$65) donated by **The Enchanted Rock Garden** was won by *Dale Gann*. *John Powell* claimed the Danburite specimen (\$125) donated by **Xtal**. Last but not least, *Natalie Briscoe's* ticket won the Agatized Fossil Coral (\$6) that was donated by **GEOdyssey**.

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

2013 Denver Gem and Mineral Show

We need your help to put on the quality Denver Gem and Mineral Show in September 2013. It takes over 400 volunteers to put on the three-day show. There is plenty of opportunity to help with something you are comfortable doing. You can meet new people and receive free admission by volunteering.

Here is a brief description of jobs for volunteers at the Show. Other information and a signup sheet are available at our monthly meetings. We need to turn in the sign-up sheets by June, so the May meeting will be the last chance to sign up. If you have any questions or want to sign up to volunteer and don't attend the CMS meetings, please contact Bill Jones.

CLUB BOOTH: CMS will have a booth that will need members to give away free mineral specimens and answer questions about the club.

SECURITY: The main job is to patrol the show floor and the parking lots. Orange security vests and walkie-talkies are provided. Security volunteers do not attempt to apprehend suspected shoplifters, but radio back to the security head. Volunteers are asked for 4-hour shifts at a time. Other security at the show is provided by the Mart and contracted by the Show Committee.

CLERKS TO ASSIST JUDGING: Clerks are needed to assist with judging during the show. These individuals must be willing to work with team of judges throughout Friday and be able to neatly and accurately record judge's comments. This is a good place to learn first hand the rules and protocol of judging.

HOSPITALITY: Need volunteers every day to serve coffee and tea, donuts and snacks to the volunteers and dealers.

SALES AREA: This job is sales of grab bags, posters, and pins and is fun because you work mostly with kids. Many volunteers are needed on Friday morning when the school children are at the show.

ADMISSIONS: These are sitting jobs for handstampers, ticket-takers and ticket-sellers (need cash handling experience making change and working fast when the crowds arrive).

EXHIBITS: Volunteers are needed Thursday to assist the exhibitors as they register and set up their cases. Help is needed in cleaning the glass window in cases each day for fingerprints, etc.

DEALER CHECK IN: Workers needed Thursday through Sunday. Minimal typing required.

VOLUNTEER CHECK IN: Wednesday through Sunday in keeping track of the volunteers and giving out badges. This is a sitting job.

SHOW SET UP: Volunteers are needed to set up Wednesday from about 9:00 a.m. until the setup is finished. We will be cutting plastic, skirting tables, assembling exhibit cases, etc.

SHOW TAKE DOWN: Volunteers are needed Sunday after 5 p.m. Strip tables, take down cases, pack away risers, cases, etc.

SCHOOLS: Help with the school children, give them a brief talk about the show, and guide them into the show entrance. Friday morning from 8:30 a.m. to noon.

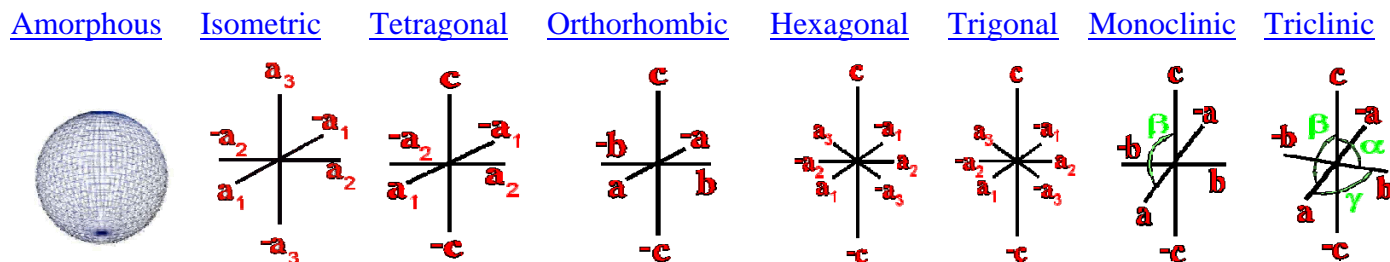
POSTER/GEMSTONE GIVEAWAY: Exchange coupons from ads in the newspaper for posters or individually bagged gemstones. This is mostly a sitting job.



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 Trigonal Division of the Hexagonal System.



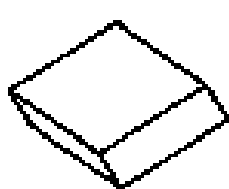
(1)

THE TRIGONAL DIVISION OF THE HEXAGONAL SYSTEM

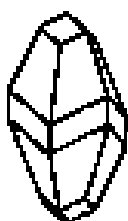
The Hexagonal System of mineral classification is composed of two divisions, the Regular Division and the Trigonal Division. This month, I will focus on the Trigonal Division, which coincides with Dr. Reynolds talk on the chemical structure and optical properties of Calcite and other carbonate minerals. Next month I will focus on the Regular 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° between the positive ends; the fourth axis, the c axis, is vertical and is at an angle of 90° to the a axes. When properly oriented, one of the horizontal crystallographic axes is to left to right, and the other two make 30° 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.

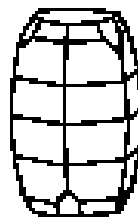
Crystals of the Trigonal Division of the Hexagonal System possess various elements of symmetry, these elements are: the center of rotation, various axes of rotation and various planes of symmetry. In Colorado, the most familiar minerals that we see in the Trigonal Division of the hexagonal system are Calcite [CaCO_3], Dolomite [$\text{CaMg}(\text{CO}_3)_2$], Rhodochrosite [MnCO_3], Phenakite [Be_2SiO_4], and Quartz [SiO_2].



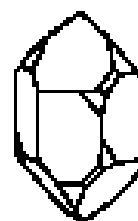
rhomboheda



Calcite



Corundum



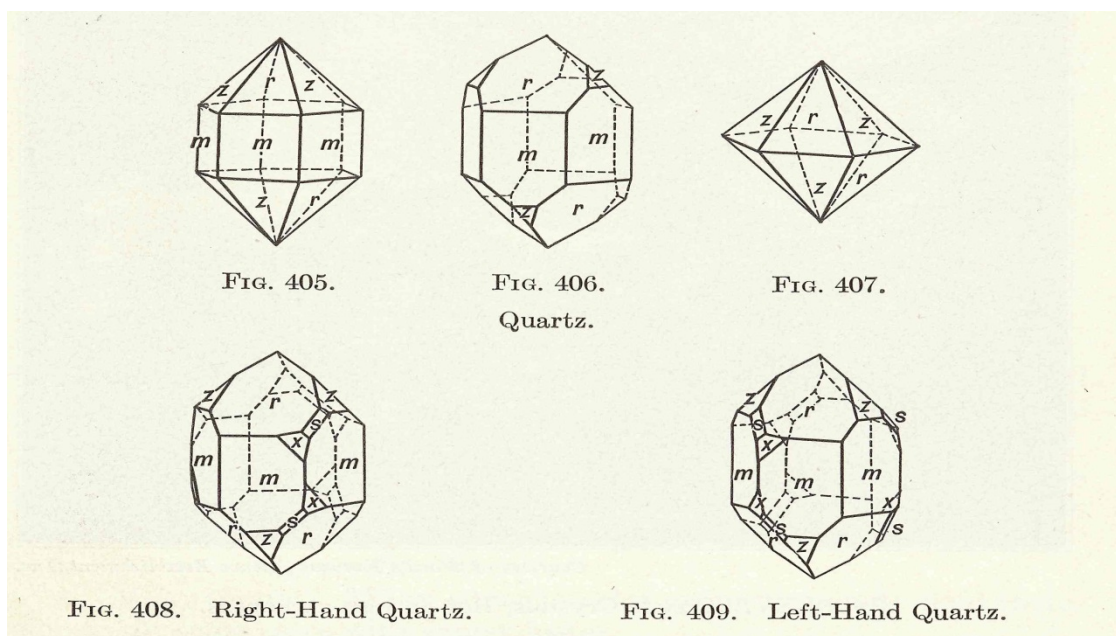
Quartz

Calcite and Rhodochrosite are in the Hexagonal-Scalenohedral Class and have a center of symmetry, the vertical axis (c) is one of 3-fold symmetry, and the three horizontal axes (a_1 , a_2 , a_3) are axes of 2-fold symmetry. There are three vertical planes of symmetry bisecting the angles between the horizontal axes. Calcite crystals are extremely varied in habit, often highly complex. Over 300 different forms have been described. Three important habits are: (1) prismatic, in long and short prisms, in which the prism faces are prominent, with basal pinacoid or rhombohedral terminations; (2) rhombohedral, in which rhombohedral forms predominate, both low and steep rhombohedrons; (3) Scalenohedral, in which the scalenohedrons predominate, often with prism faces and rhombohedral truncations. Rhodochrosite exhibits rhombohedral forms, frequently with curved faces.

Crystallography 101 (continued)

Dolomite and Phenakite are in the Rhombohedral Class and have a center of symmetry (C), the vertical axis (c) is one of 3-fold symmetry ($1A_3$), and the three horizontal axes (a_1, a_2, a_3) are axes of 2-fold symmetry ($3A_2$). Dolomite crystals are usually the unit rhombohedron, more rarely a steep rhombohedron and base pinacoid. Faces are often curved, some so acutely as to form “saddle-shaped” crystals, other forms are rare. Phenakite crystals are usually rhombohedral in form; short prisms may be present, often with complex development.

Quartz is in the Trigonal-Trapezohedral Class; minerals in this class lack a center of symmetry, the vertical crystallographic axis an axis of 3-fold symmetry ($1A_3$) and the three horizontal crystallographic axes are axes of 2-fold symmetry ($3A_2$). Quartz crystals are commonly prismatic, with prism faces horizontally striated. Quartz crystals are usually terminated by a combination of positive and negative rhombohedrons, which often are so equally developed as to give the effect of a hexagonal dipyramid (Fig. 405). In some crystals, one rhombohedron predominates or occurs alone (Fig. 406). The prism faces may be wanting, and the combination of the two rhombohedrons gives what appears to be a doubly terminated hexagonal dipyramid (known as a quartzoid) (Fig. 407). Some crystals are malformed, but the recognition of the prism faces by their horizontal striations will assist in the orientation of the crystal. The Trapezohedral faces x are occasionally observed as small truncations between a prism face and that of an adjoining rhombohedron either to the right or left, forming what are known as right- or left-handed crystals (Fig. 408 and 409).



- (1) Illustrations borrowed from the Crystallography section of the website: (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>

CMS Membership Reminder

The CMS annual dues were due on January 1, 2013 and need to be paid by March 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 Club Meeting Notes for February 1, 2013

Board Member Updates:

Bruce Sales, CMS President, called the meeting to order and welcomed new members and visitors. He announced that Robert and Natalie Brisco will take over Hospitality beginning with the next meeting. A big thank you to Jennifer and Mike for serving as Hospitality the last few years. Bruce invited members to consider volunteering for the following open positions:

- Exhibits/Display Chair
- Field Trip Assistant [to Gary Rowe]

Bruce recognized, on behalf of the club, Daryl Lamb for service as President for three years. A certificate of appreciation was presented. Daryl now represents CMS as the Denver Council Representative.

Eva Siemonsma, CMS Treasurer, updated members on the CMS financial report and made the report available for member review for the duration of the meeting. She announced that Amber Brenzikofer is the backup raffle manager.

Amber Brenzikofer, CMS Newsletter Editor, updated CMS members that the newsletter has been sent out and encouraged all members to go paperless by switching over to email. A few email addresses bounced back with this week's mailing, so if you did not get a newsletter, please see Amber.

Cara Reynolds, CMS Membership Chair, announced new members and informed that there was a huge rush in January to renew membership. Membership dues for 2013 need to be paid in January. Cutoff to renew will be the March meeting to receive a field trip guide in May.

Bill Jones, Show Committee Chair, updated CMS members on the Denver Show and encouraged all to get involved. A volunteer sign-up sheet was passed around and will be again in the March meeting.

Debbie Kalscheur, 2nd VP, discussed potential educational opportunities that may be made available for 2013. CMS membership was asked for interest in Ed Raines Mineral Identification course and interest was high. Debbie to follow up with Ed for details. Class would be offered the Fall of 2013.

Other Announcements and Displays:

Jerry Keifer made an announcement that this year's Science Fair will be held on April 11. CMS is the only club that has been participating all 58 years of the Fair's existence. CMS judges in the Earth Science division. Jerry called for 4-5 volunteers to help judge the event representing CMS. He also announced that he had brought DIA fossils from the David Runron's collection to be offered to those interested.

Gary Rowe and other CMS members displayed crocoite and other specimens from Tasmania, Australia, South Africa, or Antarctica as part of the video that was shown about the Adelaide Mine in Tasmania

Amber Brenzikofer displayed DIA fossils and minerals and offered selenite from the DIA location to those interested.

CMS Board Meeting Notes for February 19, 2013

Attendees: Bruce Sales, Daryl Lamb, Gary Rowe, Bill Jones, Debbie Kalscheur, Cara Reynolds, and Leslie Osgood

Old Business:

1. 2013 Board and Committee Chair status:
Hospitality – Robert and Natalie Briscoe will begin in March. Gary Rowe to contact both Natalie and Jennifer/Mike to arrange for transfer of supplies at the next club meeting.
Open Positions – the following positions are remain open: Field Trip Co-Chair, Exhibits, and Door Prizes.
2. Amber now has her Gaming license in her possession and began running the raffle as a backup for Eva at the February meeting.
3. Debbie will present a design and pricing for a proposed CMS business card at the next Board meeting.
4. Bruce confirmed that the wood cases for the displays have been purchased and now in use. Bruce received proposal on an alternative name badge producer, but the decision was made to remain with the current provider since proposal was not economic. Educational seminar on Crystallography will continue with each meeting.
5. Bill Jones updated the Board on recruiting for the Denver Show which began at the February meeting. Signup sheets will be passed around at the next couple of meetings. Descriptions of volunteer opportunities will be included in the March newsletter.
6. Amber currently has the club packet and will hand off to Bruce Sales

New Business:

General Business

- By Laws were discussed and will not be changed. Membership based on the calendar year.
- The Board will refresh newsletter guidelines to ensure contribution alignment with club purpose.

Treasury

- Eva filed the IRS form 990-N. Bruce Sales is the principle contact.

Club Membership

- Cara Reynolds reporting CMS membership count – 229 Total. 17 people renewed last month.
- Membership dues receipt confirmation are now being sent out via email to all those members renewing with an active email address.
- Cara is working on other efficiencies to the membership process/database and will phase them in over time.

Education

- Debbie Kalscheur briefly discussed potential educational opportunities for members in 2013. Results of membership survey conducted two years ago were reviewed. There is strong member interest in another offering of Ed Raines Mineral Identification course. Debbie will confirm dates of the course with Ed. Board confirmed that funds would be available to offer 50% match to club members for this course. Course planned for Fall 2013 and will only be open to those members who have not yet had the opportunity to sign up for the course.
- Debbie will begin writing a mining history interest article beginning in the March newsletter.

Science Fair

- Jerry Kiefer has confirmed that the team is in place for judging this year's entries.
- Fair prizes were reviewed and the motion made to increase each of the 4 cash prizes by \$10 to \$50 for first prize and \$35 for second in each of the two competitive categories.

Junior Rock Hounds

- Cara Reynolds announced that Lewis Reynolds can start assisting with teaching starting this fall.
- Daryl Lamb announced that 2013 will be Lori Lamb's last year of teaching.
- Due to age range of the Junior Rockhounds, it is necessary to have another adult help out with the younger children. The call will be made again for parents to assist (rotating months).

School of Mines Museum Tour

- Gary Rowe confirming date of museum tour with Bruce Geller using the three dates discussed at February's meeting. March 18th is the planned date. Gary will confirm with Bruce and send announcement to Amber for inclusion in the next newsletter.

2013 Field Trips

- Gary Rowe will be prepared to talk about this year's roster of field trips at the next Board meeting.

The next Board meeting is scheduled for March 19th, 2013 at Leslie's house.

Meeting Notes Submitted by Debbie Kalscheur





Colorado Mineral Society
PO Box 280755
Lakewood, CO 80228

FIRST CLASS MAIL



UPCOMING EVENTS

Regular CMS Meeting - March

Date: March 1, 2013 Time: 7:30pm

Place: St. Paul's Church, Lakewood

Regular CMS Meeting - April

Date: April 5, 2013 Time: 7:30pm

Place: St. Paul's Church, Lakewood

**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>