



THE BULLETIN OF THE COLORADO SPRINGS MINERALOGICAL SOCIETY Published Since 1960

Colorado Springs
Mineralogical Society
Founded in 1936

Lazard Cahn
Honorary President
December 2017
PICK&PACK

Vol 57.. Number #10

CSMS General Assembly

Thursday, December 21, 7:00 PM

Christmas Party-Potluck Dinner-Gift Exchange

and Microscope Auction

Please see below for details

****In case of inclement weather, please call****

Mt. Carmel Veteran's Service Center 719 309-4714

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Colorado Springs Mineralogical Society Annual Christmas Party

Where: Mt. Carmel Veteran's Service Center

When: December 21, 2017 at 7:00 PM

What: Potluck Dinner

Those with last names beginning with A-L bring Hors d'oeuvres or a Main Dish

Those with last names beginning with M-Z bring Desserts

Gift Exchange:

If you would like to participate in the gift exchange, please bring a wrapped gift (hobby related, \$10.00 minimum value). Tables will be set up at the front of the room where you can drop off your gift and pick up a number for your gift exchange.

Microscope Auction:

An Olympus Model CH2 4X10X40X100 power Microscope will be auctioned off with a starting bid of \$25

CSMS Calendar

December 2017 & January 2018

Thu., **Dec. 7 & Jan. 4** — **Board Meeting**, 7p.m., Pikes Peak United Methodist Church

Tue., **Dec. 5 & Jan. 2** — **Fossil Group**, 7p.m., Methodist Church, Jerry Suchan, 303 648-3410

Thu., **Dec. 21 & Jan. 18** — **Pebble Pups & Jrs**, 5:30p.m., Mt. Carmel Ctr., Steve Veatch, 719 748-5010

Thu., **Dec. 21 & Jan. 18** — **General Assembly**, 7p.m., Mt. Carmel Center

Note: January Installation Dinner is at The Golden Corral

Thu., **Jan. 25** — **Crystal Group**, 7p.m., Mt. Carmel Center, Kevin Witte, 719 638-7919

Thu., **Jan. 25** — **Faceting Group** 7p.m., Medina's home, John Massie, 719 338-4276

Note: The Micromount Group is not meeting at this time. If you are interested in meeting, please call Dave Olsen, 719 495-8720

Appointment Only—Jewelry Group, Bill Arnson, 719 337-8070

Appointment Only—Lapidary Group, Sharon Holte, 719 217-5683

For more information on any of the sub-groups, meetings, and other CSMS valuable information, go to our website, csms1936.com

Upcoming Events of Interest to CSMS Members

Submitted by Pete Modreski

Sat.-Sun., Dec. 2-3, 9 a.m. – 4 p.m., "Book and garage sale" at the Colorado School of Mines Geology Museum, 1310 Maple St., Golden. "Lapidary equipment and material, books, journals, minerals, fossils, maps, and miscellanea. Prices vary by item or box. Most prices will drop throughout the event."

Sat.-Sun., Dec. 2-3, Open House and Sale, Dave Bunk Minerals & Lithographie Showroom, 5695 Yukon Street, Arvada, Colorado. I can't seem to find the exact hours they will be open, but I believe it is about 10 a.m. to 5 p.m., perhaps plus one hour on either side.

Tues., Dec. 5, 3:00 p.m., Ellen Currano (University of Wyoming), Seeing the forest through the leaves - from Ethiopia to the Rocky Mountains. Denver Museum of Nature & Science Earth Science Colloquium Series; VIP Room, DMNS; all are welcome, and museum admission is not required to attend.

Fri.-Sun., Dec. 8-10, Flatirons Mineral Club annual Gem and Mineral Show, "Rocks and Rails". Boulder County Fairgrounds, Main Exhibit Building, 9595 Nelson Rd., Longmont, CO. Combined Gem and Mineral Show + Boulder Model Railroad Club Exposition; 10 a.m. – 5 p.m. each day. See <https://flatironsmineralclub.org/about/annual-fmc-gem-and-mineral-show/>.

Wed., Dec. 13, 5:30 p.m., Colorado Scientific Society Annual Meeting, Potluck Dinner, and President's Address, by Marith Reheis, USGS Scientist Emeritus: DUST! Why Should You Care? (The answer is blowing in the wind). At the Arbor House, in Maple Grove Park, 14600 W. 32nd Ave., Golden. Social time begins at 5:30, potluck dinner at 6:00, program begins at 7:00 p.m.

Lecture series throughout the year:

Colorado Café Scientifique in Denver, monthly lectures on science topics held either at Blake Street Station or Brooklyn's, Denver; open to the public, no charge other than refreshments you may choose to purchase; see <http://cafescicolorado.org/>.

Colorado Scientific Society (Lakewood, monthly meetings, usu. 3rd Thurs., Sept.-May), <http://coloscisoc.org/>.

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CU Geological Science Colloquium (Wednesdays, 4 p.m.) see <http://www.colorado.edu/geologicalsciences/colloquium>

CSU Dept. of Geoscience Seminars (Fridays, 4 p.m.), see <https://warnercnr.colostate.edu/geosciences/geosciences-seminar-series/>

Van Tuyl Lecture Series, Colorado School of Mines, (Thursdays, 4 p.m.): <https://geology.mines.edu/events-calendar/lectures/>

Denver Mining Club (Mondays, 11:30), see <http://www.denverminingclub.org/>

Denver Region Exploration Geologists Society (DREGS; 1st Monday, 7 p.m.), <http://www.dregs.org/index.html>

Florissant Scientific Society (FSS); meets monthly in various Front Range locations for a lecture or field trip; meeting locations vary, normally on Sundays at noon; all interested persons are welcome to attend the meetings and trips; see <http://www.fss-co.org/> for details and schedules.

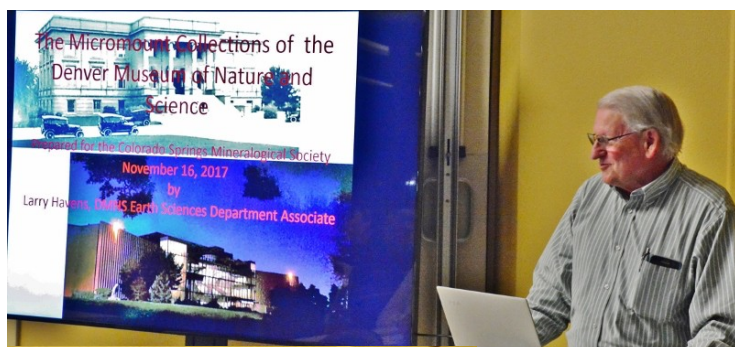
Friends of Dinosaur Ridge, Morrison, CO, periodic public lectures & events, and “Dinosaur Discovery Day” public tours on one Saturday per month, May-October. See <http://www.dinoridge.org/>.

Rocky Mountain Map Society (RMMS; Denver Public Library, Gates Room, 3rd Tuesday, 5:30 p.m.), <http://rmmaps.org/>

Rocky Mountain Micromineral Association, <http://rocky-mountain-micromineral-association.com/> (RMMA; 2nd Sunday of most months, 2 p.m., in conference room across hall from CSM Geology Museum)

Western Interior Paleontology Society (WIPS; Denver Museum of Nature & Science, 1st Monday, 7 p.m.), <http://westernpaleo.org/>.

November General Assembly Presentation & Activities



All Photos courtesy
Frank Rosenberg



At our November general meeting, Larry Havens, DMNS Earth Sciences Department Associate, gave an interesting presentation on “The Micromount Collections of the Denver Museum of Nature and Science.” Mr. Havens was introduced by Jack Thompson also a DMNS Earth Sciences Department Associate. Jack was the photographer of a number of the pictures used in the presentation. (Please see more details in the November Minutes, page 10.)

In addition, Mark Schultz has kindly taken on the position as hospitality chair. Thank you, Mark.

ROCHE MOUTONÉE: EVIDENCE OF GLACIAL MOVEMENT

Mike Nelson csrockguy@yahoo.com



Fig. 1. Sunset in paradise.

For the last few years I have taken a late summer trip to a remote (non drive-in) lake in Ontario, Canada---to slay the mighty walleye. Well, not really slay them as most of our fishing is “catch and release.” We keep a couple of small fish, under 16 inches, to coat with Shore Lunch© and throw them in the hot bacon oil for a few minutes. In another skillet, a can of potatoes is frying away and then come the eggs. The coffee is hot and black. It adds up to a day’s worth of fat and cholesterol; however, it is one of those bonding experiences that only comes around once per year. Included in this experience: catching between 300-400 fish, drinking coffee from a Thermos© jug, plugging along in an aluminum boat, belching without saying excuse me, napping in the sun while waiting for “a bite,” never hearing a vehicle, eating salami sandwiches (and belching some more), having a cool one on the deck, ambling over to the small lodge for a magnificent evening meal including fresh homemade pie (talk about more fat and calories), watching the sun set over the lake with vibrant colors (Fig. 1), hearing the loons chatter to each other, and sometimes catching a dazzling display of northern lights. The quietness of the cool nights is indescribable.

My bonding partner is a Ph.D. biologist who knows much about plants and animals living in the water. His favorite trick is to pluck a scale off a large fish, pull out his hand lens (people other than geologists carry these gadgets), count the growth rings, and give me an age for the fish. Pretty nifty. I also quiz him about the water plants, those things that back in my Kansas home are generally called “moss.” I have learned much about the aquatic world in my 16 years of bonding.



Fig. 2. Precambrian rocks surround the lake but are not as exciting as the wildlife.

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The geology in this part of the world has two classes of rocks/outcrops: 1) Precambrian igneous and metamorphic rocks (Fig. 2); 2) Quaternary glacial crud covering most of the landscape (Fig. 3). However, down in the river valley that holds the natural lake (about 26 miles long) one can observe results of glacial scouring. In fact, the river follows a channel that was “dug out” by the glacier. It is not a smooth channel as noted by the numerous rocks sticking above the water’s surface and then plunging down 60-80 feet in a short distance. The best fishing seems to be locating the “humps” where the rocks do not break the surface but where small baitfish congregate and therefore attract large northern pike (40-inch range) and walleye (up to 31 inches).



Fig. 3. The glacier not only scoured the valley but piled up cobbles and boulders into islands (above the water line) and “humps” (below the water line).

At any rate, our conversations in the boat are not always piscatorial but tend towards nature and the environment--- what would one expect from a couple of ole academic scientists. One of my contributions to the discussions has been to explain the formation of a small island in the lake. I had been studying the island every time we were near the place since the fishing was exceptional off one end. And then it hit me—from the back recesses of my mind and my junior-year course in geomorphology I realized the island was a Roche moutonnée (Fig.4).

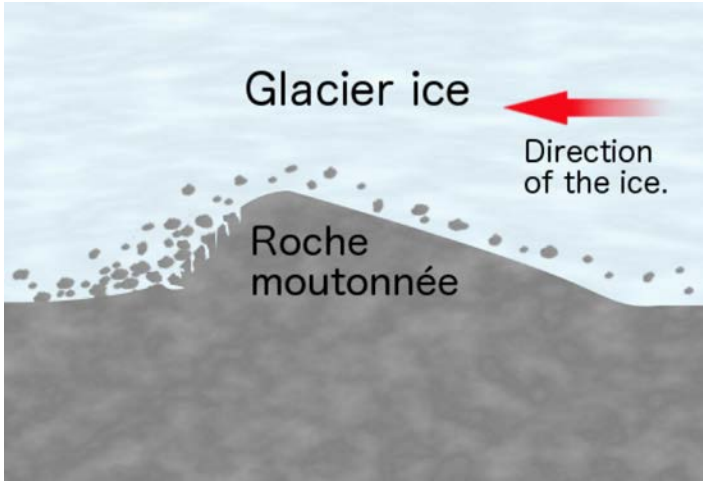


Fig. 4. Sketch of a Roche moutonnée showing direction of ice movement. Public Domain photo attributed to Jasmin Ros.

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So, my friend, which way do you think the glacier was moving? Let me explain how I know the answer (hoping my answer was at least as impressive as the scale aging of fish). Mosey the boat over by that smooth end of the island and note the smooth but striated surface—but don't bend the prop in the shallow water (Figs, 5, 6). Now, on the other end where we catch the fish and the water is deeper, note the rough surface of the island and the scattered pieces of the bed rock (Fig. 7). The glacier came from "that-a-way" (the shallow end) and smoothed off the knob and left the striations. However, as it crawled over the knob and begin to descend it plucked off pieces of the bedrock leaving behind the rough surface of the leeward side. Neat, huh? Some geologists restrict the term Roche moutonnée to large scale features and term the small features like this island "stoss and lee." Personally, I like the French term better.



Fig. 5. The smooth end of the island indicating the ice moved from right to left. See scour grooves below in Fig. 6.



Fig. 6. Scour grooves on the stoss side of the island and parallel to the movement of the ice.

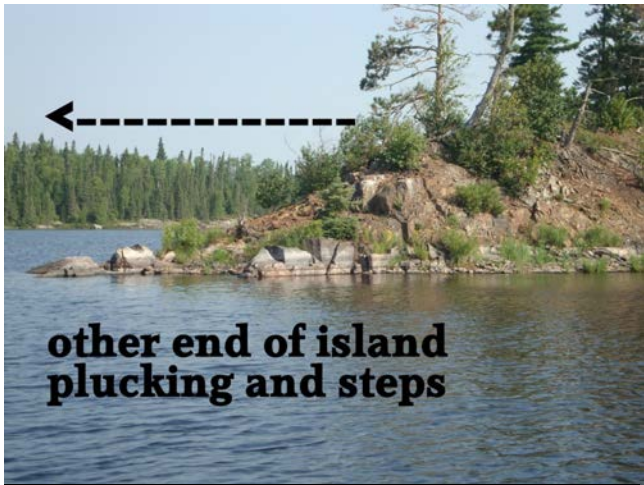


Fig. 7. The leeward side of the island with the deep water off the end.

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Unfortunately, that was about the extent of exciting geology around the lake. We did observe smaller lakes, kettle basins created by large hunks of ice breaking off the main glacier and then melting (Fig. 8).



Fig. 8. Motoring up a “stream” draining a kettle.

I would have liked him to have observed the Matterhorn, an erosional glacial feature, as I did on a full moon night in Switzerland. However, I suppose that would have started him on his stories about spending a summer cruising up the Volga River in the USSR studying plankton, or perhaps relaying information about flying (as a pilot) his research crew up to Hudson Bay (and seeing two wolverines as a bonus).

I cannot even imagine where I would be today were it not for that handful of friends who have given me a heart full of joy. Let's face it, friends make life a lot more fun. Charles R. Swindoll



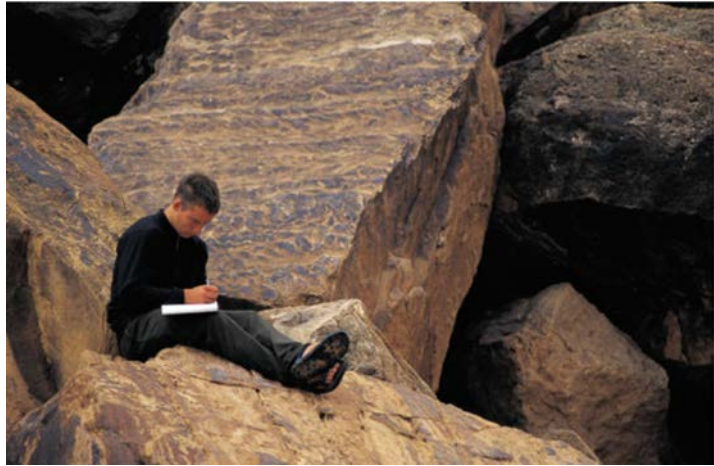
Something will have gone out of us as a people if we ever let the remaining wilderness be destroyed ... We simply need that wild country available to us, even if we never do more than drive to its edge and look in. Wallace Stegner

NONFICTION WRITING CLASS:

ROCKS, MINERALS, FOSSILS

Learn to write for the club newsletter

The Western Museum of Mining and Industry invites you to join our 5th annual Winter Writer's Class. Are you ready to take your writing to the next level? We provide an intimate, inclusive program in a remarkable setting. This workshop combines superb instruction with unparalleled resources and is ideally suited for the public, teen writers, and especially beginners.



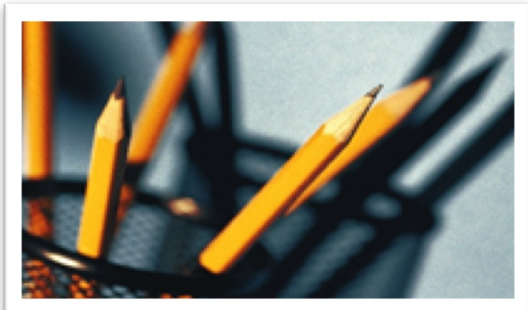
Immerse yourself in our intense one-day winter writing class designed for those who want to learn more about writing and publishing. Writing about nature, science, history and other non-fiction subjects offers exciting opportunities to be published. Although this class is open to the public, we will use examples from our hobby and writing for the club newsletter. Magazines, newspapers, bloggers, clubs, and schools are looking for articles to share with their audience, and this class can teach YOU how to PUBLISH. This class is sponsored by a grant from the Colorado Springs Mineralogical Society and the Lake George Gem and Mineral Club.

Class highlights

- Work with a published author who will teach the class
- Learn about creative nonfiction, nature writing, science writing, history writing and how science poetry unleashes creativity
- Discover powerful research methods
- Identify and develop story ideas
- Learn potent craft tips
- Practice how to outline and structure stories
- Work with photos for your articles
- Understand the role of an editor in the publication process
- Discuss publication issues

A certificate will be awarded upon completion of the class. All other course materials will be provided including a morning reception. A writer's resource kit CD will be available for purchase for \$10 to continue the training beyond the session at the mining museum.

The writing class will take place at the Western Museum of Mining and Industry, 225 North Gate Blvd., Colorado Springs, CO 80921. You must register for this class at 719-488-0880. The course fee is \$35 for adults and \$7 for students (21 and under). WMMI members receive \$5 off adult fee. **Class date:** January 27, 2018. **Class time:** 9: 30 am to 12:30 pm.



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PEBBLE PUPS CORNER



CSMS Pebble Pups & Junior Group

The Junior Group & Pebble Pups meet at the Senior Center every third Thursday at 5:30 PM until 6:15 PM or so. We only meet during the academic year, and we include January. So, it is Sept through May.

Special announcements and field trips are noted on our blog:

<http://pebblepups.blogspot.com>

and through the CSMS website:

<http://www.csms1936.com>

PEBBLE PUP ANNOUNCEMENTS

STEVEN VEATCH will be going to his wife's home for the holidays and will miss the December meeting. Betty Merchant will lead the December Pebble Pup meeting.

FAMILY GEOLOGY DAY JAN 6, 2018, 10 am to 3 pm at the Western Museum of Mining and Industry. Enjoy helping run the Pebble Pup table for a two-hour shift or the entire time. Explore the museum. This is a very fun time for everyone. Email Steven Veatch if you can help at steven.veatch@gmail.com. Shifts are 2 hours, 3 hours, or all day,

FIELD TRIP: Morrison Museum of Natural History and the Colorado School of Mines Geology Museum. **January 13, 2018**. We will tour the Morrison Museum and look at the dinosaurs and fossils. There is a fee for admission, Pups \$2, parents \$7. After that we will go to the Colorado School of Mines Geology Museum. We will make certain we see the veatchite specimen that is in a case in the lower section of the museum. There is not fee for that. Please indicate interest in this trip by emailing Steven Veatch at this email: steven.veatch@gmail.com by December 17th.

SCIENCE WRITING CLASS this year will be **January 27, 2018** at the Western Museum of Mining and Industry. This class will focus on writing articles for the club newsletter, newspapers, and magazines. There will be training on research methods, organizing a project, and how to photograph rocks, minerals, and specimens for your article. The class will be from 9:30 am and end at 12:30 pm. There will be a reduced rate for Pebble Pups to participate \$5. Minimum age is 5th grade. Call the mining museum at 719-488-0880 to register.



2017 CSMS Officers

Ernie Hanlon, President

Lisa Kinder, Vice-President

Mark Lemesany, Vice –President

Barbara Middlemist, Secretary

Ann Proctor, Treasurer

Norma Alexander, Membership Secretary

Larry Jones, Editor

Doreen Schmidt, Member-at-Large

Ariel Dickens, Member-at-Large

Jean Luce, Past President

2017 CSMS Chairpersons

Lisa Kinder, Program Coordinator,

Mike Webb, Field Trip Coordinator

TBD, Science Fair Chair

Frank & Ellie Rosenberg, Librarians

TBD, Social Committee Chair

Ann Proctor, Store Keeper

Michael Kosc, Webmaster

Mike Nelson, Federation Representative

Ernie Hanlon, Federation Representative

2017 Satellite Group Chairpersons

Crystal, Kevin Witte

Faceting, John Massie

Fossil, Jerry Suchan

Jewelry, Bill Arnson

Lapidary, Sharon, Holte

Pebble Pups, Steven Veatch

SECRETARY'S SPOT

by Sharon Holte

General Meeting Minutes for the Colorado Springs Mineralogical Society — November 16, 2017

General Meeting Minutes for the Colorado Springs Mineralogical Society ---November 16, 2017

The President, Ernie Hanlon, called the meeting to order at 7:03 p.m. This was followed by the Pledge of Allegiance.

There was one guest, Christine Muter-McAllister.

Due to illness, Barbara Middlemist has resigned as Secretary. Ernie appointed Sharon Holte as Interim Secretary. Sharon accepted the position. Additionally, we now need a secretary!

Jack Thompson introduced the speaker, Larry Havens from the Denver Museum of Nature and Science. The title of the program is "The Micro-Mount Collection of the Denver Museum of Nature & Science." This program was excellent! Especially interesting were the before pictures of some of the micro-mounts take by Jack Thompson with the very best equipment at the time and the after pictures taken with the very best equipment now. The difference and clarity were amazing! The program ran to about 8:20 p.m.

After the program, Ernie called for a social 15 minute break. Thanks to all for the goodies. Especially thank you to Mark Schultz our new Hospitality Chair. Kevin gave Sharon a lesson in making the coffee in the different coffee maker. Next month Sharon will give a lesson to Mark.

At 8:30 p.m. Ernie called the Business Meeting to order. Four door prizes were handed out.

Business Meeting:

Ernie announced that he brought in his collection of Rhodochrosite minerals from Colorado to gander at and lust after. The collection was exceptional.

The minutes of the business meeting of October 19, 2017 were passed as posted in the Pick & Pack with no additions or corrections.

Officers Reports:

Treasures Report, Secretary's Report, and Members-at-Large – nothing additional to report.

Editors Report – nothing additional to report. Several questions were asked of the Editor. Larry Jones says he normally does not need more information/articles, currently the Pick & Pack is 14 to 16 pages. Further, Larry states that he begins to put together the Pick & Pack by EOD on the 20th of each month which is when submissions are due.

Membership Secretary, Norma Rhodes, gave a brief member's report on the areas from which our members come. She also stated she has been contacting Lifetime Members, if they do not tell her, "NO", they will be included in the 2018 Membership roster.

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Frank (and Ellie) Rosenberg, our Librarians, presented the book, "Smithsonian GEM, The Definitive Visual Guide", purchased by and for the club in remembrance of Jane Eames.

Show Chair was not available to report.

Frank Rosenberg had nothing new to report on the April Fools Claim.

Sharon Holte reported that the constitution, by-laws, and additional reports are coming along. One more proofreading is needed before addition of 2012 to 2016 information to the documents.

The Field Trip report by Ernie Hanlon stated that he and Mike Webb will co-chair this position. Mike has already started working on the roster and has many trips nailed down. If anyone has any suggestions for different field trips or would like to help, please let him know. Also, we need many field trip leaders. Please consider volunteering for these positions. It really is a rather simple operation. Members will contact the field trip leader by email. The leader makes up a roster and conveys the particulars as to where to meet, when to meet, where the dig area is, what to bring for tools and for eats, and what type of vehicle is needed. We have many Field Trip Sheets from past field trips that need only a few changes to make them work for the new Field Trip. Ernie states the list of field trips is not ready for publication yet.

Satellite Group Reports:

Crystal Group – Kevin stated no more meetings until January '18. Fossil Group – Jerry stated the next meeting is on 12/05/2017. Faceting Group — Resumes meeting January 25, 2018 per John. Pebble Pups will meet at same time and place as the next General Meeting, December 21, 2107. The Jewelry Group, and Lapidary Group meet by appointment only.

Unfinished Business

Officers of the Club for 2018:

President	Sharon Holte
Vice President	Randy Hurley
Treasurer	Ann Proctor
Secretary	still desperately needed!!!!!!!!!!
Membership Secretary	Adelaide Bahr
Editor	Larry Jones
Member at Large	John Massie
Member at Large	Laurann Briding

Since no one is running against the above listed candidates, and since a quorum was present, a vote was taken, and all of the above were elected to serve on the Board in 2018.

New Business:

In December, in addition to our Christmas Potluck, the Club has a Microscope donated by Dianna Harris to auction off. It has 4, 10, 40, and 100 power. It was bought pre 1990. It will take about \$150. to recalibrate it, plus shipping. A member found a listing for this refurbished microscope on the internet for \$869. There is no case. Bidding will start at \$25.

A question from Julio Gutierrez and Cecily Harsh de Gutierrez about a very iron-heavy mass which could be a meteorite was presented to Ernie. They would like to know if we have someone who could authenticate it. A memo will be sent to Bob Falls; he is our show meteorite expert.

Also needed is the position of Assistant to the Editor. This person takes the printed Pick & Packs and the labels, attaches the labels to about 20 plus Pick & Packs, puts the tabs on the ends and one side and mails them out. Currently this position is held by Pete Giacobbe. Anyone interested in this position could contact him.

Meeting was adjourned at approximately 8:35PM.

**Important Information Regarding The Annual
Pikes Peak Gem, and Mineral, And Jewelry Show**
**Please take some time to read the following, choose an area that interests you,
and volunteer to help make this year's show the best one yet.**

**Colorado Springs Mineralogical Society
Pikes Peak Gem, Mineral, and Jewelry Show
Show Committee and Responsibilities**

Show Chairperson – Lisa Kinder

- Organize and oversee various functions necessary to promote and ensure a successful annual show.
- Monitor progress of all pre-show functions.
- Keep Assistant Show Chairperson apprised of show status.
- Coordinate activities with CSMS Executive Board and obtain their approval.
- Prepare and submit to the Executive Board a preliminary budget to plan and operate the show.
- Set vendor booth prices and determine number of dealer spaces to be sold in order of offset show costs.
- Obtain sponsors for the show.
- Obtain security for the show.
- Engage show venue, sign contract(s), and ensure payment is made or submitted to Treasurer for payments.
- Conduct a post-show critique at which time all committee show persons will present a summary report and recommendation for future shows.
- Submit post show report to Executive Board not later than 45 days after the show.
- Submit profit and loss report to Executive Board not later than 45 days after the show.

Assistant Show Chairperson – Open

- Be familiar with duties of and work with Show Chairperson to coordinate a successful show.
- Be prepared to execute duties of Show Chairperson should she/he become absent or unable to perform their duties.

Treasurer – Club Treasurer

- CSMS Treasurer will also act as the Treasurer for the Annual Show.
- Provide a change fund in small bills to the Admissions Coordinator, each day of the show.
- Pay all bills properly submitted and approved by committee members. (All bills must be submitted to the Treasurer for payment, no later than 15 days after the closing of the show.)
- Obtain all required sales tax licenses.
- Inform each dealer prior to the opening of the show what taxes and percentage for each taxing authority is to be collected.
- Collect all sales taxes at approximately 4:00 PM on the last day of the show and forward them to the proper agency.
- Work with Show Chairperson to prepare a profit and loss statement, not later than 30 days after the show. Following approval by the Executive Board, it will be read to the general membership during the first general assembly meeting thereafter.
- A copy of the profit and loss statement will be furnished to the Club Secretary.

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Secretary – Club Secretary

- CSMS Secretary will also act as the Secretary for the Annual Show.
- Keep the Show Chairperson and other committee heads aware of what is contained in incoming correspondence.
- Keep a record of action taken at all show meetings and furnish copies to each member.
- Minutes of each meeting and a copy of the profit and loss statement will be placed in the CSMS historical records.

Vendor Coordinator – Open

- Select vendors so that a balanced stock of material for lapidary, faceting, jewelry making, fossils, and minerals specimens are available.
- Forward inquiries and contracts to selected vendors to determine their interest in selling materials at the show.
- Contract the number of vendors necessary to meet revenue requirements.
- Ensure that utilities and furnishings are ordered, as requested by vendors.
- Advise vendors of the requirements to collect local sales taxes, with remittances to be made to the CSMS Treasurer, providing vendor does not have local sales tax license/account.

Exhibits Coordinator – (Bob Landgraf?)

- Encourage CSMS members, vendors, and other collectors in the community to enter a display case in any category they choose.
- Contact exhibitors and coordinate exhibit requirements (i.e., loaned show cases, electricity, security, etc.)
- Work with Logistics Coordinator to ensure proper location of exhibits, furnishing requirements (tables, chairs, exhibit cases), and electrical requirements.
- Furnish a detailed listing of exhibitors to the Logistics Coordinator and Show Chairperson no later than one week prior to the show set-up date.

Publicity Coordinator – Lisa Kinder (assistance would be appreciated)

- Design, print, and distribute marketing materials, i.e., banners, cards, posters, etc.
- Ensure that maximum publicity is given to the show through one or more of the following methods:
 - Advertisement in major and community newspapers
 - Radio programs
 - TV/billboard/transit advertising coverage
 - Promotional listings or articles in newspapers, magazines, and online sources.
 - Other methods deemed appropriate.
- Update attendee contact database from door prize slips collected from past shows.
- Contact previous show attendees via mail and/or email at least four to six weeks prior to show.
- Distribute marketing materials to affiliate clubs at least two months prior to the show.
- Contact local hobby related shops/businesses and distribute marketing materials, where permissible, at least two months prior to the show.
- Place signs on outskirts of city and outside of venue, as permissible.

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Admissions Coordinator – Open

- Prepare schedules and ensure proper coverage for ticket sales during event.
- Prepare signage stating ticket prices and multi-day discounts.
- Obtain rolls of tickets and carefully record the starting ticket and ending ticket numbers each day, for accurate accounting of daily ticket sales. Tickets of one color shall be used for one day admission and tickets of another color shall be used for two day admission. The days of multiple day admission shall be recorded on the back of the multi-day ticket and initialed by the ticket booth operator.
- Receive change funds from Treasurer. When funds over the change fund accumulate, turn monies over the Treasurer.

Logistics Coordinator – Open

- Work with Vendor and Exhibit Coordinators to develop and implement the floor plan/blueprint for vendors, exhibitors, silent auction, Pebble Pups/Earth Science Scholars, membership recruitment and other club affiliated areas.
- Oversee, as necessary, club volunteers to mark vendor booth spaces and exhibit spaces one day prior to show. Coordinate with Vendor Coordinator, Exhibit Coordinator, and venue staff to ensure vendor and exhibitor electrical and furnishing requirements and delivery.

Volunteer Coordinator – John Massie

- Work with the Chairperson, Logistics, Admissions, and Vendor coordinators to determine the number of volunteers needed.
- Recruit club members to volunteer to assist during the show. Volunteers will be needed for:
 - Marking vendor booth spaces.
 - Directing vendors in and out of building during set up and break down.
 - Directing vendors and exhibitors to their proper location on set-up day.
 - Admissions.
 - Greeting and assisting attendees during the show.
 - Security (observation only, a professional security company will be hired to provide security during set up, show days, and break down).
 - Assisting with set up and break down of club related areas.
- Serve as volunteer contact throughout show.
- Direct volunteers to proper post during set up, show days, and break down.

Silent Auction Coordinator – (Ron Yamiolkowski?)

- Obtain and setup microphone system as necessary.
- Place donated items on tables, ensuring bid sheet is provided for each item.
- Close the auction tables at a specified time and collect the successful bid cards and specimens.
- Ensure the identity of the successful bidder before releasing the items.
- Accurately record the sales and surrender the funds to the Treasurer at the end of each show day.

Kids Area Coordinator – Open

- Develop and coordinate children's age appropriate activities.
- Contact and coordinate, if available, participation of the Gold Prospectors of Colorado to provide a kid - friendly mining activity.
- Engage the assistance of Pebble Pups, as much as possible, in the execution of the activities.

Our Staff...

Larry Jones—Editor

We encourage everyone to submit articles, photos, illustrations or observations.

Share your experiences, your new finds, or simply your experience at our last field trip.

Handwrite it, type it, or email it. Format does not matter. All submissions are welcomed. The DEADLINE for items to be included in the next Pick & Pack, is the **20th of the month**

To submit an item:

For hardcopy photos or articles, mail to the address below or bring them to the General Meeting. All hardcopy photos remain the property of the submitter and will be returned. Electronic photos should be submitted at resolutions above 200 dpi in TIF, BMP, JPG, or PIC format. Articles are preferred in Word. Editor will correct font.

E-Mail to:

csmseditor@hotmail.com

Mail to:

Pick & Pack Editor
PO Box 2
Colorado Springs, CO 80901

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CSMS

T-Shirts, Badges, and Pins

are available for sale.

If you celebrated a CSMS anniversary in 2016 or 2017, you are eligible for your one year pin award

Please see Storekeeper,
Ann Proctor

Classifieds

(CONTINUED FROM PAGE 8)



Instructor bio: Steven Veatch Steven Veatch grew up in the Pikes Peak region and earned degrees at Pikes Peak Community College, Colorado State University at Pueblo, Webster University, and Emporia State University. He is a writer of essays, literary criticism, book reviews, science articles, and professional papers. He has published over 150 articles on nature and science. He has contributed chapters to these three books: *Field Trips in the Southern Rocky Mountains, USA, Field Guide 5*; *The Paleontology of the Upper Eocene Florissant Formation, Colorado*; and *The World's Greatest Gold Camp: An Intro-*

duction to the History of the Cripple Creek and Victor Mining District. He was an associate editor of *Leonardo*, a literary and art journal published by the English Department of Central New Mexico Community College for three years. He is a regular at a writer's retreat held in the woods of northern Michigan at the Interlochen College of Creative Arts.

Ben H. Elick has published nonfiction articles in newspapers and magazines, notably the international Earth science magazine *Deposits*. He recently presented a co-authored paper on Cripple Creek minerals at the New Mexico Technical Institute of Mining and Technology in Socorro and recently spoke at the Denver Gem Show. This will be his second year assisting with this writing class. He is currently a student and lives in Douglas County.



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CSMS is an incorporated nonprofit organization with these goals:

To promote and disseminate knowledge of the earth sciences, especially as they relate to mineralogy, lapidary, and fossils.

To encourage study, collection, and fashioning of minerals.

To accomplish the same through social meetings, lectures, programs, displays, shows, and field trips.

The Pick & Pack is published 10 times each year to assist and promote the above.

Joining the Colorado Springs Mineralogical Society (CSMS): Meetings are held the **third (3rd) Thursday of each month**, except January & August, **7:00 p.m.**, at Mt. Carmel Center of Excellence, 530 Communication Circle, Colorado Springs, CO 80905. (Starting (9/21/2017) **Visitors are always welcome.**

CSMS also offers Satellite Group meetings that allow more focused attention in specific areas of our members' interests. Our current Satellite Groups consist of the following: Crystal Study Group, Faceting Group, Fossil Group, Jewelry Group, Lapidary Group, Micromounts Group, and Pebble Pups/Juniors. For details on Satellite Group meetings, check out the calendars on page 2 and the web site.

Yearly dues include 10 issues of the *PICK&PACK*, all field trips (additional fees may be required on some field trips, and members are responsible for all transportation to and from), participation in all Satellite Groups (some groups may request additional fees to help cover resource costs), free admission to the *Western Museum of Mining & Industry*, a year of learning and enjoyment, plus a lifetime of memories.

Individuals—\$30, Family—\$40, Juniors—\$15, Corporate—\$100, *****Application is on the web site.

If you are interested in joining CSMS or would like more information, we encourage you to attend our next General Meeting or visit our web site: www.csms1936.com

CSMS is a Member of the following organizations:

American Federation of Mineralogical Societies (AFMS)

www.amfed.org

Rocky Mountain Federation of Mineralogical Societies (RMFMS)

www.rmfmts.org