



# *the CMS Tumbler*

February  
2018

The monthly newsletter of the **Cascade Mineralogical Society, Inc.** Kent, Washington

***Next Meeting:***  
***February 8, 2018***  
***7:00 p.m.***

**American Legion Hall**  
**25406 97th Pl S**  
**Kent, WA**

The Program will be Maps and Map Reading  
by Bob Pattie

It will include a discussion on types of maps  
such as Township, Quadrangle grid, GPS  
readings, also maps on land ownership,  
informational, and recreational, with the  
emphasis on rock collecting. He will have  
sample maps to review.

This information should help you be better  
prepare for field trips and maybe help you find  
the collecting sites easier. This information is  
also helpful for hiking and exploring the  
outdoors.

The Show & Tell Theme is Mineraloids.  
See the article in the November Tumbler for  
what are mineraloids.  
[https://www.cascademineralsociety.org/  
wp/november-2017-issue-tumbler/](https://www.cascademineralsociety.org/wp/november-2017-issue-tumbler/)



***This month remember  
to wish a***

***Happy Birthday to  
Peter Williams on February 18,***

***and also remember***

***to wish a***

***Happy Anniversary to  
Angie & Brian Bayer  
on February 8 (6 years)***



The club Show Committee & Board meetings  
(6:30 & 7:00 pm respectively) will be February 5 at  
Wendy's, 505 E Smith St., Kent.

This publication is an official bulletin of the Cascade Mineralogical Society Inc. (CMS).

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Tips, suggestions, recipes and experiments printed in this newsletter are the experiences and/or opinions of the individuals submitting them. We are not responsible for their authenticity, safety, or reliability. Caution and safety should always be practiced when trying out any new idea.

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*Rich Russell*  
14431 SE 254th St.  
Kent, WA 98042

*Keith Alan Morgan, Editor*

Postal, or Email, Exchange  
Bulletins are welcome.  
Email preferred.  
morgangraphix@yahoo.com

**2018 Elected Officers**

<u>Title &amp; Name</u>	<u>Email Address</u>
<b>President Kat Koch</b>	president@cascademineralogicalsociety.org
<b>Vice President Diana Horsfall</b>	
<b>Treasurer Richard Russell</b>	richrul@yahoo.com
<b>Secretary Pete Williams</b>	
<b>Director Roger Pullen</b>	
<b>Director Roger Danneman</b>	
<b>Past President Bob Pattie</b>	
<b>Show Chairman Mark Hohn</b>	showchair@cascademineralogicalsociety.org

**2018 Committee Chairs**

<b>Cascade Show Mark Hohn</b>	showchair@cascademineralogicalsociety.org
<b>Cascade Show Co-Chair Kat Koch</b>	president@cascademineralogicalsociety.org
<b>Cascade Show Treasurer Pete Williams</b>	
<b>Club Historian</b>	
<b>Donations Kat Koch</b>	president@cascademineralogicalsociety.org
<b>Federation Representative Michael Blanton</b>	mblanton41@hotmail.com
<b>Federation Representative Kat Koch</b>	president@cascademineralogicalsociety.org
<b>Field Trip Roger Danneman</b>	
<b>Health &amp; Welfare Bev Williams</b>	
<b>Library Bob Pattie</b>	
<b>Membership Mark Hohn</b>	showchair@cascademineralogicalsociety.org
<b>Mineral Council Bob Pattie</b>	
<b>Mineral Council Jacquie Pattie</b>	
<b>Newsletter - Tumbler Editor Keith Alan Morgan</b>	morgangraphix@yahoo.com
<b>Open Shop Instructors Bob Pattie</b>	
<b>Public Relations Kat Koch</b>	president@cascademineralogicalsociety.org
<b>Refreshment Angie Bayer</b>	
<b>Raffle/Display Roger Pullen</b>	
<b>Shop Operations Bob Pattie</b>	
<b>Show &amp; Tell Michael Blanton</b>	mblanton41@hotmail.com
<b>Webmaster Mark Hohn</b>	showchair@cascademineralogicalsociety.org

**2018 Show Committee Chairs**

<b>Cascade Show Silent Auction Michael Blanton</b>	mblanton41@hotmail.com
<b>Cascade Show Raffle Donations Michael Blanton</b>	mblanton41@hotmail.com
<b>Cascade Show Demonstrators Richard Russell</b>	richrul@yahoo.com

2018 CMS Dues are \$30 per year per family

Pay online, by mail, or at our meetings.

*Mailing Address: Richard Russell*

*14431 SE 254th St.*

*Kent, WA 98042*

You can pay your dues via credit card! We now accept all cards through our website, or at the meeting. You can renew your membership, or enroll as a new member, and pay your dues all in one shot online. You will find it under the "Membership" tab on our website <http://www.cascademineralogicalsociety.org>

The object of the Society shall be to stimulate interest in the study of the earth sciences, lapidary arts and related subjects.

This Society is affiliated with the *American Federation of Mineralogical Societies*; the *Northwest Federation of Mineralogical Societies*; and the *Washington State Mineral Council*.

Every member of the club should be receiving a copy of the Northwest Newsletter. If you are not receiving a copy contact Mike Blanton

To get information to the Tumbler via the Internet send it to [morgangraphix@yahoo.com](mailto:morgangraphix@yahoo.com) Please put Tumbler and subject in the Subject Line. The deadline is the 20th of each month.

The Cascade Mineralogical Society Facebook page is <https://www.facebook.com/CasMinSoc/>

The Cascade Gem & Mineral Show Facebook page is <https://www.facebook.com/cascadegemandmineralshow/>



February



SUN	MON	TUE	WED	THUR	FRI	SAT
				1	2	3
4	5 Show Meeting 6:30 PM Board 7 PM 	6	7	8 General Meeting 7 PM 	9	10
11	12	13	14	15	16	17
18	19	20 Lapidary Shop	21	22	23	24 Lapidary Shop
25	26	27	28			

Lapidary Class Hours:.....Closed until further notice  
 Lapidary Shop Hours:.....3rd Tuesday..... 4:00 pm to 8:00 pm or by appointment  
 Lapidary Shop Hours:.....4th Saturday..... by appointment only (call a few days ahead to set time)

CMS Board Meeting:.....Monday, February 5.....7:00 pm to 8:00 pm  
 CMS General Meeting:.....2nd Thursday.....7:00 pm to 9:00 pm  
 CMS Show Committee Meeting:....Monday, February 5.....6:30 pm to 7:00 pm

More [Field Trip](#) info can be found on Page 7      More [Show](#) info can be found on Page 8

### Field Trip Fashion

by KAM



The Tumbler has received One-Time Rights to publish this cartoon

**CMS Board Meeting Minutes January 8, 2018**



by Pete Williams, 2018 Secretary

*Members Attending*

*President Kat Koch*

*Treasurer Rich Russell*

*Federation Mike Blanton*

*Director Roger Pullen*

*Vice President Diana Horsfall*

*Secretary Pete Williams*

*Show Chair Mark Hohn*

*Director Roger Daneman*

Meeting called to order at 7:03

NFMS annual dues will be paid this month. For 2017, the CMS financial statement showed income of \$5171 and expenses of \$4610. This is much better than the loss we have been showing the last couple of years.

There is a bill in the state legislature to provide wheelchair, disability and handicap access to wilderness areas.

There were 72 vendors invited to the CMS 2018 show and 15 email addresses bounced back. An effort to find valid addresses will begin. There will be show flyers available at the general meeting for members to hand out to advertise the show. Mike will assume the role of handling donations for the raffle, silent auctions, etc. Rich will coordinate demonstrations. There is a section on the website for members to log in and share photos.

Kat submitted an article, cartoon, website, and newsletter for competition at the NFMS annual show. Kat will not be at the February Board or General meeting. There was a discussion on shortening the auctions at the picnic and Christmas party. A proposal will be discussed at the next meeting. The storage unit was vacated on December 26 with remaining items being moved to Mark's house. Thanks to Roger D., Rich, and Mark for the move.

There was a decision to hold the show committee meeting 30 minutes before the general meeting. The next show committee meeting will be February 5 at Wendy's in Kent followed by the Board meeting at 7:00.

Meeting adjourned at 8:33

**A Note From The President's Desk...**

By Kat Koch, 2018 CMS President

Our Cascade Gem and Mineral Show is fast approaching. It's approximately 7 months until show time! At our general meeting, when the Board was getting ready to put a deposit on the venue, almost 100% of the attending membership said they would volunteer to help with the show. Well now is the time to step up. There are still a lot of positions that need volunteers so you can pretty much have a pick of what you would like to help out with. We need everyone's input and ideas. Our first all-hands-on-deck show committee meeting is on February 5th at 6:30 to 7 pm, at Wendy's, 505 E Smith St., Kent. Please plan on attending the Show Committee Meeting! The Board meeting follows the Show meeting and everyone is welcome to stay or not.

I will not be at our February Board and General meetings as Mike and I are heading to the Tucson Gem Show. We will be gone about 3 weeks as we are driving and planning on stopping to hunt for rocks along the way. We will also be looking to purchase items for ourselves plus 2 or 3 very nice items for our Show raffle.

The Club ended 2017 in very good financial shape. We have made great strides in balancing our budget plus having the funds for the show venue deposit. I want to thank everyone that has purchased items at our auctions throughout the year and bought the excess club machinery and rocks. The auctions are very important to the club as annual membership dues alone doesn't cover our expenses.

I am very excited when looking ahead at 2018. Our club is steadily growing, our 2018 projected income and expenses are in balance and we have resumed our annual Rock & Gem Show. Thank you to everyone that has contributed their time and efforts to making our Club a success.

**Refreshment Volunteer Found!**

Angie is our new Refreshment Chairman as of our January 2018 meeting.

You can help her out by bringing something to snack on or drink to the meetings.

**130,000-Year-Old Americans?** by Jim Brace-Thompson

If you thought 14,000-year-old Americans were amazing, how about 130,000 years? As reported in the journal Nature, that's the age of a mastodon unearthed by a backhoe during a San Diego road construction project in 1992. According to Daniel Fisher of the University of Michigan, the mastodon bears evidence of having been butchered, suggesting that humans reached the New World more than 100,000 years earlier than even the wildest of earlier speculations. True? Or wild speculation? Stay tuned!

from Rockhound Rambling, 6/17

Saudi Arabia imports sand from around the world. The reason why a desert country imports sand is that desert sand is bad for construction projects.

**CMS General Meeting Minutes January 11, 2018**



by Pete Williams, 2018 Secretary

Meeting called to order at 7:09

Minutes were approved as written.

**Treasurer's Report:** Accepting 2018 dues and can now take credit cards. A detailed financial report was provided.

**President's Report:** The items in the storage unit was moved to Mark's house on December 26. Rich, Roger D. and Mark moved all the items. Kat submitted an article, cartoon, website, and newsletter for the NFMS annual competition.

**Webmaster's Report:** We ended the year with 46 family memberships. The website has been getting 500 views per month.

**Field Trip Report:** Roger Daneman will be leading the field trips along with Dennis Bachelor from the Puyallup Club with support from Tony.

**Mineral Council:** Bill 1349 was presented at the legislature for access to wilderness areas for the handicapped. Also, a discussion was held on combining Fish and Game with the various other similar agencies, but there is no bill yet.

**Show Committee:** So far 5 vendors and 11 booths have been sold for the show. Show committee meeting will be starting in February at 6:30 before the Board meeting at 7:00 at Wendy's in Kent. Promotion is the biggest activity needed now. Rich will be working on demonstrations. If you know of anyone who would like to demonstrate at the show or would be interested yourself contact Rich or Mark. The boy scouts have been contacted to help out in return for supporting geology badges.

**New Business:** The raffle is in need of donations. Donations can be other than rocks too. Plants was one item that was mentioned.

**Program:** Tumbling demonstration by Mike, Mark, and Kat for both rotary and vibrating tumblers.

Meeting adjourned at 8:00 followed by the show and tell and the raffle.

**Seeking "Lapidary of the Month" Articles for Rock & Gem Magazine** by Jim Brace-Thompson

Rock & Gem magazine is the officially endorsed hobby magazine of the American Federation of Mineralogical Societies. In other words, it's our magazine! Not only does it contain articles of immediate interest each and every month, it welcomes contributions by each and every one of us to better inform our fellow practitioners in our fun hobby. R&G Managing Editor Lynn Varon notes that one especially popular feature is the "Lapidary of the Month" article submitted by people to highlight some new technique or novel lapidary art that they've mastered and would like to share with their fellow rockhounds. However, the supply of entries for this monthly feature has been drying up in recent months, and Lynn welcomes new articles to keep this feature lively and relevant.

The guidelines are simple:

- 1) Write a 500-word step-by-step description of how you crafted a particular lapidary project and save it as a document file.
- 2) Take at least one sharp, close-up, color digital photo of the finished project. (Use high resolution: 300 dpi at 4 inches by 5 inches, minimum.)
- 3) Attach your document file and digital photo (.tif or .jpg) to an e-mail and send it to editor@rockngem.com with the subject line "Lapidary of the Month"
- 4) E-mail the editor or call (972) 448-4626 with any questions. Lynn is happy to provide guidance! For an example, see page 8 of the September issue of Rock & Gem, where the Lapidary-of-the-Month article describes how to make drawer pulls and knobs for kitchen cabinets decorated with agate cabs. Let's all help keep our own hobby magazine lively and relevant with projects and techniques that should prove of interest to all of us!

from T-Town Rockhound, 11/17

**Hints on Mineral Cleaning**

Quartz Crystals - Red and brown stains on quartz crystals can be removed by soaking in a concentrated solution of oxalic acid. Black stains may be due to manganese.

Hanksite can be cleaned with mineral oil.

Fluorite can be cleaned with a little hydrochloric acid (HCL); the acid will corrode limestone so don't overdo it. Bathe your specimen and rinse it in water after words.

Barite can be cleaned in HCL; it will loosen clay and iron.

Water Soluble Minerals - use alcohol.

Borax Minerals - use mineral oil for preserving from hydration changes.

Calcite matrix can be removed by placing specimen in vinegar, or acetic acid.

Silver can be cleaned with a weak solution of HCL.

Carbon Minerals - try Clorox full strength. If this does not work try a weak solution of oxalic acid.

Pyrite & Marcasite - these sulfide minerals can be made bright by soaking overnight in a solution of oxalic acid, using two ounces of oxalic to a quart of water; or soaking for a half hour in HCL.

Selenite Crystals may be cleaned by washing very gently in water to which detergent has been added.

Algae and Lichens can be removed from specimens with dilute of ammonia solution.

via The Quarry, 11/16; via The Rockcollector, 10/16; from South Bay Lapidary's Agatizer, 6/15

## 2018 Cascade Gem and Mineral Show Progress by Mark Hohn, 2018 Show Chair

We will be holding our first Show Committee meeting on February 5th 2018 at Wendy's at 505 E Smith, Kent, WA 6:30 PM. We will meet prior to the monthly board meeting. If you are interested in helping organize and plan the show please attend. We will have a list of items/positions to fill and get completed so we put on a successful show.

As of today, we have had 8 vendors register and purchase a total of 17 booths. We have sold over 50% of our inside booths. We still have good booths available so encourage any vendors you know to sign up soon.

Committed Vendors for our show:

*Maple Tree Lapidary*  
*The Worlds Fossils and Minerals*  
*R&T Crystals*  
*Addis-sea Gemsparkley*  
*Grand Products Co., Ltd.*  
*Tipps Gems*  
*Rare Earth Studios*  
*Candi's Jewelry and Gifts*

The current Show page can be found at: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>  
 If you know of potential vendors you can direct them to our show page for detail an registration information.

The Show page is updated as vendors register so you can see the location of vendors in the facility. Vendors are announced on the show Facebook page <https://www.facebook.com/cascadegemandmineralshow/> The Facebook page is a good place to keep updated with news and vendor announcements prior to the show. Please like so you can stay informed.

If you have any questions feel free to contact Kat or I, our contact information is below.

Thanks.

Details:

Date of show: September 22-23, 2018

Setup will be on Friday September 21, 2018.

Venue: Green River College Student Union Building.

The facility is a new building with huge windows and plenty of light.

Current needs:

We are gathering a list for volunteers. You can sign up on the website at: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>

This page also has the show layout floor plan.

I would like to find someone to help with the social media and show promotion. If you have any experience in this area please let me know.

Demonstrations: We are reserving space for demonstration during the show. If you or someone you know might be interested in doing a demonstration session please contact Rich. [richru1@yahoo.com](mailto:richru1@yahoo.com)

Kids area: Rodger and June have volunteered to work on the kids program area for the show. If you want to help with this task please reach out to Roger or June. [june.d.murff@boeing.com](mailto:june.d.murff@boeing.com)

How to keep up to date on our progress.

Facebook:

Cascade Gem and Mineral Show page: <https://www.facebook.com/cascadegemandmineralshow/>

CMS Facebook Page: <https://www.facebook.com/CasMinSoc/>

Our Website: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>

Thanks for reading this far and hope you are as excited as we are for this show. It will be a great way to connect to our community and add new members.

Mark Hohn CMS Show Chair 253-332-3736 [showchair@cascademineralogicalsociety.org](mailto:showchair@cascademineralogicalsociety.org)

Kat Koch CMS Co-Chair President [KatKoch@cascademineralogicalsociety.org](mailto:KatKoch@cascademineralogicalsociety.org)

## The Mask of Zorro in the Dinosaur World by Jim Brace-Thompson

They used to say that dinosaur artists had free reign in crafting colors and patterns on dinosaurs because, after all, color doesn't fossilize. Again, they USED to say that! Many fossil finds are being re-examined with increasingly sophisticated techniques, and some of these have indeed found indications of color pigments, particularly in feathered dinosaurs. The latest analysis, reported in the October 27 issue of USA Today, shows a 126-million-year-old, 3-foot-long, feathered dinosaur called *Sinosauropteryx* from China that sported distinctive color patterns across the body along with a bandit-like mask across the eyes. In present-day animals, such bands help hide eyes from would-be predators and prey.

from Rockhound Rambling, 11-12/17

## Field Trips

The club or clubs sponsoring the field trips are shown in italics. When known I have listed a phone number and contact person for each sponsoring club below the listed trips. If you are not a member of the sponsoring club, you should phone and ask permission to go on their field trip.

Information from the Washington State Mineral Council webpage (<http://www.mineralcouncil.org>).

**February 17**     *Darrington Rock Club - Walker Valley* - Meet at the Big Lake Store at 9:00 am - Geodes & Agates - Bring hard rock tools

### **Safety - Pre-Plan To Save Lives** by Mark Nelson, EMT, Safety Chairman

Back in the “Good Old Days” men and women were tough! My pioneer ancestors walked west across the plains pulling hand carts with their meager possessions. What were the hazards? One cousin fell out of a wagon and it ran over him. Not unexpected. My father recalled that, at age 18, there was a lot of fuzzy steam pipe insulation on his Navy ship that crumbled when touched. Was there a hazard? No one said so, but the injury his lungs sustained caused his death when he should have enjoyed his retirement. I remember when the use of safety glasses was unheard of, except for the welders in my trade. Now things in industry are geared to recognize common hazards and to pre-plan for emergencies.

As executives of mineral clubs we have to do the same. We need to pre-plan our activities as if a catastrophic accident was going to occur right in front of us - BECAUSE IT WILL! This is going to take the commitment of the club’s leadership as well as the willingness to go to newer club members who have expertise and ask them to join the Safety Committee.

Think of it like this: You are a field trip leader and have just lead your group up a winding road in a remote area of the Owens Valley in Eastern California. There are ammonites to be found among the shale deposits! One of your experienced members gets out of his car, looking with anticipation at the pile of shale, and immediately falls, gashing his head, lacerating his arm and complaining of extreme pain at his rapidly-swelling knee. Whatever happens next happens - the person bleeds to death or survives - and you and your other club executives gather and do a post-trip evaluation. What could we have done to prevent this accident? How could we have treated the injuries? What will we do different the NEXT time we come back to this location?

Now you are developing a Pre-Plan!

Developing a Pre-Plan is simple! It is an outline of what your club leadership will do before and when an accident affects one of your club members - but before it happens! How you respond to these emergencies will determine whether and how quickly the club member recovers. Moreover, a Pre-Plan will PREVENT emergencies from occurring!

A Pre-Plan should be developed for each building where a club meets, and for each of the club’s field trip locations. It should contain these elements:

First Aid Kit - identify location to members and note members particularly trained to use it.

Fire Extinguishers - identify location and do annual demonstrations of the proper way to use them.

Emergency Exits - identify for meeting and workshop buildings.

Law Enforcement - identify and distribute phone numbers for Law Enforcement - in addition to 911.

Emergency Medical Clinic - share with members the name, address and phone number for the closest ER - who will transport the injured, what will happen to that person’s passengers?

Hazard Identification and avoidance - site specific - (for buildings and field trips)

Hazards Communicated to members.

Personal Protective Equipment (PPE) for the activity identified, communicated and required to be used.

Unsafe Conditions - how members can report an unsafe condition.

I encourage every club to form a Safety Committee whose job it is to develop a pre-plan for emergencies - at our meeting locations, our workshops and our field trips.

via Breccia, 4/14; from CFMS newsletter, 4/14

### **Move Over, Clovis - There’s a New Point in Town!** by Jim Brace-Thompson

When did the Americas first become occupied by humans? Archaeologists have long come down on the side of the “Clovis people” who left behind thin spear points dated at 13,000 years toward the end of the last Ice Ages when an ice-free corridor opened between Siberia and Alaska. This supposedly allowed for humans (and other animals) to make a transit into the Americas. However, that didn’t fit with a village site way down south in Chile dated at 14,000 years ago, predating the opening of that ice-free corridor. A new theory emerged that migrants may have boated or kayaked along the coasts of Asia and North America, but there was little direct evidence of such a migratory path. Now, per a report in the journal Science, “Western Stemmed points” that have long been known up-and-down the coasts of Asia, North America and South America have recently been found at a site in Oregon that may date back to over 14,000 years. These short, stubby points may become the “new” Clovis points for a new theory on just when - and how - the Americas were first populated.

from Rockhound Rambling, 6/17



# Shows



***February 10 & 11:*** Saturday 9 am - 5 pm; Sunday 9 am - 4 pm  
**Whidbey Island Gem Club, 53rd Annual Sweetheart of Gems Show**  
 Oak Harbor Senior Center  
 51 SE. Jerome Street  
 Oak Harbor, WA

***February 23 - 25:*** Friday - Sunday 9:30 am - 5:30 pm  
**Oregon Agate and Mineral Society, OAMS Gem and Mineral Show**  
 OMSI  
 1945 SE Water Avenue  
 Portland, Oregon



## Leaverite by Kinney Polve

I think we all know, what I'm talking about,  
 The rocks we brought home, but we should have threw out.  
 What was the cause, was it maybe the light,  
 Was it some distraction, or just poor eyesight?



Sometimes we don't know, how they get to our house,  
 I really don't know, but I blame my spouse.  
 It must be her fault, that we brought them all home,  
 Because I won't pick them up, I'd leave them alone.



What is it about them, what did we see,  
 Was it the color, or a pattern maybe?  
 When I'm there collecting, I pick up the best,  
 Because rocks are so heavy, I leave all the rest.



It had to be someone else, it couldn't be me,  
 I wouldn't pick them up, I wouldn't you see.  
 When you get back home, does this happen to you,  
 The rocks you brought back, don't have to same view?



Where did nice ones go, you picked up on the trail,  
 Where did they go, I never can tell.  
 Did something happen, what could it be,  
 Is somebody playing, a trick on me?

It isn't a trick, it's just Leaverite,  
 You need to know, how to identify it right.  
 I know there's a reason, it changes this way,  
 It depends on the light, and the weather that day.



There are many factors, which come into play,  
 There may be more, I really can't say.  
 If this doesn't help you, I will beg your pardon,  
 Just throw them all out, into your rock garden.

