



the CMS Tumbler

June
2018

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

Next Meeting:
June 14, 2018
7:00 p.m.

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

The Program is on the current Hawaiian volcanic eruption. The USGS and HVO have put out a video on the current eruption of Halema'uma'u and the eruption history of Kilauea.

The Show & Tell Theme is volcanic (igneous) rocks in your collection.

Magma erupts from volcanoes, the lava cools and forms rocks. Obsidian, pumice, rhyolite, tuff, scoria and basalt are just a few samples of igneous rocks.



*This month remember
to wish a
Happy Birthday to
Leonard Bahr on June 7,
Charles Benedict on June 10,
Carolyn Mackey on June 24,
Margaret Squires on June 27,
Brenda Haworth on June 29,
Dick Morgan on June 29,
Lloyd "JR" Ruegg on June 29*



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Website: www.cascademineralogicalsociety.org
Club Facebook: www.facebook.com/CasMinSoc/
Show Facebook: www.facebook.com/cascadegemandmineralshow
Instagram: www.instagram.com/cascadegemandmineralshow/

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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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Email preferred.
greenrockdraggin@yahoo.com

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Cascade Show Demonstrators Richard Russell	253-736-3693	richru1@yahoo.com

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Show & Tell Michael Blanton	425-271-8757	mblanton41@hotmail.com
Webmaster Mark Hohn	253-332-3736	showchair@cascademineralogicalsociety.org

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 in person or by telephone at (425) 271-8757 or by computer at mblanton41@hotmail.com

To get information to the Tumbler via the Internet send it to greenrockdraggin@yahoo.com Please put Tumbler and subject in the Subject Line. The deadline is the 20th of each month.


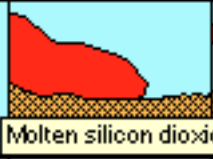
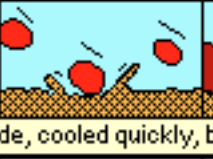




The Cascade Mineralogical Society Facebook page is <https://www.facebook.com/CasMinSoc/>

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



June



SUN	MON	TUE	WED	THUR	FRI	SAT
	 Molten silicon dioxide, cooled quickly, becomes obsidian!				<i>Puyallup Show</i> 1	<i>Puyallup Show</i> 2
<i>Puyallup Show</i> 3	4	5	6	7	8	<u>CMS Trip</u> 9
10	Show Meeting 6:30 PM Board 7 PM 	12	13	General Meeting 7 PM 	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

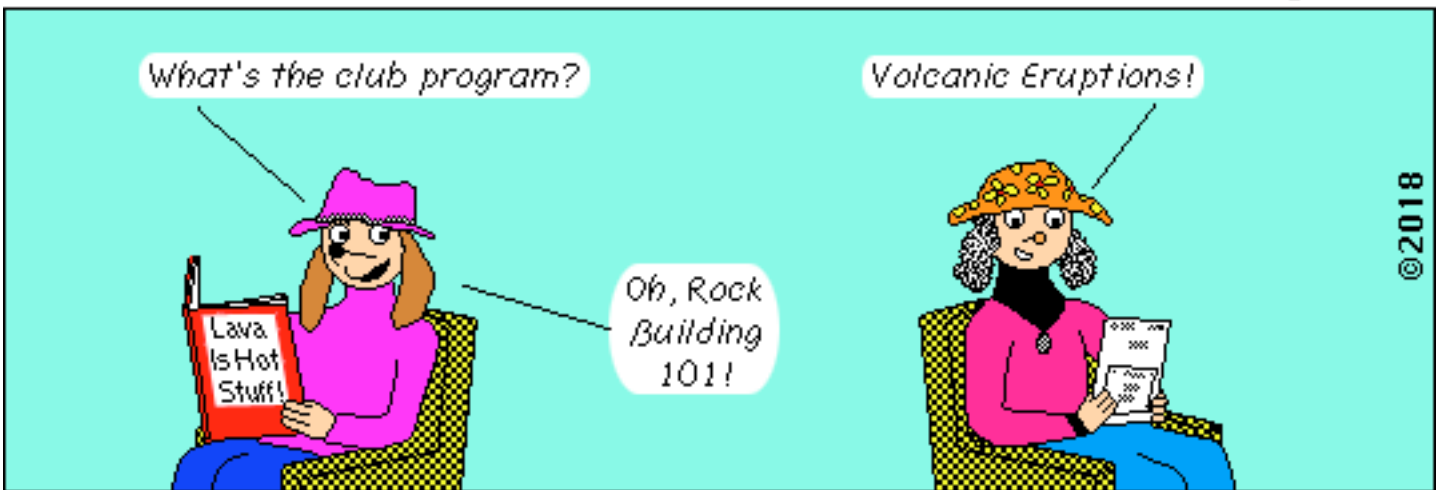
CMS Show Committee Meeting: ...Monday, June 11.....6:30 pm to 7:00 pm
 CMS Board Meeting:.....Monday, June 11.....7:00 pm to 8:00 pm
 CMS General Meeting:.....2nd Thursday.....7:00 pm to 9:00 pm

Lapidary Class Hours:.....By appointment, call to set a time & day for your lesson (425) 226-3154
 Lapidary Shop Hours:.....Most Tuesdays..... 2:00 pm to 5:00 p, call ahead (425) 226-3154
 Lapidary Shop Hours:.....3rd Saturday..... by appointment only (call a few days ahead to set time)

More Field Trip info can be found on Page 7
 More *Show* info can be found on Page 8

Mr. and Mrs. Rockhound

by KAM



CMS Board Meeting Minutes May 7, 2018



by Pete Williams, 2018 Secretary

Members Attending

President Kat Koch

Treasurer Rich Russell

Secretary Pete Williams

Federation Mike Blanton

Mineral Council Jackie Pattie

Past President Bob Pattie

Show Chair Mark Hohn

Director Roger Pullen

Director Roger Danneman Show Committee: Charles Benedict; Angie Bayer; Brian Bayer

Board Meeting: Meeting called to order at 7:41

There are 10 members who have not yet renewed 2018 dues. The website is doing well with 500-800 hits per month. The new CMS Facebook group has started with 7 members so far. Roger D. has begun posting field trip reports on the website.

Bob did a presentation at the NW Federation show in Yakima. The next Mineral Council meeting is on May 26. Ed Lehman, who has run field trips for many years, is looking for a replacement.

The NW Federation wants to promote the online newsletter and have members stop receiving the printed version. They also want club newsletters to have live links, more pictures and color, field trip reports, and reports from the club meetings. They would also like a report on deceased members to recognize them at their meetings.

The May program will be Roger Danneman discussing contents of an emergency kit, rockhounding tools, and material from the last 2 years of club field trips. Kat will present the NFMS and AFMS awards also. A program is needed for the June meeting. July's meeting will be the presentation Bob showed in Yakima.

The Washington State Fair is looking for people to do demonstrations.

Meeting adjourned at 8:37

CMS Show Meeting Minutes May 7, 2018 by Pete Williams, 2018 Secretary

Meeting called to order at 6:31

Only 1 inside booth is still available. No outside booths have sold yet so the price will be dropped to \$125 with no tables. The college is getting a count of the number of tables available. If we need additional ones, the college will coordinate the rental for us.

A final floor plan is in work. Options for table set up will be sent out to the vendors. Some vendors are asking for more flyers. We are moving on without an event promoter. More help could be used in this area. There are 3 firm demonstrators with one additional maybe at this time. The college is getting a list of potential food trucks, signs are being printed, and the Boy Scout office will be contacted to see if any area troops would like to provide community service. A sign-up sheet to work at the show will be available at the general meeting. Mark will determine when committee meetings will need to be expanded and be held on a Saturday morning. The IHOP in Covington is a likely venue for the meetings.

Young Richard's Almanac by Dick Morgan

Aging is the purpose of overcoming the ravages of time to see what is happening the next day.

Seeing that you and your friends are still alive for another day is something of a victory for all of you.

When helping someone out and being asked "What do I owe you", I tell them to "pass it on" which means that I may be an absent member to helping someone else.

Porcupine Problems by Daryl Fuller

By the way: porcupines LOVE the taste of brake fluid. They eat through anything rubber and even metal brake hoses, and often don't leave an obvious sign that they have visited. There is nothing more hair-raising than getting half-way back down a switch-back dirt or gravel road high in the mountains only to have NO brakes. I always take a roll of chicken-wire fencing with me if I am leaving my vehicle out in the back-country. I leave my vehicle surrounded (corralled??) by the wire. I have also used creosote soaked around my vehicle, as porcupines don't like the smell. This latter method is much less environmentally friendly so I haven't used it for 20 years or so.

via The Quarry, 2/18; from A.F.M.S. website

Definition of the month, Vug by Duane Flackus

A vug, vugh, or vugg is a small to medium sized cavity inside rock. The cavity is often partially filled with quartz, calcite, fine crystals, and other secondary minerals.

The word vug was introduced by Cornish tin miners... the Cornish word was vooga, which meant "cave".

from The Clackamette Gem, 4/18

CMS General Meeting Minutes May 10, 2018

by Pete Williams, 2018 Secretary

Meeting called to order at 7:09

Minutes were approved as written.

Treasurer's Report: Still accepting 2018 dues.

Tumbler Editor: Looking for more article from members. Keith received awards for the Tumbler: 2nd place in the NFMS and 7th place in the AFMS. Keith also was awarded 1st place from both the NFMS and AFMS for his cartoons that he publishes in the Tumbler.

President's Report: Kat and Mike attended the NW Federation show in Yakima where our club received numerous awards. Kat herself received an award for 1st place from the NFMS for an original article and Honorable Mention from the AFMS for the same article.

Webmaster's Report: Roger Danneman has now included field trip information on the website. Mark received a 1st place award from the NFMS for the website and 4th place from the AFMS.

Field Trip Report: The next club field trip is May 19 to Greenwater.

Federation Report: The Federation is interested in a report any time a club member passes away. The meeting in Yakima was very long. They covered realigning the endowment fund to the new laws as the long-time manager of the fund passed away. Schwab now manages the fund. Another topic was reimbursing judges which was turned down. Another topic was how to use the proceeds from the endowment fund. Last year dues were reduced by \$1. This will not be renewed this year. One idea was to make a donation to Central Washington University's geology department.

Mineral Council: Thirteen percent of the responses to the Teanaway Community Forest survey was from rockhounds. Bob Pattie received an award for Rockhound of the Year from the AFMS.

Program: Roger Danneman gave a presentation on a safety kit, rockhounding tools, and material collected at various Washington locations over the last 2 years.

Meeting adjourned at 8:28 followed by the raffle.

A Note From The President's Desk... by Kat Koch, 2018 CMS President

Mike and I attended the April Northwest Regional Show in Yakima. I was so proud of our club when they handed out the NFMS and AFMS awards. If you attended our May general meeting you are already aware of these awards.

So just in case you have not heard, our club won the following:

AFMS Rockhound of the Year - Bob Pattie

AFMS 4th Place Website Award - Mark Hohn

NFMS 1st Place Website Award - Mark Hohn (2nd year in a row)

AFMS 7th Place Small Bulletin - Keith Morgan

plus received the AFMS Top 10 Pin

NFMS 2nd Place Small Bulletin - Keith Morgan

AFMS 1st Place Drawn Feature - Keith Morgan

plus received the AFMS Top 10 Pin

NFMS 1st Place Drawn Feature - Keith Morgan

AFMS Honorable Mention Adult Article - Kat Koch

NFMS 1st Place Adult Article - Kat Koch

Congratulations to everyone that won plus an additional thank you to all our members that volunteer their time to make our Club a success.

Remember to volunteer for our show!!!! Contact Mark or Kat.

Display Cases For CMS Rock And Gem Show In September by Roger Danneman

Anyone interested in displaying their collection or part of their collection at the CMS Rock and Gem show in September or having questions concerning a display, should contact Roger.Danneman@Q.com (425-228-8781).

The Display cases are the regional cases, the size with the slanted top viewing window. Outside Dimensions are 42"x24". Inside dimensions are 40"x21" with a height of 10" in the back, slanting down to 6" in the front. They are locking cases with a fluorescent tube in the front and another in the back. Both lights are mounted inside toward the top, so light shines down. Setup will be after 4 PM on Friday September 21.

We encourage our youth members to show off their rock and mineral collection. With the youth we would like all their rocks and minerals identified. From there they can be as creative as they want. More information will be sent on request.

Molten rock below ground is called magma, above ground it's called lava.

2018 Cascade Gem and Mineral Show June Newsletter Update by Mark Hohn

Our next show committee meeting will be before the board meeting on June 11th, 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. Show committee meeting starts at 6:30 with the board meeting after, you are welcome to attend one or both meetings. If you are interested in helping organize and plan the show please attend. I am looking for another time and location we can separate our show meetings from the board meeting. I am looking for suggested times that would work for everyone. I have discovered that Saturday morning might not work as all the restaurants wont reserve space as this is their busiest time. Still looking for options. As we get closer to the show we will probably move to meeting twice a month.

As of today, we have had 18 vendors register and purchase a total of 35 booths.

Committed Vendors for our show:

<i>Maple Tree Lapidary</i>	<i>The Worlds Fossils and Minerals</i>	<i>R&T Crystals</i>	<i>Addis-sea Gemsparkley</i>
<i>Grand Products Co., Ltd.</i>	<i>Tipps Gems</i>	<i>Rare Earth Studios</i>	<i>Candi's Jewelry and Gifts</i>
<i>The Chiming Rock</i>	<i>Gem Nest</i>	<i>Turquoise Jim</i>	<i>Stone Styles</i>
<i>Mineral Endeavors</i>	<i>Cascade Scepters</i>	<i>Peace of the Earth Jewelry</i>	<i>Enisa's Jewelry</i>
			<i>US Bead Warehouse</i>

Donations Needed

We will be giving every kid that comes to the show. If you have small polished small rocks and would like to donate that would be appreciated. We will also have a rock spinning wheel where kids can win a rock and we will be having our silent auction during the show. If you have items, you would be willing to donate for these activities or as a raffle item please let Angie Bayer know as she is acting as the Rock Wrangle and tracking the rock needed to have a successful show and she can gather or coordinate the delivery of your donated items.

We still need volunteers. Below is a list of volunteers that have agreed to assist and I really appreciate their support. I have also listed several areas we still could use some help in organizing and pulling the show together.

Show Chairman Co-Chairs: Mark Hohn & Kat Koch
 Show Committee Secretary/Treasurer Pete Williams
 Facilities & Show Set-Up And Dismantle Manager Charles Benedict
 Facilities Manager Mark Hohn
 Vendor Manager Kat Koch
 Display Cases & Visual Manager Roger Danneman
 Demonstrator Manager Rich Russell
 Silent Auction & Club Sales Manager Mike Blanton
 Youth Area Committee Manager Roger Pullen / June Murff
 Website/Promotions Manager Mark Hohn
 Door Prize And Scholarship Raffle Manager Need Help
 Parking & Signage Manager Need Help
 Community Out-Reach Manager Mark Hohn
 Rock Wrangler Angie Bayer
 Kids Spinning Wheel Brian Bayer

We cannot have too many volunteers! If you want to assist in any area above reach out to myself, Kat or the person listed above for the area you're interested in. We will have signup sheets at the rest of our meeting leading up to the show. Some of these positions would be working the entrance table to welcome guests and hand out door prize tickets to track attendance, helping with the silent auction, manage our raffle table and club booth and other tasks like that.

The current Show page can be found at: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>

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/cascadegemandmineralsshow/> 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.

Details:

Date of show: September 22-23, 2018

Setup will be on Friday September 21, 2018.

Venue: Green River College Student Union Building.

Mark Hohn CMS Show Chair 253-332-3736 showchair@cascademineralogicalsociety.org

Kat Koch CMS Co-Chair President cascademineralogicalsociety.org

Laze

As lava enters the sea it creates a dense white plume called "laze" (short for "lava haze") - a hazardous plume of hydrochloric acid and steam with fine glass particles.

from USGS Twitter, 5/22/18

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>).

June 9

Marysville Rock Club - Wynoochee River Montesano - Meet at 1st Gas & Motel at 9:00 - Orbicular Jasper
Ed Lehman wsmced@hotmail.com h# (425) 334-6282 c# (425) 760-2786

June 17

Marysville Rock Club - Saddle Mountain, Mattawa - W Mattawa Lepricon Market 9:00 am - Petrified Wood, maybe Opal - Bring digging & hard rock tools
Ed Lehman wsmced@hotmail.com h# (425) 334-6282 c# (425) 760-2786

June 21-24

All Rockhounds Pow Wow - Madras, Oregon - Meet at the Jefferson Co. Fair Ground, Trips at 8:00 am - Agate, Jasper, Thundereggs, Petrified Wood - Bring digging & hard rock tools
Larry Vess vessel3755@gmail.com or (253)473-3908

CMS June 2018 Field Trip by Roger Danneman

June 9th 2018 - Government Meadows in Upper Greenwater

We are planning to go up to Government Meadows in the upper Greenwater area. I know this is not the regular third Saturday of the month trip, but this is again a joint venture with the Puyallup Valley Club and it sounds like Tony will be joining us with his expertise. I heard him say "You can dig anywhere up there and find good stuff". So I'm anxious to see if that's true.

Meet at 8:45 at the Enumclaw Ranger Station and group leaves promptly at 9:00. Mostly Dig tools, but bring hard rock tools just in case.

On the May trip we were able to drive up to 4000 ft elevation without encountering snow on the roads. So I think by June 9th it will be pretty clear up there.

June 16th 2018 - If there is interest in another trip for the regular weekend (third Saturday of the month), I'd be willing to lead a trip over the mountains to Red Top for agate material. Otherwise, we might save that for the July trip. Little Naches over Chinook Pass for thunder eggs and lily pad jasper is also an option. Feedback to Roger.Danneman@Q.com

Attention All Our Youth Members by Kat Koch

The AFMS has a badge program (Future Rockhounds of America) for the kids. There are 20 badges they can earn while pursuing their rock, fossil and/or mineral hobby. I will have a booklet with badges that can be earned and their requirements at our next general meeting.

I would like all our youngsters to put in a display case at our Rock and Gem Show in September. Some ideas for a case are: their own collection, or a story about their favorite rock, fossil or mineral, or a field trip experience and what they found, which rocks remind them of their favorite Pokéman character, etc. Help your child to be creative. At the meetings our members can help identify your child's rocks. We will award 1st, 2nd and 3rd place ribbons on kids cases. If they complete the badge requirement they will also earn the "Showmanship" badge.

The case competition will be broken up into 5 age categories. Your age as of September 15, 2018 determines the age category.

Age Group 1: ages up to 5 years

Age Group 2: ages 6 through 8

Age Group 3: ages 9 through 11

Age Group 4: ages 12 through 15

Age Group 5: ages 16 through 18.

Showmanship Badge #6

6.1 Techniques for effective displays.

6.2 Holding a workshop on display ideas.

6.3 Observing and evaluating displays.

*6.4 *Making your own public/case display* (required to earn this badge).*

6.5 Entering competition.

In order to earn the above badge you must complete 3 items of the 5 items listed.

If you arrive a little early at our June General Meeting or at break I can answer any questions you may have. You can also email me at talkingkat2@yahoo.com. If need be, at the July General Meeting, we can meet at 6:30 pm to discuss the case displays.

I sincerely hope all our youth members put together a case display for our Show. I understand your child maybe a little shy about doing this but accomplishing a display case will build their confidence and encourage their interest in rocks. Plus they earn a badge for their efforts!

Please let me, Kat Koch, or Roger Danneman know that your child intends to enter a display case and their age category.



Shows

June 1 - 3: Friday, Saturday & Sunday 10 pm - 5 pm

Puyallup Valley Gem & Mineral Club

Annual Show "Got Rocks Again"

Swiss Park

9205 198th Ave. E.

Puyallup, WA

June 15 - 17: Friday & Saturday 10 am - 5 pm; Sunday 10 am - 4 pm

Lower Umpqua Gem & Lapidary Society

Treasures from the Earth Rock and Gem Show

Reedsport Community Building

415 Winchester Avenue

Reedsport Oregon



Using GIS Or Mobile Mapping Apps by Ruth Hidalgo

There are numerous apps for mobile phones that will allow you track your routes and favorite collecting spots. You need not have a separate GPS unit to create maps anymore. These apps work even when you do not have cell service.

My app of choice is Avenza. I started using an iPhone app called Terra Nova well over 15 years ago, and it has evolved into Avenza. I have used the data stored in that app to make several National Environmental Policy Act (NEPA) comments. Basically, this is how it works.

You download the app.

You select the maps you want to download. Some are free, some you have to purchase. There are now thousands of maps to choose from. You can even download a geological map that will show you where you are and what the geology is around you. I prefer the BLM maps and USGS Topo maps for trail tracking. You have to have internet service to download a map, but not to use the app once the map is downloaded.

When in the field, you open the app and you will be able to see where you are on the map.

You can then choose to record your track or trail as you drive or hike. Save the trail and the next time you go out in the field, just follow the trail on your map and you will know how to get back to that collecting spot. Gone are the days of trying to remember what fork you took or wondering if you're on the right path. You can then export that information to Google Earth or other GIS programs. You can even email it to your friends.

You can also choose to place markers on the map showing collecting areas and use that data the same way.

You can insert a GPS coordinate a friend gave you and see where it is on the map relative to where you are.

You can use the data to easily create maps to attach to your formal NEPA comments. This gives the agency the exact trail you use and shows it to them on their own map. Alternatively, you can export the data to Google Earth or other GIS mapping programs and create maps to attach from there. I used a trail exported to Google Earth to create a map I attached to a formal comment on the West Mojave (WEMO) Travel Management Plan, where the Bureau of Land Management had not included a road that rockhounds use in their inventory. In this way they could see that the road clearly existed, as you could see it on the satellite image in the map I attached.

Nowadays, making formal comments is much easier, thanks to apps like Avenza. If you are not taking advantage of this technology to make your formal comments, give a try. If you are not speaking up because you think it is too complicated, try using this kind of technology. You may find it is easier and less time consuming than you think.

via The Quarry, 3/18; via MWF Newsletter, 3/18; via the Minnesota Mineral Club's Rock Rustler News; from the American Lands Access Association Newsletter, 10-12/17