



the CMS Tumbler

May
2018

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

Next Meeting:
May 10, 2018
7:00 p.m.

American Legion Hall
25406 97th Pl S
Kent, WA

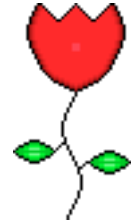
The Program will be Roger Danneman, Field Trip Guide, showing us what he has found on our field trips the past 2 years. He will also go over what basic rockhounding tools we need.

Then we will have a short segment on packing an emergency preparedness bag for the car.

The Show & Tell Theme is show us what you have collected rockhounding.



*This month remember
to wish a
Happy Birthday to
Brian Bayer on May 2,
Patricia Morgan on May 16,
Jennifer Russell on May 16,
Faye Lengenfelder on May 18*



Connect with us!

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

CMS Club Address
Rich Russell
14431 SE 254th St.
Kent, WA 98042

Editor's Mailing Address:
Keith Alan Morgan, Editor
3802 W. Tapps Dr. E.
Bonney Lake, WA 98391
Telephone (253) 862-8201

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

2018 Elected Officers

<u>Title & Name</u>	<u>Home Phone</u>	<u>Email Address</u>
President Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Vice President Diana Horsfall	206-818-9507	dianahorsfall@comcast.net
Treasurer Richard Russell	253-736-3693	richru1@yahoo.com
Secretary Pete Williams	425-228-5063	petewill02@gmail.com
Director Roger Pullen	206-387-3214	june.d.murff@boeing.com
Director Roger Danneman	425-228-8781	roger.danneman@q.com
Past President Bob Pattie	425-226-3154	bobpattie@comcast.net
Show Chairman Mark Hohn	253-332-3736	showchair@cascademineralogicalsociety.org
Federation Representative Michael Blanton	425-271-8757	mblanton41@hotmail.com
Federation Representative Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Mineral Council Bob Pattie	425-226-3154	bobpattie@comcast.net
Mineral Council Jacquie Pattie	425-226-3154	dianahorsfall@comcast.net

2018 Show Committee Chairs

Cascade Show Mark Hohn	253-332-3736	showchair@cascademineralogicalsociety.org
Cascade Show Co-Chair Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Cascade Show Treasurer Pete Williams	425-228-5063	petewill02@gmail.com
Cascade Show Silent Auction Michael Blanton	425-271-8757	mblanton41@hotmail.com
Cascade Show Raffle Donations Michael Blanton	425-271-8757	mblanton41@hotmail.com
Cascade Show Demonstrators Richard Russell	253-736-3693	richru1@yahoo.com

2018 Committee Chairs

Club Historian		
Donations Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Field Trip Roger Danneman	425-228-8781	roger.danneman@q.com
Health & Welfare Bev Williams	425-228-5063	britbev1957@outlook.com
Library Bob Pattie	425-226-3154	bobpattie@comcast.net
Membership Mark Hohn	253-332-3736	showchair@cascademineralogicalsociety.org
Newsletter - Tumbler Editor Keith Alan Morgan	253-862-8201	greenrockdraggin@yahoo.com
Open Shop Instructors Bob Pattie	425-226-3154	bobpattie@comcast.net
Public Relations Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Refreshment Angie Bayer	253-631-3840	angiemc61@msn.net
Raffle/Display Roger Pullen	206-387-3214	june.d.murff@boeing.com
Shop Operations Bob Pattie	425-226-3154	bobpattie@comcast.net
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/>



May



SUN	MON	TUE	WED	THUR	FRI	SAT
		1	2	3	4	5 <i>Everett Show</i>
6 <i>Everett Show</i>	7 Show Meeting 6:30 PM Board 7 PM 	8	9	10 General Meeting 7 PM 	11	12
13	14	15	16	17	18	19 <u>Greenwater Trip</u>
20	21	22	23	24	25	26
27	28	29	30	31		

CMS Show Committee Meeting: ...Monday, May 7.....6:30 pm to 7:00 pm
 CMS Board Meeting:.....Monday, May 7.....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



©2018

CMS Board Meeting Minutes April 9, 2018



by Pete Williams, 2018 Secretary

Members Attending

President Kat Koch

Secretary Pete Williams

Mineral Council Jackie Pattie

Show Chair Mark Hohn

Show Facilities: Charles Benedict

Meeting called to order at 7:41

Treasurer Rich Russell

Federation Mike Blanton

Past President Bob Pattie

Director Roger Pullen

The Board decided not to participate in the Puyallup Rock Show this year due to focusing on our own show. Roger Daneman is now putting 2018 field trips on the club website. The next club field trip is April 21 to Saddle Mountain.

The next general meeting program will be rock bingo. There will be no raffle or show and tell. There will be no required fee, but donations will be accepted.

Meeting adjourned at 8:12.

CMS Show Meeting Minutes April 9, 2018

by Pete Williams, 2018 Secretary

Meeting called to order at 6:35

Having trouble contacting the advertising person from the East KingCo. Show. We may need to look into getting another person for promotion. Mark will send another email to the vendors asking if they will be bringing a camper and how many chairs they need. The college will allow campers.

The current position is that we will not be having club sales at the show. Charlie will be picking up all show items from Char's house. If we can get Boy Scouts to help with the show they could work in the kid's area, the auction table, help customers with large purchases, or direct people from the parking lots to the show. Pete will try to get a commitment from a scout troop. In exchange we would provide some support to their geology merit badge.

None of the exterior booths have sold yet. These could possibly be offered to other rock clubs.

The next show committee meeting will be at 6:30 on May 10 at Wendy's in Kent followed by the Board meeting.

Next Show Committee Meeting by Kat Koch

Just a reminder that our monthly Show Committee meeting will be at:

May 7th - Monday

Wendy's Restaurant, 505 E Smith St, Kent, WA 98030

Show Committee meeting @ 6:30 pm to 7:30 pm

It's important that everyone that has volunteered for the show attend these meetings. So please mark your calendar now.

This is a working meeting on various areas of the show. Also the time to ask for input from others or to request additional volunteers if you are committee chair.

We need show volunteers so please seriously consider volunteering and attending the Show Committee.

Hope to see everyone at this meeting.

Young Richard's Almanac by Dick Morgan



As a youngster in New Jersey we always considered a creek-rounded dark rock with a white band through the center to be a lucky stone, so we carried one in our pocket whenever we found one.

Volunteering is fun because of the smiles and thank you get in return. The satisfaction outweighs the thought of any time lost.

30 Years of Mr. & Mrs. Rockhound by Keith Alan Morgan

30 years??? It doesn't feel like the award winning Mr. & Mrs. Rockhound have been around for 30 years. Clearly there was an incident involving a time machine. It's the only explanation why a young guy like me can have been doing a comic strip for so long.

Kind of surprising they've lasted so long since they were just two cartoons I came up with when I guest-edited an issue of the Tumbler, but when then editor Norman Steele came back from vacation he asked if I had any more to send them to him. I managed to think up a few more jokes.

The first 200 Mr. & Mrs. Rockhound cartoons (along with over 100 other cartoons) can be found in *The KAMics Volume 1: Rockhounding Tales* on sale online at Lulu.com and Amazon.com.

CMS General Meeting Minutes April 12, 2018



by Pete Williams, 2018 Secretary

Meeting called to order at 7:07

There was an abbreviated business meeting due to the rock bingo program. There were 4 guests in attendance. The club is doing okay financially since we are no longer paying for storage. Kat recently did a presentation to children at the Daffodil Elementary School.

We rented additional space for 8 more booths for the club rock and gem show in September. We now have 17 vendors and a wait list for almost 10 more. We now have a Facebook group for paying members. Mark will approve upon request. There is now both a club and show Facebook page. We are still looking for more volunteers to put in some time at the show.

The program was rock bingo. We had a large turnout and fun was had by all. Everyone went home with something.

Meeting adjourned at 8:13.

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

In case you have not noticed, our Club member Roger Danneman has taken over as CMS Field Trip Guide. He has been working hard on setting up field trips, checking out the sites beforehand and then leading the trips. Thank you very much for taking over this very time consuming job!

At our April general meeting we had 6 volunteers offer their help wherever needed. I want to thank each of you very much for volunteering. We will have sign up sheets at the May thru August meetings for the kids table, greeting tables, raffle tickets, silent auction table and day time show security. It will take a lot of volunteers to cover all these areas so please plan on covering some of the time slots.

Contact Mark Hohn, Show Chair, to volunteer for a specific area or for wherever needed. His info is in our newsletter.

Mike and I attended the Northwest Federation - Yakima Rock and Gem Show. Our own Bob Pattie was a speaker at the show! At our May meeting I will announce the awards CMS won.

Lapidary Societies Attacked By Internet Thieves by Mark Nelson, BEAC Chair

In the past two months it has been reported to me that lapidary societies across the country are being targeted by thieves.

The thieves study the society's web site to identify the society president and treasurer and their email accounts. Then they craft an email which masks the sender's email, but lists the Sender (the society president) by name. The email is directed to the society treasurer, mentions the treasurer by name, and directs the treasurer to send money to an individual or business in a hurry.

Mark relates two examples of such scams and then lists these financial safeguards:

Be sure that a treasurer knows who is making the request for payment. In most email providers such as AOL, if you click on the name of the person sending the email an email address will appear.

Immediately question any payment to a person or business who is unfamiliar to the treasurer.

Make sure that all requests for payments are accompanied by an invoice that can be verified.

Verify that the expense requested by the email is covered by the budget and is from a known vendor (expected) or has previous specific board approval.

Have all checks signed by two of the top elected executives who should also ask these questions.

When in doubt, pick up the phone and talk to the person requesting the check.

from T-Town Rockhound, 3/17

Here Is Something To Try!!!! Putting Photos Onto Rocks by TheCrafsMan (Note: this is correct spelling ... no "t")

Supplies Needed: A stone (ideally smooth and light in color) Acrylic Polyurethane (or ModPodge Photo transfer, Liquitex Gel Medium, etc.) Laser printed image (printed on regular or specialty transfer paper. Remember to use laser printed photos as ink-jet does not work well.

This technique works even if your image is printed to regular paper. But if you go that route, you'll use the "rubbing" technique. (Gently rub paper off with finger. Wipe with soft cloth to remove tiny bits of paper & allow to dry).

Steps: Clean the surface of your stone (remove any dirt, oil, grime, etc.) Apply a layer of acrylic polyurethane (or transfer gel). Quickly apply your laser-printed design face down onto the wet surface. Using your hand or paper towels, work air bubbles out to the edges. Try to eliminate wrinkles as much as possible. Some wrinkles are okay. Let dry for a couple of hours, depending on your heat and humidity.

Once dry, apply water using a soaked sponge or paper towels. Let the water soak into the paper, until you start to see the image through the back. Carefully peel the paper away.

Optional: Apply a coat (or several) of acrylic polyurethane over the image to protect it.

via The Quarry, 4/18; via The Rock Pile, 4/18; via TRMS T-Town Rockhound, 1/18; via Ozark Earth Science Club News, 11/17; from www.instructables.com/id/Transfer-PHOTOS-to-STONE

2018 Cascade Gem and Mineral Show May Newsletter Update by Mark Hohn, CMS Show Chair

Our next show committee meeting will be before the board meeting on April 9th, 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 am thinking a Saturday morning meeting. Let me know your thoughts. As we get closer to the show we will probably move to meeting twice a month.

As of today, we have had 17 vendors register and purchase a total of 33 booths. We had one cancellation. We have sold all but four of our inside booths. We still have 7 outdoor booths under a covered area that are still available. We have rented 5 of the booths in the additional space at Green River College. I am contacting vendors on my wait list to rent the last 4 interior 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>Bohemian Minerals</i>	<i>Mineral Endeavors</i>	<i>Cascade Scepters</i>	<i>Peace of the Earth Jewelry</i>
<i>Enisa's Jewelry</i>			

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. As we get closer to the show we will schedule the actual positions and help needed during the show. We are working on scheduling sheets for you to sign up for the different positions needed during 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/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.

Details: Date of show: September 22-23, 2018.

Setup will be on Friday September 21, 2018.

Venue: Green River College Student Union Building.

Demonstrators: We are reserving space for demonstrators during the show. If you or someone you know might be interested in doing a demonstration session please contact Rich. 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

Connect with us!

Website: www.cascademineralogicalsociety.org

Club Facebook: www.facebook.com/CasMinSoc/

Show Facebook: www.facebook.com/cascadegemandmineralshow

Instagram: www.instagram.com/cascadegemandmineralshow/

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

Kat Koch CMS Co-Chair President cascademineralogicalsociety.org

Field Trips

May 12th, 2018 Marblemount - Collecting mostly talc, maybe jade. Possibly veins of nickelite (chrysoprase) in Jordan Creek on the way home. Hosted by the *Darrington Rock Club*. Tools needed - saw, digging, and hard rock tools, boots/waders for creek. At I-5 exit 232, go east on Cook Road to Sedro-Woolley to round about onto Hwy 20 East. Stay on Hwy 20 to Marblemount. Just before sharp left curve and Cascade River Rd meet at Chevron gas station before 9:00 am. Contact Ed at wsmced@hotmail.com or (425) 334-6282 for more information.

May 19th, 2018 Green Water by Mt. Rainier - Agates and Jasper. Tools needed - digging and hard rock tools. Meet 8:45 AM at Enumclaw Ranger Station, 450 Roosevelt Ave. E, Enumclaw. Group leaves promptly at 9:00. Roger Danneman (425-757-3506) will be leading this trip. Check Field Trip tab on CMS web page for updates.

What Shapes Do Crystals Form? by Kat Koch

Photo A: Cubic crystals, which resembles a box and has 6, 8 or 12 sides.

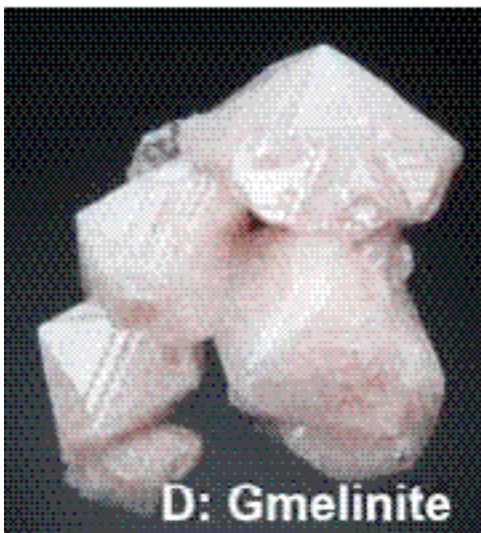
Photo B: Hexagonal have 6 sides and Trigonal crystals have 3 sides.

Photo C: Monoclinic crystals, which looks a bit like a multi-faced box.

Photo D: Orthorhombic crystals, which may look like 2 pyramids stuck together.

Photo E: Tetragonal crystals, which resemble a cube, but have 1 elongated side.

Photo F: Triclinic crystals, which may not be symmetrical.

**A New Way to Produce Optically Pure Garnets** by Jim Brace-Thompson

Science magazine has reported new high-pressure, high-temperature techniques to synthetically create garnets that are both exceptionally hard and clear. By changing the chemical composition on different batches, they also created a variety of lovely colors, include emerald green and hot pink. According to the report, "the high-quality garnet samples owe their exceptional properties to being nanopolycrystalline." Easy for scientists to say! Their hope is that the new techniques they've developed will one day aid in development of a new generation of ceramics for use in optical devices.

from Rockhound Rambling, 2/17



Shows

May 5 & 6: Saturday 9 am - 5 pm; Sunday 10 am - 4 pm
Umpqua Gem & Mineral Club, Carnival of Rocks 48th Annual Show
 Douglas County Fairgrounds
 I-5 Exit 123
 Roseburg, Oregon

May 5 & 6: Saturday 10 am - 6 pm; Sunday 10 am - 5 pm
Everett Rock and Gem Club, 65th Annual Show
 Everett Community College
 Walt Price Student Fitness Center
 2206 Tower Street, Everett WA

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



The Looking-Glass World Of "Contronyms" Words That Are Their Own Antonyms

Left can mean either remaining or departed. If the gentlemen have withdrawn to the drawing room for after-dinner cigars, who's left? (The gentlemen have left and the ladies are left.)

Dust, along with the next two words, is a noun turned into a verb meaning either to add or to remove the thing in question. Only the context will tell you which it is. When you dust are you applying dust or removing it? It depends whether you're dusting the crops or the furniture.

Stone is another verb to use with caution. You can stone some peaches, but please don't stone your neighbor (even if he says he likes to get stoned).

Off means 'deactivated,' as in "to turn off," but also 'activated,' as in "The alarm went off."

Weather can mean 'to withstand or come safely through,' as in "The company weathered the recession," or it can mean 'to be worn away': "The rock was weathered."

Out of means "outside" or "inside": "I hardly get out of the house because I work out of my home." The contronym (also spelled "contranym") : goes by many names, including "autoantonym," "antagonym," "enantiodrome," "self-antonym," "antilogy" and "Janus word".

The folks at Daily Writing Tips have rounded up even more

via The Council Reporter, 9/16; from Boulder Buster, 9/16

What Is "Frac Sand"?

This special sand is one of the keys to producing oil and natural gas from tight shale formations <https://geology.com/articles/frac-sand/> - A Crush-Resistant Sand for Oil and Gas Wells "Frac sand" is a high-purity quartz sand with very durable and very round grains. It is a crush-resistant material produced for use by the petroleum industry. It is used in the hydraulic fracturing process (known as "fracking") to produce petroleum fluids, such as oil, natural gas and natural gas liquids from rock units that lack adequate pore space for these fluids to flow to a well. Most frac sand is a natural material made from high-purity sandstone. An alternative product is ceramic beads made from sintered bauxite or small metal beads made from aluminum.

The demand for frac sand has exploded in the past several years as thousands of oil and natural gas wells are being stimulated using the hydraulic fracturing process. (See the production chart.) A hydraulic fracturing job on one well can require a few thousand tons of sand. This surge of specialized drilling has created a billion-dollar frac sand industry in a very short time. Between 2005 and 2015, the amount of frac sand used by the oil and gas industry has increased dramatically.

via Golden Spike News, 1/18; from Leaverite News, 1/18