

The CMS Tumbler

**May
2017**

This publication is an official bulletin of the Cascade Mineralogical Society Inc. (CMS).
(Previously known as the Boeing Employees' Mineralogical Society (BEMS))

Next Meeting:
May 11, 2017
7:00 p.m.

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

The Program will be
Rich Russell on knapping.

The Show & Tell Theme is a
celebration of spring, show off your
most colorful rocks or minerals.

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 16



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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.

When on field trips this organization uses CB Channel 7.

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

CMS Club Address
Rich Russell
1 4431 SE 254th St.
Kent, WA 98042

Keith Alan Morgan, Editor

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

2017 Elected Officers

Title	Name	E-mail
President	Kat Koch	talkingkat2@yahoo.com
Vice President	Diana Horsfall	
Treasurer	Richard Russell	
Secretary	Pete Williams	
Director	Roger Pullen	
Director	Mark Hohn	
Past President	Bob Pattie	

2017 Committee Chairs

Title	Name	E-mail
Cascade Show	Vacant	
Club Historian	Vacant	
Donations	Kat Koch	talkingkat2@yahoo.com
Federation Representative #1	Michael Blanton	
Federation Representative #2	Kat Koch	talkingkat2@yahoo.com
Field Trip Guide	Tony Johnson	
Health & Welfare	Bev Williams	
Library	Bob Pattie	
Membership	Mark Hohn	
Mineral Council	Bob Pattie	
Newsletter - Tumbler Editor	Keith Alan Morgan	morgangraphix@yahoo.com
Open Shop Instructors	Bob Pattie	
Public Relations	Kat Koch	talkingkat2@yahoo.com
Raffle	Stanley Loreen	
Refreshment	Jacquie Pattie	
Shop Operations	Bob Pattie	
Show & Tell Meeting Setup	Mike Blanton	
Webmaster	Mark Hohn	

2017 CMS Dues are \$30. Send or deliver dues to:

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

(or pay him at the meeting)

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.

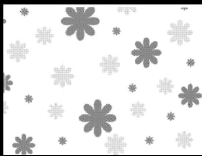



This Society is affiliated with the American Federation of Mineralogical Societies; the Northwest Federation of Mineralogical Societies; and the Washington State Mineral Council.

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 Please put Tumbler and subject in the Subject Line. The deadline is the 20th of each month.

The CMS external website is <http://www.cascademineralogicalsociety.org>

May

Sun	Mon	Tue	Wed	Thur	Fri	Sat
	1	2	3	4	5	6
7	8 Board Meeting 7 pm	9	10	11 General Meeting 7 pm	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Lapidary Shop Hours:.....3rd Tuesday..... 10:30 am to 4:00 pm

Lapidary Shop Hours:.....4th Saturday..... 11:00 am to 5:00 pm

CMS Board Meeting:.....Monday before the General Meeting.....7:00 pm to 8:00 pm

CMS General Meeting:.....2nd Thursday.....7:00 pm to 9:00 pm

Mr. and Mrs. Rockhound

by KAM



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

CMS Board Meeting Minutes April 10, 2017

by Pete Williams, 2017 Secretary

*Members Attending**President Kat Koch**Secretary Pete Williams**Past President Bob Pattie**Director Roger Pullen**Treasurer Rich Russell**Federation Mike Blanton**Director Mark Hohn*

Meeting called to order at 7:05.

For the upcoming club picnic, Bob will call Bob Walhberg to try to reserve the Lake Wilderness arboretum for the 2nd weekend in August. Rich will check on reserving a room for the Christmas dinner and meeting.

Due to the threat of snow over the passes, there was no quorum at the last Mineral Council meeting. The 2017 field trips are likely final. There is still an issue on what the BLM is doing in Utah regarding casual rockhounding. In many states, including Washington, there is a misunderstanding as to what casual rockhounding is. The next CMS field trip is in April 15 for carnelian at Salmon Creek.

For the 2018 CMS rock and gem show, most vendors want the last weekend in Sept. Mark will request a cost estimate from Green River CC for that weekend. Club participation at the Gem Faire was canceled due to insufficient volunteers. The Puyallup club participated and sold raffle tickets to their June show. There will be 5 quality prizes that generated \$600 in sales the first day of the Gem Faire.

For the 1st Quarter 2017 club volunteer of the year award the board unanimously voted for Keith Morgan. For the upcoming NFMS show the Board approved donating 1 bucket of rocks for the silent auction and 1 high end piece for the raffle. Also decided was to sell surplus club equipment and other rocks in addition to buckets of rocks at the Puyallup show. The Board will meet on April 17 at the storage unit and at Bob's house on April 24 to assess items to sell. The Board and all members are requested to begin tumbling rocks to hand out to children at the Puyallup Fair in September. This year they are looking for rocks 1 to 2 inches in size.

Board goals for 2017 will be to increase membership and improve monthly programs by having more speakers.

The next meeting will be May 8 at Panera Bread in Kent.

Meeting adjourned at 8:31.

Young Richard's Almanac by Dick Morgan

Listening to the news today leads to the fact that the death of common sense is longer doubted.

When you think you know it all, it's time to start studying again.

Goldstone

Goldstone is a type of glass made with copper or copper salts in the presence of a reducing flame. Under normal oxidative conditions, copper ions meld to into the silica to produce transparent bluish-green glass; when the reduced Goldstone melt cools, the copper remains in atomic isolation and precipitates into small crystalline clusters.

The most common form of Goldstone gives the illusion of being reddish-brown, though in fact that color comes from the copper crystals and glass it-self is colorless. Some Goldstone variants have an intensely colored glass matrix...usually blue or violet, more rarely green.

The manufacturing process of Goldstone was discovered in the seventeenth century Venice by the Miotti family, which was granted an exclusive license by the Doge.

via The Whittier Rockhounder, 1/16; from Hill and Gully Paydirt, 12/15

Andamooka Opal

The Andamooka Opal is a famous opal which was presented to Queen Elizabeth II in 1954 on the occasion of her first visit to South Australia. It was discovered in Andamooka, South Australia, an historic opal mining town.

The opal was cut and polished by John Altmann to a weight of 203 carats (40.6 g). It displays a magnificent array of reds, blues, and greens and was set with diamonds into an 18 karat (75%) palladium necklace.

via Golden Spike News, 1/17; from Magic Valley Gem News, 1/17

Governor Jay Inslee signed a law that allows married couples to combine the DNR sanctioned volunteer hours they work to reach the 24 hours required to get a free Discover Pass.

The next free admission day for Washington state parks is June 3rd for National Trail Days.

CMS General Meeting Minutes April 13, 2017

by Pete Williams, 2017 Secretary

Meeting called to order at 7:11.

Minutes were approved as written.

Treasurer's Report: Dues can now be paid online and credit cards are accepted both at meetings and online. Some flyers for rock shows and free magazines were available.

Shop Reports: The shop will not be open until the weather improves.

Field Trip Report: The next club field trip will be on April 15 to Salmon Creek for carnelian. Also, there will be a field trip to Saddle Mountain on April 29. Detail will be on the website. On May 20 there will be a trip to old slope in Greenwater.

Mineral Council: Bob has WSMC maps for sale for \$10.

Show Committee: The Cascade Rock and Gem Show will be on Sept 29-30, 2018, at Green River CC. A budget is being worked on.

Old Business: Our participation at the April Gem Faire was canceled due to insufficient volunteers.

New Business: Kat is setting up a class on wire wrapping. Contact her if you are interested. CMS will again participate at the Puyallup Fair in September. Volunteers will be needed to work alongside the Puyallup club.

The first quarterly volunteer of the quarter award went to Keith Morgan for his outstanding work publishing the Tumbler newsletter. Keith has been the publisher for about 20 years. All non-board members are eligible for the award.

Program: Glen Morita of the WSMC gave a presentation on finding smokey quartz crystals.

Meeting adjourned at 8:12.

Displays:

Jim Cerenzie – Epidote, grossular garnet from Denny Mountain, agate from Adna, Pyramid Creek, Thunderegg from Little Naches.

Bob Pattie – Miscellaneous Washington material.

Roger Pullen – Crystals.

Mike Blanton – Turritella agate slab.

Kat Koch – Opalized wood, clay babies, and carnelian.

Rich Morgan – Booklet from the STEM Finals, and a quartz crystal ready to wirewrap as it came out of the ground.

Leonard Bahr – Faceted gems, cristinite and synthetic quartz.

Scott Thomasson – Crystals and geode.

Blue Jade

In 2012 a 400+ kilo (880 pounds) blue jadeite boulder was pulled out of Clear Creek, CA. In 2013 another 500 pound blue was recovered in the same claim in Clear Creek. The owner of both is a commercial jade miner named Sam Gitchel. Blue jade slabs currently sell on the Internet for around \$400 a pound. What these monsters will sell for (or already have sold for) is most likely a tightly held secret.

Blue jade also comes in the form of the other jade, nephrite. It is often named Pacific Jade or Vonsen Blue Nephrite. The name Vonsen came from the blue nephrite found on the Vonsen Ranch which was one of the first nephrite jade finds found in California. The ranch owner, Magnus Vonsen, just happened to be a mineral collector and mineralogist, as well as a shrewd business man. Whether or not he had anything to do with the discovery of the blue nephrite on his ranch; I couldn't find it.

The jade found on the ranch near Petaluma, CA is said to be depleted now but there are some pieces for sale that are claimed to have come from the ranch. Now and then some is also found in Jade Cove. It appears that any blue jade is likely going to be called Vonsen Jade no matter where it comes from or rather it is nephrite or jadeite. It is just a matter of different physical and chemical characteristics.

from Agatizer, 5/16

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 (for Diane Cook) 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

A Note from the President's Desk . . .

by Kat Koch, 2017 President

May and June are very busy months for me. Mike and I are going to Hamilton, Montana for the NW Federation Show. Our club newsletter (Keith Morgan) and website (Mark Hohn) have been entered into the NW Federation contest. Also Bob Pattie has been nominated for "Rockhound of the Year." These Federation Shows are large shows and always so much fun plus you get to see rocks and gems that don't usually appear at shows in our area. This show is going to be exceptionally exciting to see if our club wins any of these entries.

Right after we get back from Montana, I have a booth at the Puyallup Rock & Gem Show.

Then hopefully, 3 days after the Puyallup Show we are off the Ventura, CA for the American Federation Show. If our club wins any of the NW Federation awards they are automatically entered into the American Federation Show contest. It would be fantastic if any of our entries make it to the American Federation Show.

I am also putting in a display case at the West Seattle Show and the Montana Show. Also entering my work in the Enumclaw County Fair and The Puyallup State Fair. Plus somewhere between now and the first weekend of June I have to do some major wire wrapping so that I have items to sell at the Puyallup Rock & Gem Show. Plan speakers for the May, June and July general meetings and start a wire wrapping class. Then to fill up my calendar further, from now to 3 days before we leave for Montana I am house/pet sitting.

Whew – I get tired just typing this up.

The Board is in the process of making arrangements to get rid of our storage locker. Our club budget can no longer meet the annual cost of this unit. We will again be selling buckets of rocks plus rock specimens and used lapidary equipment at the Puyallup Rock & Gem Show.

Our club is doing good. Our membership is at the highest it has been in many years!

It is very important that all our members spread the word about our club. We need to continuously get new members because there is always a certain number of people that don't renew each year. Our new website has been very successful in reaching out to prospective members. It gets a steady stream of inquiries. Then I commit to the Gem Fairs and the Puyallup Fair in order to further spread the word about our Kent club. Please put on your calendar to volunteer at our info booth in the month of September at the Puyallup Fair. Then the next Gem Faire is November 10th to 12th.

Don't forget you can pay your dues via credit card!! We now accept all cards.

We are well into 2017 so make sure your dues are paid for this year. It is even easier now as you can also pay your dues by credit card from 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.

Looking ahead to the 2017 Washington State Fair, Puyallup. It runs the entire month of September.

The Fair receives very few entries for its Lapidary section. Therefore, they have notified us they are going to close down this category if entries do not pickup. We don't want this to happen! So plan on entering into the Fair a sample of your hobby or lapidary work. Show off your talents.

If you do anything with rocks, crystals, fossils, silversmithing, etc. there is a category for your work. No matter what you do with rocks and gems there is a category for your work. You do win prize money at every win level.

Online registration open May 2017. They have not posted the close date yet. The Fair is held for the entire month of September so entry forms probably have to be in by late July or early August.

Links for the various departments will go up through the month of May so check occasionally at this web address <http://www.thefair.com/participate/exhibit-entries>

We need members to tumble!

We are going to have an info booth the Puyallup Fair the entire month of September.

We give out several hundred polished stones to the kids.

The polished stones needs to be 1" to 1 1/2" in size.

The club can supply the rough we just need someone to tumble.

Contact me, Kat Koch, if you are willing to tumble and/or need rough.

Chromium gets its name from the Greek word "chroma" for color.

from USGS Twitter feed, 4/28/17

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.

Some trips have fees to non club members, so they can be a day member, and be covered under club insurance. The usual fee is \$.50 a day.

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

- May 13** *Ellensburg Rock Club - Saddle Mountain, Mattawa* - Meet at the W Mattawa Lepricon Market before 9:00 am - Petrified Wood, maybe Opal - Bring digging & hard rock tools
Steve Tomns (509) 607-1446
- May 20** **Cascade Mineralogical Society** - *Old Slope* - Meet at the Enumclaw Ranger Station, 450 Roosevelt Avenue E, Enumclaw. The group will leave promptly at 9 am. So don't be late. - Agates and basalt columns
Tony Johnson (253) 863-9238

Editor's Note: Backstory by Keith Alan Morgan

At the last meeting I was picked as the Volunteer of the Quarter, so I suppose I should write a little something about myself. I first edited the Tumbler back in 1988 when then editor Norman Steele went on vacation. Apparently I didn't do a horrible job, because I then edited the Tumbler whenever Norm went on vacation and I took it over when he passed away.

I'm not sure how many issues I've edited as the computer that I kept that info on is down, but I know it's over 200 issues. I'm also not sure how many comics I've done for The Tumbler for the same reason, but I would guess around 500. Who knew there were so many jokes about rockhounding?

When I started editing the newsletter was printed on a copier in Boeing Recreation, after breaking with Boeing and renaming ourselves, we started sending it to printers to print.

I was asked back in 2000 to create an email version, and as soon as I figured out how to do it and produced a working copy, all in-plant members had to get it the email version instead. (Apparently Boeing was trying to save money, but it backfired since everyone would print off the email version on Boeing's color printers and using twice as many pages as the black & white copier.)

Besides editing, I was the club librarian for a few years, served as Secretary once, sold tickets for the raffle for awhile, and was the fourth webmaster for the club. While I learned through the club how to cab, facet, and make jewelry, my preference is for fossils.



Tungsten is the metal with the highest melting point.

Only carbon, a nonmetal, has a higher melting point of all the elements.

Shows

May 6 & 7: Saturday 10 am — 6 pm; Sunday 10 am — 5 pm

Everett Rock and Gem Club, 64th Annual Show

Everett Community College

Walt Price Student Fitness Center

2206 Tower Street, Everett WA

May 6 & 7: Saturday 9 am — 5 pm; Sunday 10 am — 4 pm

Umpqua Gem & Mineral Club, Carnival of Rocks 47th Annual Show

Douglas County Fairgrounds

I-5 Exit 123

Roseburg, Oregon

May 13 & 14: Saturday 10 am - 5 pm; Sunday 10 am - 4 pm

Hatrockhounds Gem & Mineral Society

Hermiston Conference Center

415 S. Hwy. 395

Hermiston, Oregon

May 19 - 21: Friday & Saturday 10am - 6pm; Sunday 10 am — 4 pm

Bitterroot Gem and Mineral Society & NFMS, 79th Annual Gem and Mineral Show/NFMS Show

Ravalli County Fairground

First Interstate Center

100 Old Corvallis Road

Hamilton, Montana

May 20 & 21: Saturday & Sunday 10 am - 6 pm

11th Annual Seattle Mineral Market

Lake City Community Center

12531 28th Ave NE

Seattle, WA

May 27 & 28: Saturday 10 am — 6 pm; Sunday 10 am — 4:30 pm

Oregon Coast Agate Club, 54th Annual "Rockin the Coast"

National Guard Armory

541 SW Coast Hwy

Hwy 101

Newport Oregon

Internet Addresses

3-D Paper Models

https://education.usgs.gov/docs/3D_PaperModels.pdf

NFMS

<http://northwestfederation.org>