

# The CMS Tumbler

**June  
2017**

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

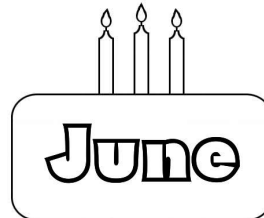
Next Meeting:  
June 8, 2017  
7:00 p.m.

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

The Program will be Dick Morgan  
showing how to chase a  
crack in a rock.

The Show & Tell Theme is  
Evaporites, crystals that  
dissolve in water or moist air.

This month remember  
to wish a  
Happy Birthday to  
Leonard Bahr on June 7  
Carlyn 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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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
President	Kat Koch
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	
Federation Representative #1	Michael Blanton	
Federation Representative #2	Kat Koch	
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	
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 in person or by telephone at (425) 271 -8757 or by computer at [mblanton41@hotmail.com](mailto:mblanton41@hotmail.com)

To get information to the Tumbler via the Internet send it to [greenrockdraggin@yahoo.com](mailto:greenrockdraggin@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>**

# June

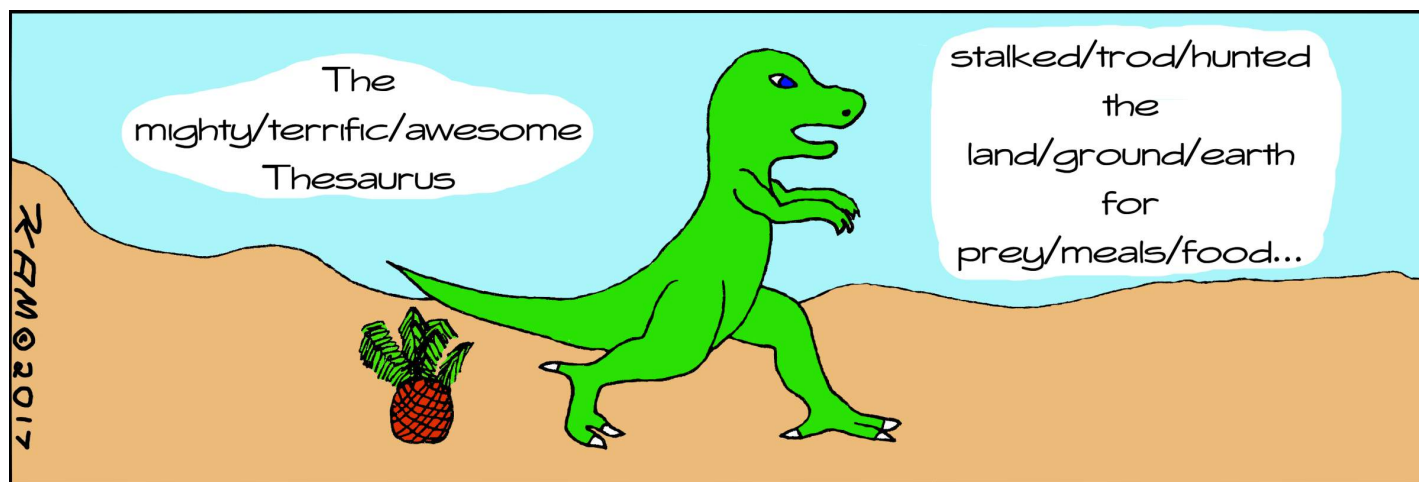
Sun	Mon	Tue	Wed	Thur	Fri	Sat
				1	2	3
4	5 Board Meeting 7 pm	6	7	8 General Meeting 7 pm	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

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



**CMS Board Meeting Minutes May 8, 2017**

by Pete Williams, 2017 Secretary

*Members Attending**President Kat Koch**Vice President Diana Horsfall**Treasurer Rich Russell**Secretary Pete Williams**Mineral Council Jackie Pattie**Federation Mike Blanton**Past President Bob Pattie**Director Roger Pullen**Director Mark Hohn*

Meeting called to order at 7:00

There is quite a bit of club surplus equipment in storage that can be sold at the upcoming Puyallup Show. Prior to the show pictures of the equipment will be sent out via email to paid club members if they wish to purchase. Anything leftover will be sold at the show.

The Mineral Council meeting is next week. One item to discuss is a bill to create more heritage lands which may limit rockhounding. The bill is unlikely to pass as congress is too busy with other bills. The next club field trip is May 20 to the Old Slope in Greenwater.

There are currently 42 members with 1 new member signing up from the web site last month. Mark now has the capability to send out things to the members mailing list. The Board decided we should have a separate mailing list for communication purposes in addition to the members list. Anyone can go to the website and sign up for field trip reminders.

A budget is still being worked out for our 2018 Cascade Rock and Gem Show. Kat is working with the West Seattle Club to compare with their budget. There are also previous South Sound Show people that are familiar with setting up a budget.

Bob has several copies of previous months Tumblers. The decision was to hand these out at various shows rather than recycling. The summer picnic meeting is tentatively scheduled for August 6. Members are requested to tumble rocks to hand out to kids at the Puyallup Fair in September. They should be at least 1 to 1.5 inches. A potential new club activity is to have a Saturday tailgate party that would be open to the public where people can sell or swap anything. It could also replace a monthly meeting. Kat requested each Board member to search for topics/speakers for the June, July, Oct, and Nov meetings.

The next meeting will be June 5 at Panera Bread in Kent.

Meeting adjourned at 8:20

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**Artistic Wire Wrapping Class** by Kat Koch

I teach artistic wire wrapping not the classic style. The wire wrapping techniques are the same for both but the styles and wire are different.

*June 10th, Saturday - 12:15 pm to 2:15 pm*

*Kent Library, 212 2nd Avenue North, Kent, WA 98032*

*This class we will learn about tools and wire. We will work with the wire and learn 3 types wraps.*

*June 17th, Saturday - 1:15 pm to 3:15 pm*

*Fairwood Library, 17009 140th Avenue SE, Renton, WA 98058*

*This class we will learn how to wrap a stone using the skills we learned in the first class.*

The fees is \$15. This covers all supplies for both classes. I DO NOT supply tools.

Presently there are 2 open spaces. If you want to attend, send me an email via the Contact Page on the website. I will confirm there is a space available and send a list of tools you need to bring. I will also provide you with a list of what I am supplying.

Looking forward to seeing everyone.

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

The Fair receives very few entries for it's 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 opens May 2017. Online registration closes 10 pm August 16. More information can be found at [https://wfaprod-](https://wfaprod-1290.kxcdn.com/_assets/808dea849c7489c5cd520ecfea14479c/StateFair_2017_Hobby_Hall_Premium_Book.pdf)

[1290.kxcdn.com/\\_assets/808dea849c7489c5cd520ecfea14479c/StateFair\\_2017\\_Hobby\\_Hall\\_Premium\\_Book.pdf](https://wfaprod-1290.kxcdn.com/_assets/808dea849c7489c5cd520ecfea14479c/StateFair_2017_Hobby_Hall_Premium_Book.pdf)

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Rainbow Bridge, Utah, was believed to be a rainbow turned to stone.

**CMS General Meeting Minutes May 11, 2017**

by Pete Williams, 2017 Secretary

Meeting called to order at 7:10. 1 guest was in attendance.

Minutes were approved as written.

**Webmasters Report:** Anyone can now go to the website and sign up to be on the field trip notification email list. Credit cards can now be used to pay for dues on the website or at a meeting.

**Treasurer's Report:** Accepting dues for those who have not yet paid.

**Shop Reports:** The shop will not be open until the weather improves. A work party may be needed to open it up.

**Field Trip Report:** The next club trip is on May 20 to Greenwater for agate and columnar basalt. It is a ½ mile walk in to the site. Tony will be leading and will leave the Enumclaw ranger station exactly at 9:00.

**Federation Report:** The upcoming show in Hamilton, Montana will include election of officers.

**Mineral Council:** The next meeting is next week where one topic will be election of officers. There is a bill in congress to create additional heritage areas. This would essentially create a pseudo wilderness area that may not allow rockhounding or would not maintain the roads rockhounds use. The bill does not appear likely to pass this year. Bob has one mineral council map book for sales.

**Health & Welfare:** Cards were provided to Leonard Bahr and Jackie Pattie.

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

**Old Business:** We are planning on vacating the storage unit due to the high cost. Surplus equipment will be sold at the Puyallup Show. Members will get first crack at buying equipment via an email shortly before the show.

**New Business:** The picnic will be August 6 at the Lake Wilderness Arboretum.

**Program:** Rich Russell gave a demonstration on knapping.

Meeting adjourned at 8:25 followed by the raffle.

**Displays:**

Michael Blanton - Various slabs.

Roger Pullen - Opal.

Bob Pattie - Peacock copper lead.

Kat Koch - Rings with a variety of stones.

Scott Thomassen - Agates, thundereggs and minerals.

Rich Morgan - Assorted rocks, quartz, pyrites, opal (Honduras, Brazil, Australia), black jade, desert rose (barium), man-made sapphire, Ellensburg blue, meteorite.

**Rock Breaking In The Field** by Dick Morgan

When you find that over sized chunk of rock that either it's too big to bring home or only part of it has what you are looking for, you ask yourself how can I solve this? Well, you can grab a sledgehammer and slam the rock, the drawback of this is that you shower the surrounding area with flying chips of material and put cracks throughout the remaining stone. The other way is to take a chisel and a four pound hammer, find a crack, place the prying end of the chisel in a crack or layering spot and tap lightly but firmly, moving the chisel in small increments along the path of the crack, or fault, tapping lightly. The sound of the chisel hitting the material will change it's pitch as the rock starts to split.

If there is no apparent crack in on the rock, there may be a tiering effect or a step like set of layers on the piece, these can be tested by placing the chisel point on the suspected fault and follow along the length of this line, you will know this is working by the sound change, from a sharp ping to a duller sound.

I like to use a fairly long chisel with about half inch wide blade to follow the rift, at first you may only get a bit of dust for your efforts because you are tapping lightly, but as you move along the expected fissure you can hear the sound change, or the break becomes noticeable, then you can hit it a little harder.

My procedure is to be prepared by protecting myself, wearing safety glasses, leather gloves, insuring the chisel is solid, and the hammer has a good handle with a solid contact face.

Although we find doing stuff like this enjoyable as we use the material collected in our own hobby pursuits, as hard as we work to get these specimens out of the ground and to where we can shape to show off their fine qualities, if it was a job they couldn't pay us enough to do it for a living. Remember at one period in this country, this is what the courts used to use to penalize prisoners.

**The Tallest of the Tall No Longer So Tall!**

What stands 29,029 feet, give or take an inch? That would be Mount Everest, and scientists may soon decide to take away that inch! Some suspect a recent spate of earthquakes in Nepal may have shrunk the world's highest mountain, and they are planning to undertake an official assessment and measurement. Deciphering the height of Mount Everest by the inch? Your tax payer dollars hard at work!

from Rockhound Rambling, 2/17



## NFMS – Bitterroot Rock and Gem Show by Kat Koch

I was very excited as Mike and I left for the NFMS – Bitterroot Rock and Gem Show in Hamilton, Montana. I was so looking forward to seeing Montana again as the last time I visited the state was in 1985.

The drive was easy, weather a little misty at times and the scenery beautiful! Having been raised in southern California I find the northwest scenery beyond compare. Google said 8.5 hours but it took us 10.5 hours as we made several stops to stretch our legs.

In Mullan, Idaho we stopped at a roadside pullout to see Elmer's Fountains. They were hand-built by local silver miner and welder Elmer Almquist. These beautiful, folk art-style water features were erected in remembrance of one of Almquist's closest friends, Arnold, that died tragically in a mining accident. He used piping and metal from the old mine on the mountain just behind the fountains. The land and fountains are still held by Elmer's descendants. It just so happened as we pulled up a family member was waiting for his brother as they were going to work on the old family homestead area up the mountain. Mike chatted with him regarding his ancestor, the fountains and the reclamation work going on on their property.



We arrived in Hamilton just at sunset. The Bitterroot Valley is a beautiful valley with the Bitterroot Range on one side and the Sapphire Mountains on the other side. The Bitterroot River meanders through town. When we arrived on Thursday the mountains on both sides were snow-covered almost to ground level. The temperature around high 40's F. On Sunday only the very highest peaks had snow and the temperature was 72 F degrees.

The sunset picture was taken near our hotel. The Bitterroot Mountains looking west.



Again the Bitterroot Mountains looking south west from our hotel.

The NFMS-Bitterroot Rock and Gem Show was held at the Ravalli Fairgrounds. The Show used 3 buildings plus an outdoor eating area. A smoked barbecue vendor plus plus a catering truck provided a good variety of food.

The Show had a nice selection of vendors and demonstrators.

There was some outstanding Montana Agate (rough or polished) for sale throughout the Show. I bought a small agate to cut. I also saw some very nice Dryhead Agate from southern Montana, found just south of Billings. These are two rocks we generally don't find a lot of at shows in western Washington.

There was a nice assortment of display cases: polished rocks and minerals of the northwest, petrified wood of the northwest, Biggs Jasper, rocks and minerals from around the world, outstanding cut and polished Montana Agates, a couple of jewelry cases, meta physical case, doll house made from rocks, clothes pins from rocks and nice sampling of cabochons.

I attended a lecture on finding sapphires in Montana. The colors to be found and how they are heat treated for color enhancement. Almost all the collecting sites are now under claim or closed to collecting. It's a hit or miss effort to collect from the few tailing piles that allow access.

There was also a lecture on the dinosaurs found in Montana and adjacent areas. They had several dinosaur skeleton replicas around the Show and someone cleaning away the dirt from an encased dinosaur bone. Very interesting to sit and watch how they recover bones from the soil/rock.

The silent auction had some quality material.

I picked up a nice piece of Mushroom Rhyolite and a cut pure white quartz crystal geode pair. Mike bought a bucket of petrified wood nodules from the Yellowstone River plus loads of other rocks and a couple of pieces of unusual petrified wood.

The turnout for the Show seemed very good. Friday was a little light in attendance but Saturday and Sunday the fairgrounds parking lot was full and people were parking on the both sides of the adjacent streets. At times there was hardly walking room in the aisles.

At the Editor's Breakfast on Sunday morning I was so proud to accept the 1st Place Award – Website on behalf of Mark Hohn, Cascade Mineralogical Society. I have an engraved wooden plaque to present to Mark at our next General Meeting.

## 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>).

**June 17** *Cascade Mineralogical Society - Greenwater* - Meet at Enumclaw Ranger Station, 450 Roosevelt Ave E, Enumclaw, Group leaves promptly at 9 am. Don't be late. - Jaspers, agates, possibly thunder eggs

**June 22-25** *All Rockhounds Pow Wow - Madras, Oregon* - Jefferson Co. Fair Ground - Trips start at 8:00 am  
Larry Vess [vessel3755@gmail.com](mailto:vessel3755@gmail.com) or (253)473-3908

*Continued from previous page*

This was an excellent show put on by a small club. There was a lot of pressure on them with this event as it was also an NFMS Show in addition to their local show. It was obvious that everyone worked extremely hard to pull this event off. Congratulations to the Bitterroot Club for a great show!!



As we headed home we decided to stop at the Cataldo Mission, Mission State Park, Couer d'Alene, Idaho. We had spotted it from the highway when driving to Montana. It's located 24 miles east of Couer d'Alene off Interstate 90.

The Cataldo Mission the oldest standing building in Idaho and the oldest Mission in the northwest. The Mission and Parish House were constructed between 1850 to 1853 by the Jesuit Missions and the Couer d'Alene and Salish tribes.

The Park Visitors Center has a 20 minute video on the history of the Mission. Then you walk up to the Mission itself. We happened upon a group of school children and was able to hear a narrator point out all the features of the building. Among many interesting points, they had very few items to decorate the Mission's interiors. They used flattened tin cans, then shaped them to hold candles and decorate the altar. Purchased fabric from the Hudson Bay Company and hand painted newspaper were used to decorate the walls. A stain made from blueberries to stain the altar bench.

It was a very peaceful place to just sit on the bench and enjoy a lovely sunny day.

Enjoyed the show and seeing all the Montana rock and minerals that aren't seen very often in western Washington. Met a lot of great people. I sure liked the peace and quiet, lack of background noise and beauty of the area. Over all it was a great mini-vacation!

## Shows

**June 2 - 4:** Friday - Sunday 10 am — 5 pm  
**Puyallup Valley Gem & Mineral Club, *Annual Show***  
Swiss Park  
9205 198th Ave. E.  
Puyallup, WA

**June 3 & 4:** Saturday 9 am — 5 pm; Sunday 10 am — 4 pm  
**North Idaho Mineral Club, *Annual Show***  
Kootenai County Fairgrounds  
4056 North Government Way  
Coeur d'Alene Idaho

**June 10 & 11:** Saturday & Sunday 10 am — 5 pm  
**Butte Mineral and Gem Club, *Annual Show***  
Butte Civic Center Annex  
1340 Harrison Avenue  
Butte Montana

**June 16 - 18:** Friday & Sunday 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

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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

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Most radioactive materials do not glow in the dark. However, some radioactive metals either glow from internal heat or else release radiation that reacts and produces visible light. Examples of radioactive metals that glow include plutonium (red from heat), radon (yellow to orange to red), and actinium (blue).

from Petrograph 6/16

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School bus yellow is officially known as chrome yellow, thanks to chromium pigment.

from USGS Twitter, 4/28/17