

# The CMS Tumbler

July  
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:  
July 13, 2017  
7:00 p.m.

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

The program will be **Tree Stories** - Specimens of petrified wood may include details that can tell about conditions under which the material was fossilized. Insects or other animals that may have attacked or used the wood as a home. Other features such as stress may also be found. Details can be examined to determine the species and structures of plants that lived millions of years ago.

The Show & Tell theme is different types of **petrified wood** from various areas of the USA.

This month remember  
to wish a

Happy Birthday to

Penny Hohn on July 12

Virginia Bird on July 18

Roger Pullen on July 30

and also remember

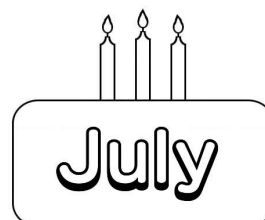
to wish a

Happy Anniversary to

Lloyd "JR" & Vicki Ruegg on July 1

Leonard & Dorothy Bahr on July 14 (54 years)

Richard & Pat Morgan on July 14 (54 years)



Except where otherwise noted, material from The Tumbler may be reprinted for non-commercial purposes, provided that the author(s) and source are acknowledged.

For commercial use, the author(s) must be contacted for permission; if no contact information is given, contact them via the editor.

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.  
morgangraphix@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](mailto: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>**

# July

Sun	Mon	Tue	Wed	Thur	Fri	Sat
★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	1
2	3 Board Meeting 7 pm	4	5	6 General Meeting 7 pm	7	8
9	10	11	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



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

**CMS Board Meeting June 4, 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 7:02

We did well at the Puyallup Rock Show selling \$830 of equipment and buckets of rocks. There was good demand for the equipment, but none of the individual rocks sold. There are still a few pieces of equipment left that Rich will sell on Craig's list. It cost \$75 for the 3 day show. We will continue to work on evacuating the storage unit.

Mark won 1st place at the NFMS show for the CMS website. Also at the show, the Federation voted to use funds from the endowment fund as a one time offset to 2018 dues. CMS and several other clubs will suggest changing the rules for awarding scholarships to those students with some connection to a club.

Bob is preparing a school presentation on petrified wood. There were 4 clubs represented at the last Mineral Council meeting. Topics discussed were possible road closures due to releasing grizzly bears into the forests and expanding heritage monument areas and the impact on rockhounding.

The Tumbler showed that Mineral Council field trips charge \$5. That is not correct. Bob will talk to Keith. Bob is preparing 2 presentations for future CMS programs. Coal mining in King County will be shown at the November meeting and map reading at a 2018 meeting.

For our 2018 show there is concern there is not enough time on Friday for vendors to set up as that cannot begin until 3:00. A number of questions were developed that Mark will provide to the school. Fundraising ideas were discussed and included: a 50/50 raffle; monthly meeting at a restaurant (they usually return 10-20%); sell gift cards to members; doing presentations to schools or scouts organizations where they donate money back to the club.

The next meeting will be July 10 at Panera Bread in Kent.

Meeting adjourned at 8:25

---

**Young Richard's Almanac** by Dick Morgan

In working with students don't act like a know it all, but explain all the facts that you use to arrive at your conclusion. This works because they understand that you are showing them your method of looking at the problem while leaving it open for them to ask questions.

---

**Rock Talk To The Children At Emerald Hills Elementary School On June 12, 2017** by Richard Morgan

The children were in Ms. Lenihan's fourth grade gifted class and instead of just giving a talk the teacher had asked each one of them to bring in a rock from their own collection to be identified during this period. They were impressed with the specimens and the reasonings as to the way I explained that many rocks told a story by looking at their makeup. After the presentation and question period, each student brought up a rock to be identified, I was able to identify all but one of their material and that one I could figure out it's makeup and a number of the minerals in it.





**CMS General Meeting June 8, 2017**

by Keith Alan Morgan

The meeting began at 7:10.

The minutes as ran in the Tumbler were approved.

**Treasurer's Report:** Doing well. Funds from selling at the Puyallup show did well. There are still some buckets of rock left over for sale. There is still grit for sale. Talk to Bob Pattie if you want to buy some grit.

**Webmaster's Report:** The site has 63 Likes on Facebook. 119 users on-site. Mark won first place for club website from the NFMS.

**Mineral Council:** The next meeting is next week.

**Shop Report:** The weather is getting better for using the shop. Call for an appointment.

**Wire Making Classes:** Coming up this weekend.

**Field Trip Reports:** Greenwater is June 17. Red Top is July 15 for agate.

**Health and Welfare:** Not here, sick.

**Federation Report:** Went to Hamilton, Montana. The dues for next year will drop by a dollar. Charles Schwabb has been hired to handle the investing of the Endowment Fund. Next year's show will be April 27-29.

**Cascade Show:** It will be at the Greenwater College Community Center the last week in September 2018 (next year, not this year). We will need club members to be prepared to help out. The Puyallup Show is disposing of their show stuff

**Christmas Party:** December 3, 2017.

**Program:** Dick Morgan on chasing cracks in rocks.

Displays:

*Tony Johnson* – Rocks & stuff.

*Kat Koch* – Halite.

*Len Bahr* – Faceted gems.

*Rich Morgan* – Desert roses “rocks that dissolve in the rain”.

*Mike Blanton* – Calcite with aragonite from Mexico. Barite rose pendant, Himalayan salt.

---

*Don't forget you can pay your dues via credit card online or at the meetings!! We accept all cards.*

---

**Washington State Fair - Puyallup**

Online registration is open now! The online application is on this page.

<http://www.thefair.com/participate/exhibit-entries>

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 cabochons, intarsia, fossils, gem display, crystal display, 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. There are 4 prize levels and you win anywhere from \$100 to \$5.

Online registration is open now! Time to get 'er done!

Online registration closes August 16 (Wednesday). You will find the “Entry Form” under Participate, then Competitive Exhibits.

Deliver your entries to the Fair August 18 (Friday) through August 20 (Sunday). Check website for times. Lapidary Arts is Division 231 – You will need to lookup the appropriate Class from the handbook. The handbook is online under “Hobby Hall” then scroll down below the calendar.

**“The Barnyard” Not Yet Ready for Prime Time**

Per an Associated Press report, paleontologists recently completed an inventory of 5-million-year old Pliocene mastodon, camel, horse, big cat, and bird tracks discovered in a remote canyon of Death Valley National Park and nicknamed “The Barnyard.” One Loma Linda University paleontologist says, “This is as good as it gets—there are fossil tracks almost everywhere you look.” But don't look yet! The National Park Service says it must first devise a plan to manage and protect this special site before they will open it to public viewing. Until such time, the exact location is a closely guarded secret.

from Rockhound Rambling, 1/17

---

The word “alcohol” is rooted in the Egyptian word “kuhl” for powdered antimony.

from USGS Twitter, 4/5/17

## A Note from the President's Desk...

by Kat Koch, 2017 CMS President

The Board is still diligently working on a Show budget.

Currently the Show meeting is held in conjunction with the Board meeting. All members are welcome to attend if you are interested in helping out or just curious as to what's happening with the show planning or nuts 'n bolts of our club. Our next meeting is July 10th @ 7 pm, Panera Bread, Kent Station.

Election of officers is coming up the end of this year. If you are interested in running for a position or to work on a committee please let one of the Board members know. The entire Board except for 1 Director's position are open for election this year.

Dates to mark on your calendar:

August 6, 2017 – CMS Club potluck picnic & live auction. Lake Wilderness, Maple Valley

September 2017 – Need volunteers entire month for Puyallup Fair booth. (No Tuesdays).

December 3, 2017 – CMS Dinner, meeting & live auction. American Legion Hall, Kent

April 27-29, 2018 - 2018 NFMS 80th Annual Show, Central WA State Fair Park, Yakima

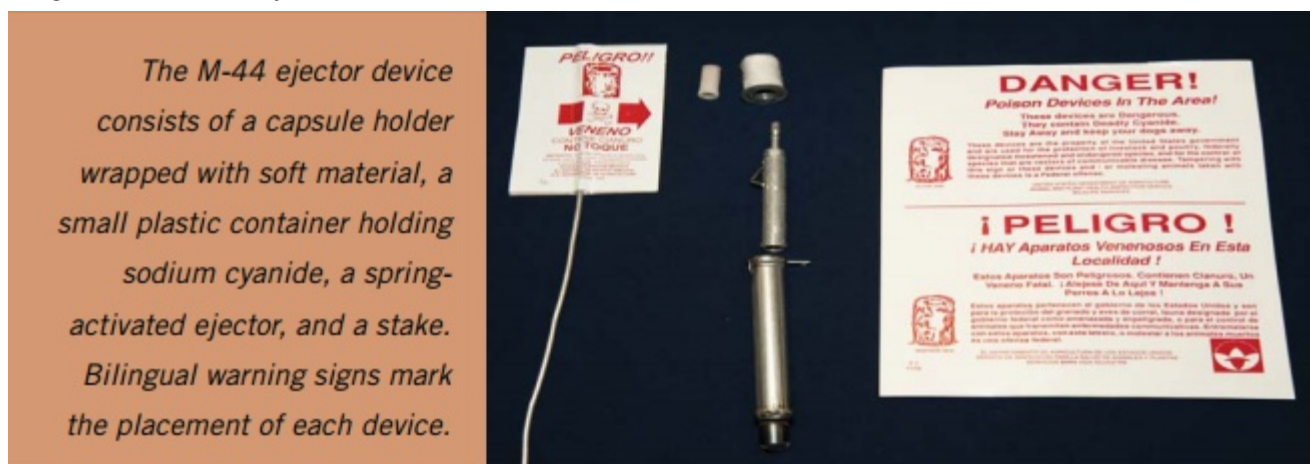
August 27-30, 2018 – CMS Rock & Mineral Show. Green River College, Auburn

Summers here – lets all go rockhounding. There is a great field trip planned for July.

## A Rock Hunting Safety Tip Often Not Mentioned by Kat Koch, Cascade Mineralogical Society

You will find Safety tips for people to follow when rock hunting, are discussed and even published. Some people are trained to take care of most dangers that are encountered while hiking, camping and, yes, even rock hunting. This is one danger that almost never see on a list of safety tips out there is, . . . ***In some areas where Rock Hounds are, is a "cyanide bomb", which is EXTREMELY LETHAL!***

The name of these bombs is M-44, which has been used for predator control on small animals (Sheep). M-44's have been used for many years, since about the 1930's and 1940's. These devices are placed on the land by Wild Life Services, a branch of the Federal Government. The bottom line . . . become familiar with, and know what the M-44 device looks like. Instruct your family and friends to LEAVE THEM UNDISTURBED! DO NOT touch them - and, keep your dog and children away from them!



They attract predators as they are often baited with fetid meat. M-44s can indeed kill other non-target species, including wolves, bears, imperiled wolverines, Canada lynxes and domesticated pets (dogs!). The ejector is triggered when the animal pulls back on the baited M-44 unit. The sodium cyanide powder reacts with the moisture in the animal's mouth, releasing hydrogen cyanide gas. Death occurs from 10 seconds to 5 minutes after the device is triggered. According to an investigation by the Sacramento Bee, 18 Wildlife Services employees and several other people were exposed to cyanide by M-44s between 1987 and 2012 and between 2000 and 2012 the devices killed more than 1,100 dogs.

On March 10, 2017 a 14 year old boy and his family dog were hiking on hill (public land) near their home in Pocatello, Idaho. The dog found an M-44 and was killed in less than 2 minutes. The young man, covered in cyanide, ran home to seek help. The Dad tried to resuscitate the dog. The boy being covered in cyanide was rushed to the hospital. This also caused the Dad and home to be exposed to cyanide. The young man explained that the device looked like a lawn sprinkler head.

After this incident the USDA, as of March 28, 2017, announced it is reviewing its procedures for M-44 predator control. They have announced no changes in their procedures other than they will no longer use them in Idaho.

*continued on next page*

## Club Field Trip

**July 15, 2017**

We will be exploring the tailings pile of the abandoned Clipper Mine out past Carbonado in Pierce County. We will be looking for Copper, Azurite and Chrysacolla.

Meet at the Rosie's IGA Market (closed) behind the Chevron Station, 29393 WA-410, Buckley, WA 98321  
The group will leave promptly at 9 am. So don't be late.

Field trip guide is Tony Johnson.

You will need hand tools: hand pick, small shovel, scoop, plastic bucket or backpack. If it has not been raining it can be a little muddy when hiking to the site as we cross a couple of very small creeks. If it has been raining it will definitely be muddy along the way.

*A little bit of history on the Clipper Mine:*

The Clipper mine is located in the Carbon River Mining District of Pierce County WA at an elevation of 3823 feet. The first discoveries in the district were around 1898. The Clipper was part of the Surprise group of claims dating to around 1901. The Leola Mining Company drove the Clipper tunnel using three shifts of men. They were following a lead copper ore vein that at the opening was a 15 inch width and eventually grew to a 15 foot vein. Assays showed \$43 a ton in copper, silver, and gold after 380 feet of tunnel had been run. The Clipper mine had also been known by the name Mother's Day mine at some point in it's history as well. The workings of the mine consist of 1200 feet of tunnel with several short crosscuts or horizontal branches.

Also check the WA Mineral Council website for their sponsored trips.

[http://www.mineralcouncil.org/FieldTrips\\_2017.pdf](http://www.mineralcouncil.org/FieldTrips_2017.pdf)

*From previous page*

When the M-44 Device is in place, there is supposed to be a Community Notification and their location should be CLEARLY MARKED. This is not always done or any markings or tags deteriorate over time. The M-44 Device is used in about 16 States around the country, mostly in the west. The use of these devices apparently varies from state to state.

Be sure to check out what this lethal device looks like. Go to Goggle on your computer and type in "What does a cyanide bomb look like?". This site will also show different types of cyanide bombs. *If you encounter one . . . . treat it like a live bomb! That is exactly what it is! Be safe in all you do!*

You can read further about M-44 devices at the USDA website:

[https://www.aphis.usda.gov/publications/wildlife\\_damage/content/printable\\_version/fs\\_m44\\_device.pdf](https://www.aphis.usda.gov/publications/wildlife_damage/content/printable_version/fs_m44_device.pdf)

*Source Material:*

*Article on KSL.com by Amy Joi O'Donoghue, March 26, 2017*

*Article Sacramento Bee by Tom Knudson, April 30, 2012*

*Article Northwest Newsletter Vol 57 No 4 by Keith Fackrell, April 2017*

*USDA.gov website – Wildlife Services, M-44 Device for Local Predator Control*

*National Geographic – Dog's Death Spotlights Use of Cyanide "Bombs" to Kill Predators*



*A Wildlife Services biologist places a warning sign near an M-44 device. The devices are checked at least weekly.*

**Old M-44**



**M-44 Device Photo by taken by  
Bannock County, Sheriff's Office**

Scientists discovered a well-preserved new species of ankylosaur. The discoverers thought the face of the animal resembled the villain Zuul from the movie Ghostbusters and ended up naming it Zuul crurivastator, which means "destroyer of shins."



# Shows

**July 15 & 16:** Saturday & Sunday 10 am — 5 pm  
**Darrington Rock & Gem Club**, *Rock and Gem Show and Sale*  
Manford Grange  
1265 Railroad Avenue  
Darrington, WA, (behind IGA)

**July 21 - 23:** Friday & Saturday 9 am — 6 pm; Sunday 9 am — 5 pm  
**Washington Agate and Mineral Society**, *Rock and Gem Show during  
Tenino Oregon Trail Days*  
Parkside Elementary School  
301 Central Avenue E  
Tenino, WA

---

## Leaverite

by Kinney Polve

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

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

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

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

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

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

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

via The Whittier Rockhouser, 6/16; via Rock-n-Rose, 5/16; from The Cowtown Cutter, 4/16