

The CMS Tumbler

**May
2016**

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 12, 2016
7:00 p.m.**

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

**The program will be the video
White Sands: A Land In Motion**

**The Show & Tell
Theme is Field Trip Finds**

***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***

Field Trip: Greenwater – May 21, 2016. We will be searching for red and black agate in the Enumclaw/Greenwater area. We will leave the Ranger Station promptly at 9 am.

This field trip is open to everyone: CMS members, guests, friends, other clubs, teenagers and children. Remember all minors must be accompanied by an adult.

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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

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Keith Alan Morgan, Editor

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Bulletins are welcome.
Email preferred.
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Treasurer Richard Russell
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 Faceting
 Jewelry
 Lapidary Bob Pattie

2016 CMS Dues are \$30. Send or deliver dues to:
Richard Russell, 14431 SE 254th St., Kent, WA 98042 (or pay him at the meeting)

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	9 Board Meeting 7 pm	10	11	12 General Meeting 7 pm	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 11, 2016

by Pete Williams, 2016 Secretary

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

Meeting called to order at 7:05

Rich is checking for available dates in December for the Christmas party. Hall rental through July and storage have been paid. The fee for the Puyallup show on June 3-5 has been paid too. Mike will have Federation raffle tickets for sale to club members soon. He also has a copy of the Federation budget for anyone interested in seeing it.

The new club website is ready to go. There will be a direct access to the club Facebook page for anything updated on the website. It will replace the existing one and the address will be the same. The board decided that the Tumbler will be loaded on to the website on a one month lag. This will emphasize the privilege of club membership. We are looking to get sponsors to the site. This could include Jerry's Rock Shop, UPS, and the American Legion. The recommendation was to give them 6 months free and then begin charging something when we can show the site has a lot of hits. Classified ads can also be considered after the site can show a lot more hits.

The April program will be Jim Cerenzie presenting what tools and equipment are needed for rockhounding field trips. Bob came across a good article on shop safety and will bring this to the general meeting. He will also have colored maps of WA collecting sites available for sale for \$10.

The club is still looking for a veteran during war time to be a sponsor for the club. This is a requirement to use the American Legion facilities. The club is willing to pay for membership. There were 30 people attending the March field trip to Greenwater. The April field trip will be for red and black agate in Greenwater.

Kat is planning a future meeting where members show what they do with rocks. This will include, for example, knapping, clothes pins, jewelry, lamps, and local mineral specimens. Our club did not need to pay any fees to participate with the Puyallup club at the fair in September. Last year they gave away about 1000 polished rocks to children. Our club will need to provide some polished rocks. Members will be asked to contribute.

The next meeting will be May 9 at Panera Bread in Kent.

Meeting adjourned at 8:24.

Young Richard's Almanac by Dick Morgan

A humorous remark can sooth a rebellious attitude, as long as you are not making fun of the person with the attitude.

Road Closure Meeting Alert! By Ed Lehman

Mark your calendar! May 11th (Wednesday) the Forest Service will present their road closure—decommission for Greenwater—upper White River areas at the Greenwater Fire Station just East of Greenwater. Time is 6 to 8 pm. This is a great rock collecting area, and they want to gate or close 186 miles of logging roads. The whole area is heavily used for all types of recreation. If we make enough noise, I think we can turn them around. I'm tired of their prejudiced denying of access to the young, old, and disabled. Even the able may need to hire child care for them to go. I am familiar with many of the areas they want to decommission, and can see no logical reason to destroy the roads. Some you can drive a sports car through. One good example Upper George Creek, doesn't even have pot holes. If we let this one get away, it will be very easy for them to close many other areas.

Ask them how many millions of dollars they have brought in from timber sale on school sections the past few years to support our schools.

Rockhounding By Flashlight by Dale R. Brechbill 12/11/15

One fine November day of 2015, while I was raking leaves, a neighbor hopped over my split rail fence excitedly to visit. It's important to note that a stone row also separates the back of leg of my property and as a Rockhounder, I am in the habit of discarding my "leverites" and other scraps from my rock sawing adventures on to the stone row as discards which include small pieces of calcite, quartz and other minerals. I have done this in hopes that my neighbor children would find something they liked. During our discussion, my neighbor remarked that his 5 year old son and his son's overnight visitor friend came down for breakfast around 6:00 AM with flashlights. Daylight is still about an hour away. When the father asked the children "what's up with the flashlights" the son reported that they were going rock hunting on the stone row. What dedication for 5 year-olds, and possible future rock collectors and or geologists.

from The Franklin County Rockhounder, 3/16

CMS General Meeting Minutes April 14, 2016

by Pete Williams, 2016 Secretary

Meeting called to order at 7:04. Minutes were approved with correcting Mark Hohn's wedding anniversary date. There were 2 new members and 24 in attendance.

Tumbler Editor and Webmaster's Report: Keith received lots of input for the Tumbler this month. Keep up sending in articles. The PDF ended up being 8MG because the pictures were much larger than thought.

Treasurer's Report: Rent for storage and the hall have been paid. Anyone interested in more detail on club finances can attend the board meeting.

Shop Reports: The shop is set up, but some cleanup around it is necessary.

Field Trip Report: There were 30 people attending the March trip to old slope Greenwater. One area was still snowed in and inaccessible. The next trip will be April 16 near the same area for red and black agate. There will also be a trip April 30 to Saddle Mountain. Meet at the Shell station in Matawa at 10:00.

Federation Report: This weekend there is a meeting at the Kennewick fairgrounds. The annual meeting is in July.

Mineral Council: The new edition of the colored Washington collecting sites map book is available for sale for \$10. Pictures have been updated, but GPS coordinates have not been added yet.

Old Business: Mark finished the design of the new website. It is the same web address as the old one. The Facebook page has been updated as well. Updates to the website will automatically update the Facebook page. The website will be updated with current information such as the field trips. It will be available tonight.

Our club had a display case at the prospector's show in Lacey. It was the only display case and was used as part of the scavenger hunt for the kids. We will also have the same display at the West Seattle show. We will be working the Washington State fair with the Puyallup club with the purpose of advertising our club and seeking new members. The fair is Sept 2-25. Volunteers are needed for 3 hour shifts and will be provided free admission and parking. Tumbled rocks are needed to hand out to the kids. Last year about 1000 were handed out. We are exploring a booth at the November Gem Fair in Tacoma. This would not be to sell, but only advertise.

New Business: A club member who is a veteran during a war time offered to be the American Legion club sponsor. Those interested in tumble rock for the fair can go start with the grit up to 220 and then provide to Mike Blanton to finish if you desire.

If anyone has ideas on additions to the website please provide to the board or the email addresses on the website. An article on shop safety that Bob came across was available to members. July will be the 60th anniversary of the Tumbler and Kat is looking for someone to be the club historian to document the history of the club.

Program: The program was a presentation by Jim Cerenzie on tools and equipment needed for rockhounding.

Meeting Adjourned: 8:15 followed by the raffle.

Displays:

Rich Russell - Frog-skin agate, agate from Old Slope.

Michael Blanton - Magnesite as various stones.

Tony Johnson - White River area thundereggs, agate, jasper, and a lot more.

Pete Williams - Rocks, fossils and shells from the Oregon coast.

Dick Morgan - Black jade, black jasper, quartz, petrified wood, tiger-iron.

Roger Pullen - Fool's gold.

Bob Pattie - Rock bowl & lid, petrified wood, coprolite.

Federation Endowment Fund Tickets Now Available

Mike Blanton is selling tickets for the Federation Endowment Fund. He is a member of the Cascade Mineralogical Society, West Seattle Rock Club, Puyallup Valley Gem Club and the Kitsap Mineral & Gem Club. They are available by contacting him directly or looking for him at the various Club meetings. He is selling the tickets from now through the first week of July. Tickets are \$5 each or 5 for \$20.

To view some of the prizes go to: http://www.amfed.org/2016_AFMS_Endowment_Fund_Drawing.pdf

How Much Gold Is There?

A block of gold 18 yards on each side, represents not just the gold of America, but all the gold mankind owns. It is your watch, your ring, your necklace as well as the gold in the government reserves. It is all the gold in churches, the solid gold museum artifacts, the dental filings and even the gold plating on dime store do-dads, It is all! An 18 yard high cube is the gold of 6,000 years. No wonder it is precious. No wonder man seeks more of it.

via The Quarry, 2/16; via The Rockpile, 2/16; via The Backbenders Gazette, 7/00; via Gem Cutters News, 5/00; via Lapidary Chatter, 6/97; from Choo-Choo Chatter, 4/97

A Note from the President's Desk...

by Kat Koch, 2016 President

I have been asked by a few Club Members why I have committed the Club to helping man the "Rock & Gem" table at the Puyallup Fall Fair and the November Gem Fair at the Tacoma Dome.

I feel in order for our Club to continue to exist and remain financially healthy we need new members. The only way we can get new members is to let the public know we exist. Last year, when Mike and I did craft shows, we had so many people say to us that they thought the Boeing Club closed down or people that lived in the Kent area and didn't even know there was a nearby Club. We have even met members of the West Seattle Club that joined there because they didn't know about us and live near or in Kent. So this is why I have been putting in so much effort to getting our name out there. Tony has contributed tremendously to our Club exposure by doing field trips for us. Mark has done a fantastic job of revamping our website and I am already getting email inquiries from it regarding membership.

We had new members enroll at our meetings in March and April!

With a larger membership base we will have more options for Club meetings. We will have an easier time of covering the room rentals fees, insurance, annual events and etc. Right now, Bob Pattie voluntarily covers several costs related to the Club. We can have better door prizes and obtain interesting speakers for our meetings. I really want to make the Club self-sustaining.

Speakers in the Geology and in the Rock and Gem field are more apt to speak at Clubs that have a larger meeting attendance.

The Cascade Club had their throwback case at The Bedrock Prospector's Show in Lacey on April 2-3 and West Seattle Rock Show on April 23-24. The West Seattle was a double sided 8 ft case so we had plenty of space to show off several types of Petrified Wood. This case shows a copy of the legislative bill to make Petrified Wood the designated state rock. A photograph of the people and legislators that attended the signing and samples of Petrified Wood found around the state. The cases were a big hit and had our Club name was prominently displayed.

I am still looking for someone to be our Club Historian. It doesn't require a huge time commitment. You will have to make sure someone takes pictures at our Holiday Dinner/Auction and Annual Picnic. Make sure a permanent record is kept of the officers each year and possibly their picture. Then once in awhile pictures of our meetings or of a special event we may have. Also keep a hard copy of the monthly newsletter. You will not have to attend any Board meetings. See it really is an easy position but a very important one.

Test For Silver

There are many tests to check if something is real silver. This test was a new one I never heard of.

Did you know ... Silver is a fantastic thermal conductor--it transfers heat and cold very quickly, at a level that almost seems science fictional. This is a fun test to run (and it's really fun with kids watching), and its best run with un-set silver pieces which have no gemstone or enameling.

All you need is 1) the item you're testing and 2) a flat piece of ice.

Small jewelry pieces can probably use an ice cube. For larger pendants and coins, you may need to freeze some water in a disposable cup or foil pan (so you have a nice flat surface).

Place the silver item on the ice, silver side down, and don't take your eyes off of it. The ice should start to melt immediately, as if it were on a hot stove, creating the shape of your item in the ice. The purer the silver, the quicker the melt. This is because silver is the best thermal conductor of all--it's even better than copper and gold! When you touch the silver even a second later, you should notice how really cold it is. The more pure the silver, the faster the metal turns cold. If it's only plated, the temperature change and melting won't occur.

If the item has a design (like a silver pendant) without gemstones or enameled color, put the design side down to the ice. As the ice starts melting, pick up the piece. You'll see a reverse version of the design right in the ice!

from The Rockhouser, 2/16

Ice

A mineral is defined as a naturally occurring, homogeneous solid, inorganically formed, with a definite chemical composition (or range of compositions), and an ordered atomic arrangement. Water does not pass the test of being a solid so it is not considered a mineral although ice; which is solid, is classified as a mineral as long as it is naturally occurring. Thus ice in a snow bank is a mineral, but ice in an ice cube from a refrigerator is not. The only exception to this rule (there always seem to be one) is that mercury is considered a mineral.

via The Agatizer, 4/16; from Mineralogy Society of America

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 7 *Darrington Rock Club* - **Racehorse Creek** - 9:00 @ IGA @ Nugent's Corner - Fossils, Mushrooms – Bring digging & hard rock tools
Ed Lehman—wsmced@hotmail.com (425) 334-6282 (425) 760-2786

May 21 *Ellensburg Rock Club* - **Saddle Mountain** - 9:00 @ Mattawa Lepricon Market - Petrified Wood – Bring digging & hard rock tools
Steve Townsend—srtrocks@aol.com (509) 933-2236

May 21 *Cascade Mineralogical Society* – **Enumclaw FR-70** - Meet at the Enumclaw ranger station, leave at 9:00 am – Red & black agates
Tony Johnson – (253) 863-9238

Briarwood Elementary School Science Fair by Andy Lengenfelder

April 22 the CMS had a rock and mineral display as part of the Science Fair for K-5 graders at Briarwood Elementary School in the Issaquah School district. Along with myself and my wife Faye, Bob Pattie and his daughter Diana Horsfal brought samples of minerals, petrified wood and finished jewelry to show the kids and the parents during the Briarwood Science Fair. We had a big turnout and interest in Bob's petrified wood samples and his fossils was great. Big hit were the free tumbled samples, going to need to start some more for next time! As happens when I display or talk to the public, there is usually someone that stops by that is a pro in the field. Happened Friday, a Mining Engineer stopped to look at the mineral samples but all the samples seemed to be named OK.

There were about 50-60 displays set up by the kids, some very advanced for grade school. Another attraction by the Liberty High School Robot club demoing their robot that picks up a volley ball and throws it. They have done well in robot competitions.

Faye and I have worked with the school for several years as mentors and Reading Buddies, so it was nice to be able to connect with some of the children that we have known throughout the years.



Shows

May 7 & 8: Saturday 9 am – 5 pm; Sunday 10 am – 4 pm

Umpqua Gem & Mineral Club

Douglas County Fairgrounds

I-5 Exit 123

Roseburg, Oregon

May 14 & 15: Saturday 10 am – 5pm; 10 am – 4 pm

Hatrockhounds Gem & Mineral Society, *Natures Treasures Under Foot*

Hermiston Conference Center

415 S. Hwy. 395

Hermiston, Oregon

May 21 & 22: 10 am – 6 pm

10th Annual Mineral Mart

Lake City Community Center

12531 28th Ave NE

Seattle, Washington

Osteology by Steve Mulqueen

Osteology is the detailed study of bones related to human and animal remains. Osteology is a sub-discipline of anatomy, anthropology, archaeology, pathology, paleontology and the forensic science. The science of osteology is applied to the study of the bones, skeletal framework, teeth, bone functions and diseases. A professional scientist that specializes exclusively with osteology is an osteologist.

An investigation involving human or animal remains may include the following:

1. Depth of burial, soil conditions and climate – These factors are very important to record, especially when determining the length of time that has elapsed after death. When analyzing ancient life forms at fossil sites or archaeological digs, it may be important to analyze numerous soil horizons to determine the relative, absolute or geologic age of the remains. When remains are on the surface of the soil or rock, it is important to understand the possible effects of weathering on the remains.
2. Inventory of the skeletal elements – A detailed inventory of the skeletal elements present at the investigation site may include the position of the bones, a note of any missing bones and indications of blunt force trauma such as markings or broken bones.
3. Aging data – An analysis of how the process of aging, to adulthood, has influenced the form of the skeletal framework.
4. Stature and determination of gender – Physically measuring the remains to decipher the size of the human or animal and to gather physical evidence related to gender.
5. Ancestry or animal identification – Determining the ancestry of human remains or identification of the animal's genus and species.
6. Other details – Archaeological and fossil sites may show details of how the life form died, evidence of burial (naturally or by human activity), plant life buried with the remains and many other types of physical evidence.

Studies in osteology may use scientific approaches common to other disciplines including forensic science, physical anthropology, archaeology, zoology, vertebrate paleontology, pathology and anatomy. Osteology is often applied when determining animal predatory activity, ancient human warfare methods, possible war crimes, migration patterns, criminal activity, diet, disease, genetics, fossil assemblages, health (animal or human) and identification of unknown remains.

Source of Information: Refer to numerous sources of information under the headings of the osteology, Museum of Osteology, forensic anthropology and paleontology.