



the CMS Tumbler

November
2017

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

Next Meeting:
November 9, 2017
7:00 p.m.

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

The Program will be a History of Coal in Our Area by Bob Pattie. A pictorial history of Coal Mining in King County. This will be a brief look at the history of some of the communities such as: Renton, Newcastle, Black Diamond, Issaquah, Ravensdale and some of the historical towns in the area that are no longer in existence. Most of the pictures are from 1890's to early 1900's.

The Show & Tell Theme is a rock or crystal that sparkles.



*This month remember
to wish a
Happy Birthday to
Herman Gelbach on November 12,
Robert Pattie on November 25,
and also remember
to wish a
Happy Anniversary to
James & Xuyin Cerenzie on November 16,
Robert & Jacqueline Pattie on November 23 (60 years)*



**New members and
guests are welcome!**

This publication is an official bulletin of the Cascade Mineralogical Society Inc. (CMS).

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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.

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Postal, or Email, Exchange
Bulletins are welcome.
Email preferred.

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Director Mark Hohn
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Cascade Show Treasurer Pete Williams
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Federation Representative Michael Blanton
Federation Representative Kat Koch
Field Trip Tony Johnson
Health & Welfare Bev Williams
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Membership Mark Hohn
Mineral Council Bob Pattie
Mineral Council Jacquie Pattie
Newsletter - Tumbler Editor Keith Alan Morgan
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2018 CMS Dues are \$30 per year per family

Pay online, by mail, or at our meetings.

Mailing Address: Richard Russell

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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 Cascade Mineralogical Society Facebook page is <https://www.facebook.com/CasMinSoc/>

The Cascade Gem & Mineral Show Facebook page is <https://www.facebook.com/cascadegemandmineralshow/>



November



SUN	MON	TUE	WED	THUR	FRI	SAT
			1	2	3	4
5	6 Board Meeting 7 PM 	7	8	9 General Meeting 7 PM 	10	11 Skagit Show Maplewood Show
12 Skagit Show Maplewood Show	13	14	15	16	17	18 Mayfield Dam Trip
19	20	21 Lapidary Shop	22	23 Thanksgiving 	24	25 Lapidary Shop
26	27	28	29	30	Happy Thanksgiving!	

Lapidary Class Hours:.....Closed until further notice

Lapidary Shop Hours:.....3rd Tuesday..... 4:00 pm to 8:00 pm

Lapidary Shop Hours:.....4th Saturday..... by appointment

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

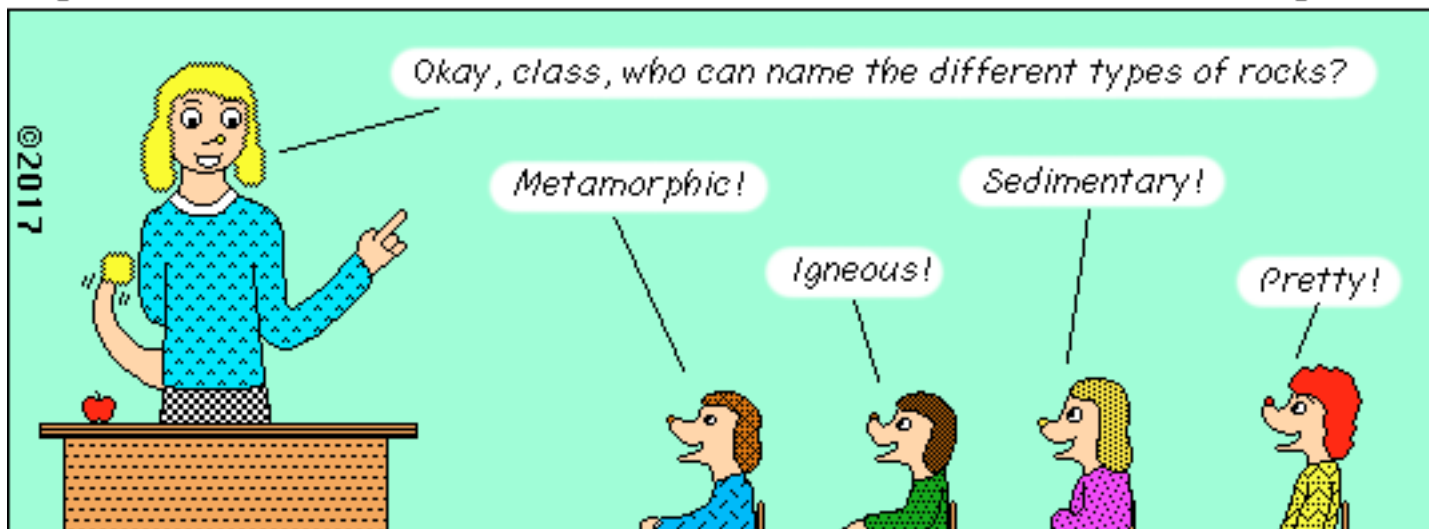
CMS General Meeting:.....2nd Thursday.....7:00 pm to 9:00 pm

More Field Trip info can be found on Page 7

More Show info can be found on Page 8

Types of Rock

by KAM



CMS Board Meeting Minutes October 9, 2017

by Pete Williams, 2017 Secretary

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

Meeting called to order at 7:03

We received information on the annual liability insurance renewal. The bill will come later. The Board is still determining if we should have an additional shop set up. There have been requests to use the big saws that only need oil in them. Mike will purchase the oil. A work party to set up the saw at Bob's will be on this Saturday at 1:00. Details to be finalized at the General meeting. Pictures on surplus club arbors will be emailed to members. Those interested can meet Rich at the storage unit on Oct. 18.

The CMS show checking account has been set up. The deposit has been paid to Green River CC and the Facebook page is live. Invitations will soon be mailed to 68 vendors. Online registration is being encouraged. A volunteer is needed to explore doing boy scout merit badges at the show. A volunteer to work on advertising is also needed.

A new Board position is being created for the Show Chairperson. The bylaws will be revised and presented at the general meeting. Since the NW Federation show will be in April next year submissions for the various competitions closes in December. Kat is encouraging submissions for the newsletter, website, original articles, and art. Board members were requested to provide recommendations on the art and articles.

Miscellaneous subjects: The website has been getting a lot of traffic lately. A representative from the Mountain to Sound Greenway came to speak to the Mineral Council. Details will be provided at the General meeting. The October field trip will be to the Clipper Mine. The last field trip of the year will be in November to Mayfield dam. Someone from the Puyallup Club will be replacing Tony as field trip chair. The Washington State Fair is revamping the lapidary section to add more categories due to the high number of entries this year. A volunteer is needed to run the monthly club raffle. A fundraising idea to sell calendars was discussed and tabled.

The next meeting will be November 6 at Wendy's in Kent.

Meeting adjourned at 8:48

New Board Meeting Location!

The Board meeting location has moved to:

*Wendy's (Hamburgers)**505 E Smith**Kent, WA 98030**253-852-3559*

The time is still 7 pm. All Members are welcome to attend.

Membership Update by Mark Hohn

It time to renew your membership in CMS. 2018 dues are \$30.00 for a family membership. Your renewal helps keep the club going. If you know of someone who would like to join please invite them to a meeting and join in the fun.

You can pay your dues online at : <https://www.cascademineralogicalsociety.org/membership-signup/#join>

Use your email address that you receive the newsletter to sign in to the website. You can pay with credit card, debit card or write a check and mail or bring to the next meeting.

Current membership: 49 members or families.

If you have not paid your 2017 dues it's still not too late. If you don't renew this month we will be forced to drop you from our newsletter mailing list. We don't want to lose you!

Young Richard's Almanac by Dick Morgan

My singing voice is so bad that when I sing in the shower even the water runs down the drain.



When feeling overwhelmed by a job remember water. It may not seem like much, but over time it can erode mountains.

Noble metals, such as silver, gold, and platinum, resist oxidation and corrosion in moist air. Precious metals have significant economic importance and most of the precious metals also are noble metals, since it's important for a currency to resist wear and tear. Examples of precious metals include gold and silver.

via Golden Spike News, 7/16; from Petrograph, 6/16

CMS General Meeting Minutes October 12, 2017

by Pete Williams, 2017 Secretary

Meeting called to order at 7:19.

Minutes were approved as written.

Treasurer's Report: Dues paid now will cover 2017 and 2018. There are 7 surplus arbors that will be put up for sale to members. They will sell for \$150 and will be available next Wednesday at 6:00 at the storage unit. Also, a trim saw will be for sale.

Tumbler Editor: Doing fine. Reminder articles are due by the 20th of the month.

Webmaster's Report: Website and Facebook are being updated for the show in 2018. Volunteers are needed for the kid's area and for advertising. We are also looking for sponsors and need donations of material for the raffle. Kat started efforts to get on "New Day". Contact any Board member if you can help with any of the above.

Shop Reports: The shop equipment is all set up and ready for use. There will be a need for a work party this Saturday at 1:00 to move some rock, move the big saw to a more stable table, and fill the saw with oil.

Field Trip Report: The October field trip will be to the Clipper mine. The November field trip will be to the Mayfield dam. The last trip that Tony will be leading will be in November. Tony has been field trip chair for 2 years now and has done an excellent job. He will still be available as a backup to lead field trips. He was awarded a certificate for volunteer of the quarter.

Federation Report: Next meeting is in Lewiston, Idaho, on 10/2. It will not be a voting meeting. Replacements for Kat and Mike may be needed. The annual regional show is in Yakima in April 2018. Kat has proposed entering the competitions for the newsletter, cartoon, and original article from the newsletter. Let Kat know your selection.

Mineral Council: A representative from the Mountain to Sound organization met with the MC. Their purpose is to coordinate with any organization that has some ownership in this area. The meeting went well. They are aware of rockhound's concerns.

Old Business: All Board positions are up for re-election. Nominations will be finalized in November and voted on in December.

New Business: A former member donated 2 buckets of rock and a tumbler to the club. The Board had proposed adding a position of Show Chairperson to the Board. This will be voted on at the next meeting.

Program: Tony Johnson gave a presentation on opals. Jerry's Rock Shop was unable to attend due to a health issue. They will be rescheduled for March.

Meeting adjourned at 8:27 followed by the show and tell and the raffle.

Displays:

Isaiah Fu - Rocks that he has collected.

Rich Morgan - Items shown at the Puyallup Fair.

Kat Koch - Display of Fair entries.

Jim Cerenzie - Big jasper that fit in the tumbler from Lewis County east of Chehalis/Centralia.

Roger Pullen - Fossil clam shells and coprolite.

Scott Thomasson - Geode, ammonites, and amethyst crystals.

Roger Danneman - Crystal geode, labradorite, malachite-azurite, and Red Top crystal geode.

Cascade Mineralogical Society By-Laws Revision

We'll be voting on the revision to the by-laws at the November general meeting. The changes are highlighted in bold.

Article IV.**Officers and Directors**

Section 1. The officers of the Cascade Mineralogical Society, Inc. shall consist of a President, Vice-President, Secretary, and Treasurer. Officers shall be elected from the Clubs roster of members in good standing.

Section 2. In the case of a need to replace the president the Vice-President will move into that position.

Section 3. There shall be a minimum of **eight** members on the Board of Directors consisting of the four elected officers, the immediate Past President, two Directors at Large, **the Show Chairperson**, delegates and/or representatives of affiliated organizations that require a monetary obligation, the appointed editor of the Club newsletter, and the appointed web site coordinator.

Section 4. Directors at Large shall be elected from the Club's roster of members in good standing.

A Note From The President's Desk...

By Kat Koch, 2017 CMS President

I would like to welcome the new members that joined at our October meeting. Two of the new families plus a guest family found out about our Club at the Puyallup Fair.

I would also like to recognize that news articles that our members have written for our newsletter "The Tumbler" in 2017 have so far been reprinted 7 times in various other club newsletters. This is very rewarding to hear as it's gets the word out that CMS is a thriving healthy Club. Thanks to everyone in the club that has written something for the newsletter whether it has been reprinted or not. We appreciate and value everyone's input.

I have also started the process of CMS having a children's program. This is a structured program for budding rockhoulder's that has badges, monetary awards and much more.

In order to get the program up and going I will be the temporary Youth Leader. There is a manual and instructions for the Leader. Would anyone like to volunteer for this position? I will provide backup. I am planning to be fully registered and ready to go by the January general meeting. December is our holiday dinner and auction so it not feasible to have it start in December. The youth meeting will be held at 6 pm just before our General Meeting and last approximately 30 - 40 minutes. Keep checking the website and newsletter for our first Youth Meeting.

I guess that's all that's presently on my mind.

2018 Cascade Gem And Mineral Show November Update by Mark Hohn, Show Chair

We have been doing a lot of work behind the scenes for our show. I have continued working on the Show page on the CMS website. I have all the booths configured in the shopping cart and hope to go live with the show booth selection cart this month. Vendors will be able to purchase single or multiple booths on line. We have not finalized the vendor contracts but will do so in the next week or so. The contract will be available for download on the website in the next few weeks.

The Show page can be found at: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>
Check out the show page to see the awesome venue we have reserved. If you know of potential vendors let Kat or I know. We are compiling a mailing list of potential vendors and will add anyone interested in being a vendor. We hope to send out invitations to vendors in the next few weeks.

If you have any questions feel free to contact Kat or I, our contact information is below.

Date of show: September 22-23, 2018

Setup will be on Friday Sept 21, 2018.

Venue: Green River College Student Union Building.

The facility is a new building with huge windows and plenty of light. Green River is working up a contract for our review, signature and deposit.

Current needs:

We are gathering a list for volunteers. You can sign up on the website at: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>

This page also has the show layout floor plan.

I would like to find someone to help with the social media and show promotion. If you have any experience in this area please let me know.

Kat has volunteered to assist with the vendor invitations and recruitment. If you know of a vendor that might be interested please let Kat or I know so we include them in our invitation mailing.

Demonstrations: We are reserving space for demonstration during the show. If you or someone you know might be interested in doing a demonstration session please let me know. I am also looking for someone to coordinate the demonstrations for the show.

Kids area: We need someone to help define and setup the events that we will have during the show for children. If you have ideas or suggestions please let me know.

How to keep up to date on our progress.

Facebook: Cascade Gem and Mineral Show page; <https://www.facebook.com/cascadegemandmineralshow/>

CMS Facebook Page: <https://www.facebook.com/CasMinSoc/>

Our Website: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>

Thanks for reading this far and hope you are as excited as we are for this show. It will be a great way to connect to our community and add new members.

Mark Hohn CMS Show Chair

253-332-3736

showchair@cascademineralogicalsociety.org

Kat Koch CMS Co-Chair

President@cascademineralogicalsociety.org

Club Field Trip

November 18, 2017 - Mayfield Dam Area

We will be looking for a beautiful blue and gray agate or red and gray agate with white speckles. If you recall at our meeting in September, Tony had a sample of the blue/white rock that he had cut and polished. It was really beautiful.

Meet at the Mayfield Grocery Store (aka J J Berry) 3429 US-12, Mossyrock, WA. From Renton it is approximately a 2 hour drive (105 miles) to the grocery store.

The group will leave promptly at 10 am so don't be late!

Tony Johnson will be our Field Guide. Any questions you can contact him at cell # 253-753-5938 or home # 253-863-9238.

We will be rock hunting in a quarry. If the gate is open we can drive right in. If the gate is closed we will have to hike about 100 yards (length of a football field) on a fairly steep paved road.

Rockhounding the tailings pile: Tools needed are gardening hand tools such as 3-pronged trowel and shovel plus hand weeder. Optional a shovel and/or rake. Bucket or backpack to haul out for rocks.

Working the seam: Tools needed are chisel, shovel and hand sledge hammer, pry bars plus hand tools. Bucket or backpack to haul out for rocks.

What are Mineraloids? by Katherine Koch

Definition: Mineraloid, an amorphous inorganic substance that would otherwise have the attributes of a mineral. It also lacks a definite chemical formula or crystal structure.

There is a class of minerals, Mineraloids, that is not often mentioned as the members of this class are often classified as minerals or gems. The members of this class lack the necessary crystalline structure to be truly classified as such. Amber, pearl, jet and petrified wood are the products of organic processes that further remove them from full mineral status. These materials are found naturally, some are treated as gemstones and are included in most mineral references.

Most Mineraloids form at low temperatures and low pressures found at Earth's surface and in shallow subsurface environments. Materials such as opal, psilomelane, chrysocolla, limonite and a wide variety of supergene materials crystallize from gels or colloids in the shallow subsurface. Many of these materials will eventually transform into minerals with time, heat, or pressure. These low-temperature mineraloids often have a smoothly rounded or hemispherical (mammillary), grape-like clusters (botryoidal), pea-like clusters (pisolitic), or icicle-like (stalactitic) behavior pattern.

The following is a sample of the most common Mineraloids:

Amber (Succinite - fossilized tree resin)

Chrysocolla (Hydrated Copper Silicate)

Jet (Very Compact Coal)

Lechatelierite (Lightening Strike Nearly Pure Silica Glass)

Limonite (Hydrated Iron Oxide)

Mercury (A Liquid at Normal Temperatures)

Moldavites (Meteor Impact Silica Glass)

Mookaite (Organic Material from Marine Shelves)

Obsidian (Volcanic Silica Glass)

Opal (Hydrated Silica)

Pearl (Organically Produced Carbonate)

Petrified Wood (Fossilized Organic Matter)

Psilomelane (Hydrated Manganese)

Pumice (Expanded Volcanic Glass)

Shungite (A Lustrous Black Nearly Pure Carbon)

Tektites (Meteor Impact Silica Glass)

Water (A Liquid at Normal Temperatures)

NOTE: Water and mercury are classified as mineraloids. They are the only two natural inorganic substances that have a definite chemical composition and are liquids at room temperature. They are also the only two liquids that crystallize into minerals within a range of temperatures and pressures available at Earth's surface.

Bibliography: geology.com wikipedia.org minerals.net galleries.com
mindat.org Merriam-Webster Dictionary Dictionary.com

A Rock Hammer By Any Other Name

As rockhounds we are all familiar with the name Estwing, but did you know the founder of the company was born and emigrated to the US as Ernest O. Johnson? Upon discovering how common the Johnson name was he changed his last name to Estwing (a reference to the area where he was born in Sweden).



Shows

November 11 & 12: Saturday 9 am - 5 pm; Sunday 10 am - 4 pm

Skagit Rock & Gem Club, *Treasures of the Earth*

Sedro Woolley Community Center

703 Pacific St

Sedro Woolley WA

November 11 & 12: Saturday 9 am - 5 pm; Sunday 10 am - 5 pm

Maplewood Rock and Gem Club, *Annual Fall Show*

Maplewood Rock and Gem Clubhouse

8802 196th ST SW

Edmonds WA



Internet Addresses

Accidental Museum of Paleontology

<http://www.dcfossils.org>

via T-Town Rockhound, 10/16, from Rockhound News, 9/16

Free Geomagnetism Comic

<https://geomag.usgs.gov/publications/comicbook/GeomagComic.pdf>



California Gets an Official State Dinosaur! by Jim Brace-Thompson

At long last California has officially designated a State Dinosaur. (And, no, it's not Senator Feinstein nor Governor Brown, who recently signed a similar bill designating a State Nut!) Found only in California, *Augustynolophus morrisi* is a hadrosaur (a duck-billed dino) that lived some 66 million years ago at the same time as *Triceratops* and *Tyrannosaurus rex*. Originally unearthed by crews for the California Institute of Technology during fieldwork in 1939 and 1940, *Augustynolophus* comes from the Moreno Shale Formation in the Panoche Hills of Fresno County.

from Rockhound Rambling, 10/17

Zen Moments

The journey of 1000 miles begins with a broken fan belt and a leaky tire.

If at first you don't succeed, mining is not for you.

Some days you are the ammonite, some days you are the dinosaur poo.

The quickest way to X marks the spot is through a rockhound's stomach.

from The Franklin County Rockhouser, 7-8/17

Geologists: Despite their faults, they are gneiss, tuff, and a little bit wacke.

from Rockhound Rambling, 7/17