



the CMS Tumbler

April
2018

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

Next Meeting:
April 12, 2018
7:00 p.m.

American Legion Hall
25406 97th Pl S
Kent, WA

No Show & Tell, Door Prizes, or
Raffle this meeting.



*This month remember
to wish a
Happy Birthday to
Mark Hohn on April 17,
and also remember
to wish a
Happy Anniversary to
Mark & Penny Hohn on April 17*



Rock Bingo Night

We will need everyone to bring 3 items: polished rocks, slabs, crystals, clay baby, fossils, cabs, carving, jewelry, or a rock or fossil related item to contribute to our prize pool. Please wrap your donation in anything from gift wrap paper, newspaper, to a brown paper bag.

This will be a great night for the kids! Be sure to bring your kids and their friends, grand kids, scout troops, or anybody else that you think might enjoy playing Bingo. Everyone will go home a winner.

There will be a charge of \$1 per player to cover the cost of supplies. Each person can play 1 to 3 games/cards.

We had so much fun last year at this event. Let's all do it again.

Looking forward to seeing everyone Thursday night!

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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Bulletins are welcome.
Email preferred.
greenrockdraggin@yahoo.com

2018 Elected Officers

| <u>Title & Name</u> | <u>Home Phone</u> | <u>Email Address</u> |
|--|-------------------|---|
| President Kat Koch | 425-765-5408 | president@cascademineralogicalsociety.org |
| Vice President Diana Horsfall | 206-818-9507 | dianahorsfall@comcast.net |
| Treasurer Richard Russell | 253-736-3693 | richru1@yahoo.com |
| Secretary Pete Williams | 425-228-5063 | petewill02@gmail.com |
| Director Roger Pullen | 206-387-3214 | june.d.murff@boeing.com |
| Director Roger Danneman | 425-228-8781 | roger.danneman@q.com |
| Past President Bob Pattie | 425-226-3154 | bobpattie@comcast.net |
| Show Chairman Mark Hohn | 253-332-3736 | showchair@cascademineralogicalsociety.org |
| Federation Representative Michael Blanton | 425-271-8757 | mblanton41@hotmail.com |
| Federation Representative Kat Koch | 425-765-5408 | president@cascademineralogicalsociety.org |
| Mineral Council Bob Pattie | 425-226-3154 | bobpattie@comcast.net |
| Mineral Council Jacquie Pattie | 425-226-3154 | dianahorsfall@comcast.net |

2018 Show Committee Chairs

| | | |
|--|--------------|---|
| Cascade Show Mark Hohn | 253-332-3736 | showchair@cascademineralogicalsociety.org |
| Cascade Show Co-Chair Kat Koch | 425-765-5408 | president@cascademineralogicalsociety.org |
| Cascade Show Treasurer Pete Williams | 425-228-5063 | petewill02@gmail.com |
| Cascade Show Silent Auction Michael Blanton | 425-271-8757 | mblanton41@hotmail.com |
| Cascade Show Raffle Donations Michael Blanton | 425-271-8757 | mblanton41@hotmail.com |
| Cascade Show Demonstrators Richard Russell | 253-736-3693 | richru1@yahoo.com |

2018 Committee Chairs

| | | |
|--|--------------|---|
| Club Historian | | |
| Donations Kat Koch | 425-765-5408 | president@cascademineralogicalsociety.org |
| Field Trip Roger Danneman | 425-228-8781 | roger.danneman@q.com |
| Health & Welfare Bev Williams | 425-228-5063 | britbev1957@outlook.com |
| Library Bob Pattie | 425-226-3154 | bobpattie@comcast.net |
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| Newsletter - Tumbler Editor Keith Alan Morgan | 253-862-8201 | greenrockdraggin@yahoo.com |
| Open Shop Instructors Bob Pattie | 425-226-3154 | bobpattie@comcast.net |
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| Refreshment Angie Bayer | 253-631-3840 | angiemc61@msn.net |
| Raffle/Display Roger Pullen | 206-387-3214 | june.d.murff@boeing.com |
| Shop Operations Bob Pattie | 425-226-3154 | bobpattie@comcast.net |
| Show & Tell Michael Blanton | 425-271-8757 | mblanton41@hotmail.com |
| Webmaster Mark Hohn | 253-332-3736 | showchair@cascademineralogicalsociety.org |

2018 CMS Dues are \$30 per year per family

Pay online, by mail, or at our meetings.

Mailing Address: Richard Russell

14431 SE 254th St.

Kent, WA 98042

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

To get information to the Tumbler via the Internet send it to greenrockdraggin@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/>



April



| SUN | MON | TUE | WED | THUR | FRI | SAT |
|--|--|---|-----|-----------------------------------|---------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 Show Meeting 6:30 PM Board 7 PM | 10 | 11 | 12 General Meeting 7 PM | 13 | 14 Maplewood Show Racehorse Creek Trip |
| 15 Maplewood Show | 16 | 17 | 18 | 19 | 20 | 21 Lakeside Show Saddle Mtn Trips |
| 22 Lakeside Show Saddle Mtn Trip | 23 | 24 | 25 | 26 | 27 NFMS/Yakima Show | 28 NFMS/Yakima, Grays Harbor, & West Seattle Shows |
| 29 NFMS/Yakima, Grays Harbor, & West Seattle Shows | 30 | We'll be playing Rock Bingo at this month's meeting! | | | | |

CMS Show Committee Meeting: ...Monday, April 9.....6:30 pm to 7:00 pm
 CMS Board Meeting:.....Monday, April 9.....7:00 pm to 8:00 pm
 CMS General Meeting:.....2nd Thursday, April 12.....7:00 pm to 9:00 pm

Lapidary Class Hours:.....By appointment, call to set a time & day for your lesson (425) 226-3154
 Lapidary Shop Hours:.....Most Tuesdays..... 2:00 pm to 5:00 p, call ahead (425) 226-3154
 Lapidary Shop Hours:.....3rd Saturday..... by appointment only (call a few days ahead to set time)

More Field Trip info can be found on Page 7
 More Show info can be found on Page 8



CMS Board Meeting Minutes March 5, 2018



by Pete Williams, 2018 Secretary

Members Attending

| | |
|--------------------------------|----------------------------------|
| <i>President Kat Koch</i> | <i>Treasurer Rich Russell</i> |
| <i>Secretary Pete Williams</i> | <i>Federation Mike Blanton</i> |
| <i>Show Chair Mark Hohn</i> | <i>Past President Bob Pattie</i> |
| <i>Director Roger Daneman</i> | <i>Guests Charlie, Cole</i> |

Meeting called to order at 8:28

The next field trip will be on March 17 to either Salmon Creek or Mayfield quarry. That same day the Mineral Council has a trip to Baker Lake. The Mineral Council will have a field trip planning meeting on March 18 to coordinate collecting sites.

There has been a couple of new members joining the club. Viewership to the web site has doubled. Mark will form a community group for CMS on Facebook. The April general meeting program will be rock bingo. Bob will bring some items from the club inventory. Members will be asked to bring 2 wrapped items. These can include rocks, fossils, crystals, slabs, or tumbled rocks.

The next show committee meeting will be at 6:30 on April 9 at Wendy's in Kent followed by the Board meeting.

CMS Show Meeting Minutes March 5, 2018

by Pete Williams, 2018 Secretary

Meeting called to order at 7:00

This meeting was held at the Green River College site. The committee toured the original area as well as the potential expansion area. Currently 3 vendors are interested in the new area. Only four are needed to break even. The Board voted to rent the expanded area. This can also be used for more displays, demonstrations, and the kids area.

Mark passed out a list of duties for each position. He will look into hiring a person for advertising like the East King Co club did for their very successful show. The committee discussed making signs for each vendors name. Cole will look into using the college facilities.

April 9th Show Committee Meeting

Just a reminder that our monthly Show Committee meeting will be at:

April 9th - Monday
 Wendy's Restaurant, 505 E Smith St, Kent, WA 98030
 Show Committee meeting @ 6:30 pm to 7 pm

This is a status meeting on various areas of the show. Also the time to ask for input from others or to request additional volunteers if you are committee chair.

We need show volunteers so please seriously consider volunteering and attending the Show Committee meeting at 6:30 pm. Hope to see everyone at this meeting.

A Note From The President's Desk...

By Kat Koch, 2018 CMS President

Remember to volunteer for our show!!!!

Let Mark know what you like to do and what you don't like to do. You don't need to head a committee, you can volunteer to be a helper on a committee. There is a spot where your help will be appreciated.

Our show is 5 months away and we need volunteers now, not a few weeks or days before the show. Contact Mark Hohn now to volunteer.

Young Richard's Almanac by Dick Morgan



In explaining to children about the rock cycle, read the technical information and repeat the information in common and easy to understand language. Not just so it is easy for young people to understand, but makes it easy to impart the facts.

It is all right to kid with children, but when teaching them be sure to only impart the truth as these are our future and must be accurate in their decisions.

Judging the science projects of high school students is becoming increasingly more difficult as the exhibits are much more technical and outside the experience of the judges. However judges can still do their job by seeing if the project leads from the idea or question to a logical and accurate conclusion.

Oolites is the scientific term for petrified eggs.

CMS General Meeting Minutes March 8, 2018

by Pete Williams, 2018 Secretary

Meeting called to order at 7:03

Minutes were approved as written.

Treasurer's Report: Doing good. Still accepting 2018 dues. Several flyers were available for upcoming shows.

Tumbler Editor's Report: Doing good.

Webmaster's Report: Have been getting significant increases in page views. Mark did a test on a Facebook ad that showed lots of interest.

Shop Reports: Both the 30 and 18-inch saws are operational. Members have been coming by to use the shop.

Field Trip Report: The next trip is next week at the Mayfield quarry. The Mineral Council is also having a trip that same day to Baker Lake. The April field trip will likely be to Saddle Mountain.

Federation Report: The meeting in Yakima will include some minor modifications to the by-laws. We will also find out at this meeting if our club has any winning entries in the various competitions including website, newsletter, original article, and cartoon. The AFMS endowment fund raffle tickets were being sold at this meeting only.

Mineral Council: There is a meeting at the end of the month in Ellensburg. The main purpose will be to finalize the year's field trips.

Show Committee: The Board decided to rent additional space at Green River College for the show. Three spaces are already sold. We will be needed material from members for the show raffle and kid's area. Angie is coordinating.

New Business: Dick Morgan will be presenting at the South Sound Regional Science & Engineering Fair at PLU.

Program: Jerry's Rock Shop did a presentation on how rocks have been used over time.

Meeting adjourned at 8:19 followed by the show and tell and the raffle.

Displays:

Kat Koch - Amethyst rosette plate, & stilbite on heulandite.

Mike Blanton - Mexican mine specimens, & Morocco specimens.

Bob Pattie - Finished cabochons from neighboring states & additional items.

Richard Morgan - Limb section from Nevada, petrified wood from Saddle Mountain, amethyst from Peru, Garnet from Idaho, hourglass selenite from Oklahoma, algae from the Cambrian Era.

The 20th Annual STEM Fair At Pacific Lutheran University

by Dick Morgan

The STEM Fair, where the brightest and hardest workers in the school present their ideas in words and pictures to be judged for its merits among their peers. Students from kindergarten to 12th grade presented their projects for the judges to pick the best from all the worthy projects.

On March 24, Pat, Keith and I packed our toolbox of specimens in the van and traveled to PLU to entertain the students and parents during setup time. So we explain the cycle that allowed the formation of the minerals, rocks and fossils. We get paid by the smiles on the faces of the audience.

We were asked if it took more time to set up or pack up, the explanation was that as soon as we opened the toolbox people were there asking to see different things and as we explain the items it does take some time to set up. But as we pack up many people would come and say, "I was busy all day could you show me your presentation?" We start at 8:30 in the morning with the set-up and start packing up at 3:00 pm, but we have never gotten out of the auditorium before 4:30 pm.

It is well worth it as the smiles and thank yous make a person seem fully rewarded.



Slickensides refers to rock masses that have become polished by moving past another rock mass on a fault zone.

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

from Rockhound Rambling, 7/17

2018 Cascade Gem and Mineral Show March Update by Mark Hohn

Our next show committee meeting will be before the board meeting on April 9th, 2018 at Wendy's at 505 E Smith, Kent, WA 6:30 PM. We will meet prior to the monthly board meeting. If you are interested in helping organize and plan the show please attend. Show committee meeting starts at 6:30 with the board meeting after, you are welcome to attend one or both meetings. If you are interested in helping organize and plan the show please attend.

As of today, we have had 18 vendors register and purchase a total of 33 booths. We have sold all but three of our inside booths. We still have 7 outdoor booths under a covered area that are still available. At last month's board we approved renting additional space at Green River College. We have rented the Market space adjacent our Grand Hall venue. We were able to acquire enough space to add 8 additional 10 x 10 Booths and space to have our demonstrators in a nice wide-open space. I am currently filling the new space with vendors on my wait list.

Committed Vendors for our show:

| | |
|--------------------------|---------------------------------|
| Maple Tree Lapidary | The Worlds Fossils and Minerals |
| R&T Crystals | Addis-sea Gemsparkley |
| Grand Products Co., Ltd. | Tipps Gems |
| Rare Earth Studios | Candi's Jewelry and Gifts |
| Chiming Rock | Gem Nest |
| Turquoise Jim | Stone Styles |
| Bohemian Minerals | Mineral Endeavors |
| Cascade Scepters | Peace of the Earth Jewelry |
| Enisa's Jewelry | Cosmic Earth Elements |

We still need volunteers. Below is a list of volunteers that have agreed to assist and I really appreciate their support. I have also listed several areas we still could use some help in organizing and pulling the show together.

SHOW CHAIRMAN Co-Chairs: Mark Hohn & Kat Koch
 SHOW COMMITTEE SECRETARY/TREASURER Pete Williams
 FACILITIES & SHOW SET-UP AND DISMANTLE MANAGER Charles Benedict
 FACILITIES Manager Mark Hohn
 VENDOR MANAGER Kat Koch
 DISPLAY CASES & VISUAL MANAGER Roger Danneman
 DEMONSTRATOR MANAGER Rich Russell
 SILENT AUCTION & CLUB SALES MANAGER Mike Blanton
 YOUTH AREA COMMITTEE MANAGER Roger Pullen / June Murff
 WEBSITE/PROMOTIONS MANAGER Mark Hohn
 DOOR PRIZE AND SCHOLARSHIP RAFFLE MANAGER Need Help
 PARKING & SIGNAGE MANAGER Need Help
 COMMUNITY OUT-REACH MANAGER Mark Hohn
 ROCK WRANGLER Angie Bayer

We cannot have too many volunteers! If you want to assist in any area above reach out to myself, Kat or the person listed above for the area you're interested in. As we get closer to the show we will schedule the actual positions and help needed during the show.

The current Show page can be found at: <https://www.cascademineralogicalsociety.org/cascade-gem-mineral-show/>

The Show page is updated as vendors register so you can see the location of vendors in the facility. Vendors are announced on the show Facebook page <https://www.facebook.com/cascadegemandmineralshow/> The Facebook page is a good place to keep updated with news and vendor announcements prior to the show. Please like so you can stay informed.

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.

Demonstrators: We are reserving space for demonstrators during the show. If you, or someone you know, might be interested in doing a demonstration session please contact Rich. richru1@yahoo.com

Kids area: Roger and June have volunteered to work on the kids program area for the show. If you want to help with this task please reach out to Roger or June. June.d.murff@boeing.com

Connect with us!

Website: www.cascademineralogicalsociety.org

Club Facebook: www.facebook.com/CasMinSoc/

Show Facebook: www.facebook.com/cascadegemandmineralshow

Instagram: www.instagram.com/cascadegemandmineralshow/

Mark Hohn CMS Show Chair 253-332-3736 showchair@cascademineralogicalsociety.org

Kat Koch CMS Co-Chair President KatKoch@cascademineralogicalsociety.org

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.

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

April 14 *Darrington Rock Club - Racehorse Creek* - Hwy 542 at Rnd Abt 10 m I-5 9:00 am - Fossils & Morell mushrooms - Bring digging & hard rock tools

April 21 & 22 *All Rockhounds Pow Wow - Saddle Mountain* - Mattawa W Boat Launch 8:00 am - Petrified Wood - Bring digging & hard rock tools
Larry Vess vessel3755@gmail.com or (253)473-3908

CMS April Field Trip

April 21st, 2018 - Saddle Mountain

Meet at the Shell Station, 723 Government Road, Mattawa, WA 99349

Group will leave promptly at 10:00 AM so don't be late!

From Renton it's approx. a 3 hr drive (155 miles).

Petrified Wood - Bring digging and hard rock tools, buckets, and sturdy shoes. Bring a jacket because if it's windy it can get chilly. Road can be rough going up to the dig sites.

Field trip guide will be Dennis Batchelor (360-870-8741) from the Puyallup club as Roger from CMS will be out of town.

The Twentieth Annual South Sound Regional Science & Engineering Fair

by Keith Alan Morgan

Saturday, March 24, we headed down to PLU to display rocks, minerals & fossils at the science fair. My dad figures he's been doing this for 12 or 13 years. I've only been doing it when his back problems started and he needed someone to push his cart of rocks around. Still it's a fun event to attend.

We are one of a variety of groups who have displays. Through the day different grades are setting up their science projects, being judged, and then taking them down to make room for the next grades' projects, but it's not as busy as that sounds because there are varying amounts of time where they have nothing to do, so the displays give them and their parents something to look at while they are waiting. We also get judges and the people putting on the science fair come by as well.

One problem with having specimens that can be handled is that after a while damage can happen. One gal picked up an amethyst and some pieces fell off. She felt guilty and we explained that a lot of people had handled it, so it wasn't her fault.

Had a number of people ask about where and when our club meets. Hopefully some of them will show up at a meeting.



How Do You Say That? "Psilomelane"

Silo-melane? Pasi-lomelane? Who knows? However you say it, psilomelane is manganese oxide, containing barium and potassium. It looks similar to hematite and polishes up beautifully. Unlike when working with hematite it is a good idea to be careful (gloves and dust mask), especially if grinding, because its barium content can make it slightly toxic. Its name is from the Greek meaning "smooth" and "black." It is an important ore of manganese with large deposits in England and in Vermont, Virginia, and Arkansas.

via BackBender's Gazette, 8/16; via Stoney Statements, 7/16; via The Glacial Drifter, 6/16; via OMGS The Sooner Rockologist, 5/16; from T-Town Rockhound



Shows



April 7 & 8: Saturday 9 am - 5 pm; Sunday 10 am - 3 pm
Springfield Thunderegg Rock Club, 61st Annual Rock and Mineral Show
Goshen Grange
85628 Dillard Access Rd.
Eugene, Oregon

April 13 - 15: Friday & Saturday 9 am - 6 pm; Sunday 10 am - 4:30 pm
Willamette Agate & Mineral Society, 64th Annual Rock and Gem Show
Polk County Fairgrounds
520 S. Pacific Hwy
Rickreall, Oregon

April 14 & 15: Saturday 9 am - 5 pm; Sunday 10 am - 5 pm
Maplewood Rock and Gem Club, April Sale
Maplewood Rock and Gem Clubhouse
8802 196th ST SW
Edmonds WA

April 21 & 22: Saturday 10 am - 5 pm; Sunday 10 am - 4 pm
Lakeside Gem & Mineral Club, Annual Rock & Mineral Show
Benton Franklin County Fairgrounds
1500 S. Oak
Kennewick, WA

April 27 - 29: Friday & Saturday 10 am - 6 pm; Sunday 10 am - 4 pm
NFMS & Yakima Rock & Gem, 80th Annual Show
Central Washington Fairgrounds
Modern Living Building
1301 South Fair Avenue
Yakima, WA

April 28 & 29: Saturday 10 am - 5 pm; Sunday 10 am - 4:30 pm
Grays Harbor Geology and Gem Society, 50th Annual Earth Treasures Rock Show
Grays Harbor Fair Grounds
43 Elma-McCleary Road
Elma, WA

April 28 & 29: Saturday 10 am - 5 pm; Sunday 10 am - 5 pm
West Seattle Rock Club, 51st Annual Rock Show
Alki Masonic Temple
4736 40th Ave. SW.
Seattle, WA



A Dinosaur's Crabby Poop Surprises Scientists by Jim Brace-Thompson

Karen Chin studies poop. Fossil poop, that is. More genteelly referred to by scientists as “coprolites”. Formerly a local gal as a professor at UC Santa Barbara, Karen is now a paleontologist at the University of Colorado, Boulder. In studying 75-million-year-old coprolites left by hadrosaurs (duck-billed dinosaurs) in Utah’s Grand Staircase-Escalante National Monument, she discovered that these herbivores weren’t entirely herbivorous after all. Slicing, dicing, and examining their coprolites, Karen found evidence that in addition to plants they ate crustaceans and decomposing logs that may have housed tube worms and other critters. Not exactly the bloodied stuff of Tyrannosaurus rex, but a surprise nonetheless. It’s hard to be vegan 100 percent!

from Rockhound Rambling, 10/17