

The CMS Tumbler

September
2025

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

Next Meeting:
September 11, 2025
7:00 p.m.

American Legion Hall
25406 97th Pl S
Kent, WA

The Program is Things
Found in Amber

The Show & Tell
Theme is Amber or stones
that appear to have
something inside

Table of Contents

Calendar.....	5
Cartoon.....	5
Board Minutes.....	6
General Minutes.....	6
From the Top of the Rock Pile.....	6
Picnic Report.....	7
Rock Houses.....	9
Bubblegum Agate.....	9
Young Tumblers News.....	10
Field Trips.....	11
AI Photo.....	11
Shows.....	12



Connect with us!

Website: <https://www.cascademineralsociety.org>
Club Facebook: <https://www.facebook.com/CasMinSoc/>
Facebook Groups: <https://www.facebook.com/groups/1168207926650075>
Show Facebook: <https://www.facebook.com/cascadegemandmineralshow>
Instagram: <https://www.instagram.com/cascaderockclub/>
YouTube Channel (Please like and subscribe):
https://www.youtube.com/channel/UCaGIJxaWFatV_JjgZRm9ESA

This month remember to wish a Happy Birthday to

Sebastian Anderson on September 1
Angie Bayer on September 4
William Potts on September 4
Robert Merriman on September 5
Rheya Werts on September 5
Tia Lee on September 6
Vincent Larson on September 7
Ana Dobner on September 8
Ted Harrison on September 9
Jonathan Cameron on September 10
John Meier on September 10
Kelly Reed on September 10
Linda Lingle on September 11
Claudia Velland on September 12
Mark Marter on September 13
Jon Niegowski on September 13
Jude Niegowski on September 13
Kate Tokmakova on September 14
Jarrod Da on September 15
Jim Wangelin on September 17
Tasha Albrecht on September 18
Kari Crockett on September 19
Jennifer Rankin on September 25
Aaron DeSelms on September 26
Maylee Marter on September 28

and also remember to wish a Happy Anniversary to

Brian Oliver & Dian Davis on September 9
Megan & Robert Brandl-Blake on September 13
Kelly & Brittany Reed on September 14
Ted Harrison & Connie O'Neill on September 16 (7 years)
David & Theresa Hall on September 20
James Starke & Travis King on September 27
Paul & Megan Wasley on September 27

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.

Membership Mailing Address:
c/o Ananda Cooley
300 Lenora Street
PMB 6145
Seattle, WA 98121

Keith Alan Morgan, Editor
3802 W Tapps Dr. E
Lake Tapps, WA 98391

Postal, or Email, Exchange
Bulletins are welcome.
Email preferred.
greenrockdraggin@yahoo.com

2025 Elected Officers

President Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Vice President Noelle Barnes	206-914-0514	geonoelleb@outlook.com
Treasurer Ananda Cooley	206-683-7787	cascademstreasurer@gmail.com
Secretary Pete Williams	425-228-5063	petewill02@gmail.com
Director 1 – At Large Lee Oliver	253-878-2151	loliver4252000@gmail.com
Director 2 - Field Trips Roger Danneman	425-228-8781	roger.danneman@gmail.com
Director 3 – At Large Programs Paul Ahnberg	941-704-2063	runhikebird@icloud.com
Director 4 - At Large Richard Russell	253-736-3693	richru1@yahoo.com
Director 5 - At Large Linda Jorza	206-478-1642	ljorza@gmail.com
Past President Malcolm Wheeler Sr.	253-569-5185	facetguru@aol.com
Show Coordinator Lee Oliver	253-878-2151	loliver4252000@gmail.com
Postage Stamps Michael Blanton	425-271-8757	mblanton41@hotmail.com
Mineral Council Diana Horsfall	425-226-3154	dianahorsfall@comcast.net
Mineral Council Ananda Cooley	206-683-7787	cascademstreasurer@gmail.com

2025 Show Committee Chairs

Cascade Coordinator Lee Oliver	253-878-2151	loliver4252000@gmail.com
Cascade Co #2 Michele Maidman	206-395-5270	maidmmm@yahoo.com
Cascade Co #3 Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Book Display Cases		
Show Display Cases Roger Danneman	425-228-8781	Roger.Danneman@gmail.com
Mail Flyers Michele Maidman	206-395-5270	maidmmm@yahoo.com
Show Treasurer Pete Williams	425-228-5063	petewill02@gmail.com
Show Silent Auction Richard Russell	253-736-3693	richru1@yahoo.com
Show & Raffle Donations Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Show Volunteer Recruiter		
Show Website Kat Koch	425-765-5408	vendorchair@cascademineralogicalsociety.org
Show Vendor Chairman Kat Koch	425-765-5408	vendorchair@cascademineralogicalsociety.org

2025 Committee Chairs

Club Historian Jim Cerenzie	253-638-1478	jcerenzie@yahoo.com
Donations Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Field Trip Roger Danneman	425-228-8781	Roger.Danneman@gmail.com
Health & Welfare Bev Williams	425-228-5063	britbev1957@outlook.com
Library Diana Horsfall	425-226-3154	dianahorsfall@comcast.net
Meeting Greeters Angie & Brian Bayer	253-569-0245	angiemc61@msn.com
Meeting Programs Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Membership Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Newsletter - Tumbler Editor Keith Alan Morgan	253-316-9935	greenrockdraggin@yahoo.com
Shop Instructors (Temp) Roger Danneman	425-228-8781	roger.danneman@gmail.com
Shop Reservations – <i>Winter Shop Closed</i>		
Public Relations Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
Refreshment Angie & Brian Bayer	253-569-0245	Text to her number (no email)
Raffle Master Jarrod Da	425-306-2501	jarrod.da@comcast.net
Show & Tell John Cornell	253-335-3617	outhouse2hole@gmail.com
Webmaster Gina Manso	425-281-3502	ginamanso51@gmail.com
Facebook Group Roger Danneman	425-228-8781	Roger.Danneman@gmail.com
Facebook Club Page Gina Manso	425-281-3502	ginamanso51@gmail.com
Instagram Gina Manso	425-281-3502	ginamanso51@gmail.com
All Other Social Media Kat Koch	425-765-5408	president@cascademineralogicalsociety.org

2025 CMS Dues are \$30 per year per family

Pay online, by mail, or at our meetings.

New mailing address: Cascade Mineralogical Society, c/o Ananda Cooley, 300 Lenora St. - PMB 6145, Seattle, WA 98121

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 Lands Access Association; and the Washington State Mineral Council.

Our Club is a Member of these Federations and Associations

ALAA: The American Lands Access Association, Inc. represents the rockhounding interests of 325 gem & mineral clubs/societies in 47 States and the District of Columbia.

The association's purpose is to promote and ensure the rights of amateur fossil and mineral collecting, recreational prospecting, and mining. The use of public and private lands for educational and recreational purposes. They also carry the voice of all amateur collectors and hobbyists to our elected officials, government regulators, and public land managers. <http://amlands.org>

The front page also has a lot of current news, rockhounding restrictions or lack of, etc. <http://amlands.org>

ALAA also publishes a quarterly newsletter. To keep up on the news and lobby efforts on our behalf, check out <http://amlands.org>



Washington State Mineral Council: The Washington State Mineral Council is dedicated to the location and conservation of rock and mineral sites of interest to the rockhounds of Washington state. <https://mineralcouncil.wordpress.com/>

You can find local rock and gems shows and planned field trips. It's a great resource if you want to plan on an outing.

Also check out "Misc. News" for all the latest updates on collecting sites around Washington. <https://mineralcouncil.wordpress.com/news-updates/>

When the weather is good, they have regular monthly field trips. So take advantage of these great outdoor rockhounding adventures! The field trip details are under "Field Trips" on the left side of the site. Check out the link for additional information for the time and place to meet and the field trip leader.

You can find all this information and a whole lot more about what is happening in our state at <https://mineralcouncil.wordpress.com/>



Rockhounding Code of Ethics

I will respect both private and public property and will do no collecting on privately owned land without permission from the owner.

I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.

I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.

I will use no firearms or blasting material in collecting areas.

I will cause no willful damage to property of any kind such as fences, signs, buildings, etc.

I will leave all gates as found.

I will build fires only in designated or safe places and will be certain they are completely extinguished before leaving the area.

I will discard no burning material - matches, cigarettes, etc.

I will fill all excavation holes which may be dangerous to livestock.

I will not contaminate wells, creeks, or other water supplies.

I will cause no willful damage to collecting material and will take home only what I can reasonably use.

I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.

I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.

I will cooperate with field-trip leaders and those in designated authority in all collecting areas.

I will report to my club or federation officers, Bureau of Land Management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.

I will appreciate and protect our heritage of natural resources.

I will observe the "Golden Rule", will use Good Outdoor Manners and will at all times conduct myself in a manner which will add to the stature and Public Image of Rockhounds everywhere.

from the AFMS website

CONTENT DISCLAIMER

This publication is provided "as is" without warranty of any kind, either express or implied, including, but not limited to, fitness for a particular purpose; the technical data was derived from other sources, and the author has no way of knowing their accuracy.

This publication could contain technical inaccuracies or typographical errors. Changes are periodically added to the information herein; these changes will be incorporated in future revisions of this publication. The author, editor, or the Cascade Mineralogical Society shall not be liable for any incident or consequential damages, lost profits or data, or any indirect damages caused by using this publication's information.

To get information to the Tumbler via the Internet send it to greenrockdraggin@yahoo.com Please put the word "Tumbler" and subject in the Subject Line. The deadline is the 20th of each month.

We Need Your Canceled Postage Stamps

Our club is going to continue to collect canceled postage stamps. Even though we are no longer members of the NFMS, we will continue to collect them and turn them over to the NFMS. They have a stamp company that buys them, and these funds are donated to cancer research. Every year NFMS donates around \$2,500.

On letters that you receive, tear the corner with the stamp off. Try to leave about 1/4" of the envelope around the stamp. Be careful not to damage the stamp.

Place the stamps in a plastic baggie and bring them to the meeting. Our member, Mike Blanton, collects the stamps and will turn them over to the NFMS. You can give them to Mike as often as you want throughout the year.

Collecting the stamps is another way we Rockhounds give back to our community.



Don't Forget To Show Your Membership Card At These Retailers

JERRYS ROCK AND GEM
 804 WEST VALLEY HWY. KENT, WA. 98032
jerrysrockandgem.com jerrysrockandgem@msn.com
 Follow us on Facebook **253-852-0539**

Black Jack's Metal Detectors
 AND MINING EQUIPMENT!

Black Jack's Metal Detectors
 Mining Equipment, Low Pressure Dive, & Rock Shop!
www.BlackJacksMetalDetectors.com
 Your place for Metal Detecting & Mining Equipment

101 Park Ave N,
 Renton, WA. 98057
 Store # 425-430-0290
 Direct # 253-961-3095



SoDo Rocks

Friday thru Sunday
 10 am to 4 pm

2700 4th Ave S, Seattle, WA 98121

These three retailers are huge supporters of our club. Please seek them out when looking for lapidary items and supplies.

Don't forget to show your membership card and receive a 10% discount on most items!

New for Members Only – New Texting Service

We are busy and often forget that CMS has an upcoming meeting or event. Therefore, we have a texting service to remind members of CMS meetings and events.

Everyone is automatically entered into this service. You can opt out anytime by responding with STOP.



Access CMS Club Instagram page



For quick access, you can scan the following codes.

Access our CMS YouTube channel







Access our CMSclub website for the latest on meetings and club events



Access CMS Facebook Groups



September

Sun	Mon	Tue	Wed	Thur	Fri	Sat
<div>Readin' Ritin' Rithmatic</div>	1	2	3	4	5	6 Frost Mtn Trip 2 Shows
7 Pow Wow Trip 2 Shows	8 Board Meeting 7:00 pm	9	10	11 General Meeting 7:00 pm	12	13
14	15	16	17	18	19	20 Puyallup Club Trip
21	22	23	24	25	26 Teaway & Red Top Trip	27 Teaway & Red Top Trip
28 Teaway & Red Top Trip	29	30				

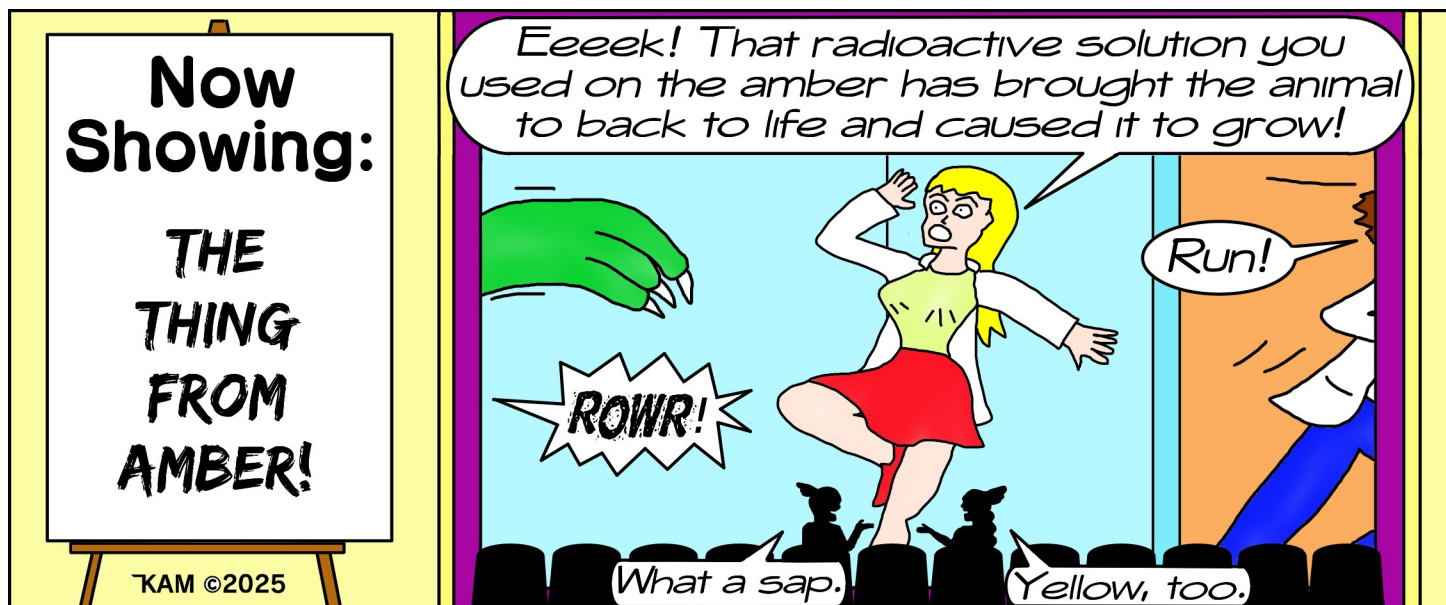
CMS Show Committee Meeting:...Monday, September 8.....6:30 pm to 7:00 pm

CMS Board Meeting:.....Monday, September 8.....7:00 pm to 8:00 pm

CMS General Meeting:.....2nd Thursday, September 11.....7:00 pm to 9:00 pm

More Field Trip info can be found on Page 11

More Show info can be found on Page 12



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

CMS Board Meeting Minutes August 11, 2025

by Pete Williams, 2025 Secretary

Attendees: Kat Koch; Pete Williams; Rich Russell; Mike Blanton; Paul Arhnberg; Diane Horsfall; Noelle Barnes; Linda Jorza; Roger Danneman

Meeting Called to order: 7:03

Our show was the most profitable we have had. We may have to reduce vendor fees next year if it becomes difficult to get them to sign up due to a recession.

We are still waiting for an estimate on the cost of bringing electricity to the new shop on Roger's property. The August meeting will be our picnic at Lake Wilderness Arboretum. The club will furnish the main dish. We will need to find a new location to have the picnic next year as the arboretum may not let us use the space next year. The September meeting program will be on amazing things found in amber other than insects.

Kat has received no response from the Washington State Fair on the possibility of our club having some form of participation. Valley Medical Center is removing the display cases in the lobby so we will not be able to have a display there.

Meeting adjourned at 7:35

CMS Club Picnic Minutes August 16, 2025

by Pete Williams, 2025 Secretary

With heavy rain the day before, there was some concern about having an outdoor picnic. However, it turned out to be a dry day with even the sun peaking out a few times. Around 40 members enjoyed great food and even better company.

The auction was a success with 64 lots and 21 winning bidders generating over \$1100 for the club.

From Atop the Rock Pile

by Kat Koch, 2025 President

Our annual club picnic went off great. The grass and Arboretum area was not wet or muddy, plus it didn't rain while we were there. We had the usual club members attend, plus a few new faces. I forgot to count how many people attended, but I estimate around 40. Thank you, Angie and Brian, for shopping for the food and setting everything up.

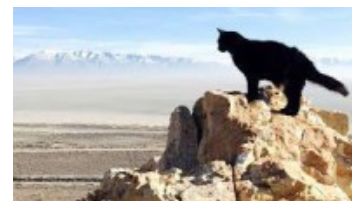
Thumblers Tumblers donated a tumbler for our picnic auction and another one for our holiday auction in December. The new double-barreled 15# tumbler sold for \$120, approximately one-third the retail price. Rich faceted a beautiful Swiss Blue Topaz set in sterling silver, retail value \$1,000. The fabulous necklace went to Pete for Beverly for \$220! Rich always facets a stone set in sterling silver for our auctions. Everyone is always excited to see what he has made to be auctioned. He usually has a couple more necklaces in his back pocket that he is willing to sell at a great price to members. John and Dave Cornell donated a lot of cut and polished rocks.

The auction brought in \$951.75 for our club treasury, plus our young tumblers spent \$41 in Rock Bucks. One young man bought a whole bucket of rocks for \$1! He was so excited. Our auctions help cover expenses, so we don't have to raise our annual dues. Thank you to everyone who made the auction a success.

December 7th is our holiday party. So make plans now to enjoy dinner, the election of officers, and the club auction. As you can see, our club auctions are an excellent opportunity to pick up items at a fraction of the retail value.

I will not be running for president this time around. After 11 years, I am retiring, and Noelle is going to be running for president. I am confident that she will make an awesome president. We are looking for a Vice President for a 2-year term. It is not a big job, so you don't have to worry about it taking up a lot of your time. If you are interested in running, please get in touch with Kat or Pete Williams.

The other position we need filled is Show Chairman for 2026. Kent Commons is a lot easier venue to produce a show at. I will be booking the vendors again, writing the website, and handling payments. We also no longer have a club sales booth, so that is a lot less work. Many of the other areas, like the silent auction, raffle case, and rounding up volunteers to help during the show, have lead volunteers that have signed on.



Welcome
New Members

If you're a new member, we're thrilled to have you join our fantastic rock club! Your presence at our monthly meetings is highly valued, and we encourage you to take the opportunity to introduce yourself. I look forward to meeting you.

Since our membership continues to grow weekly, I hope more members will attend our monthly meetings. The larger our meeting attendance is each month, the easier it will be to book quality speakers.

When planning your estate, we invite you to consider donating to our club. We accept various types of gifts, including cash, stocks, real estate, and other assets. All property and monetary donations will be held in our savings account to help us acquire and operate an indoor shop, as well as a space for monthly club meetings. I appreciate your support!

2025 Meetings

September 11th – Amber – The Most Amazing Discoveries Found in Amber

We are going to show a video of the most unusual and amazing things found in Amber. It isn't just insects.

Show 'n Tell: An item that has something trapped inside or a picture rock, thunder egg, or geode that looks like it has an insect, animal, scenery, or face inside.



October 9th - Tom Prang on Archeology & Geology

Many of our members may recognize Tom as a vendor from our gem show and many other shows. His booth is "A Point in Time."

I've given him the freedom to discuss whatever interests him, and he is always fascinating to listen to at his show booth. This meeting promises to be both informative and engaging.

Show 'n Tell: A fossil of any type.



California Rainbow Obsidian

November 13th - Glen Ripper on Obsidian

Glen is a leading authority on Obsidian. He is a walking encyclopedia, which should make this an enjoyable and educational meeting.

Show 'n Tell: Obsidian - let's see your colors.



Club Picnic Report by Roger Danneman, photos by Lauri

Our annual picnic was held on Saturday Aug. 16th. It was a great club gathering with lots of good food and rocks/jewelry/items that went into the auction for raising funds toward our shop. We had about 38-40 people there (hard to

get a firm count when everyone is moving about). Thanks so much to Angie and Brian for setup (tables, b-b-q for hot dogs, eating utensils, etc.), John and Dave for bringing a lot of cool rocks/slabs/buckets. Charley for getting the venue and golf cart to run stuff & people back and forth. And Rich for running the auction. Sorry if I missed any particular credos. We did have a lot of participation from the group. Very fun and beautiful weather to boot. Thanks Lauri for taking all these pictures and to all who participated with their generous bids.



The Rock Houses by Kat Koch

Cappadocia, Turkey

Cappadocia is a historical region in Central Anatolia, Turkey, known for its unique landscape of fairy chimneys and rich cultural heritage. The area was formed 60 million years ago by the erosion of soft layers of lava and ash from Mount Erciyes, Mount Hasan, and Mount Güllü, shaped by wind and rain over millions of years. Human settlement in the region dates back to the Paleolithic era, with the Hittites being one of the earliest known inhabitants around the 18th century BC.

Cappadocia has been influenced by various civilizations throughout history, including the Persians, Romans, Byzantines, and Seljuks. The region was an important center for Christianity, with many churches and monasteries carved into the rock, providing a safe haven for Christians fleeing persecution. The name Cappadocia is derived from the Persian term "Katpatuka," meaning "land of beautiful horses," reflecting its historical significance as a major equine center.

During the 12th century, Cappadocia came under the control of the Seljuk Turks, and later, the region was part of the Ottoman Empire. The last Christians in the region migrated due to the Treaty of Lausanne in 1924-26, leaving behind beautiful architectural examples.

Bibliography: Wikipedia, History of Cappadocia, Freepiks, Pinterest.



Church



Older Homes



More Recent Homes

This Bubblegum Is Hard On The Teeth! by Kat Koch

The other day, I was watching a YouTube channel on rockhounding, and they were out collecting Bubblegum Agates. I had never heard of this agate, so I went Internet rockhounding.

They were named bubblegum because the rough agates resemble a wad of chewed bubblegum. These agates are found in the Buffalo Gap National Grasslands, and the Black Hills of South Dakota, and Deming, New Mexico. Bubblegum agates are sometimes overlooked in the rough form; they often do look like plain, rather monotone (pinkish-beige) chunks of chewed and discarded bubblegum.

This agate is a banded form of finely-grained, microcrystalline quartz. The lovely color patterns and banding make this translucent gemstone very unique. The real magic of bubblegums often doesn't show until you tumble polish them, when the gorgeous patterns underneath are revealed. These agates can have many distinctive styles and patterns, but each agate has its unique pattern, with no two agates being the same.

Bibliography: Mineral.net, South Dakota Birds, Rock and Gem Magazine, Steiner Projectile Point.



Bubblegum Agate - Rough



Bubblegum Agate - Polished

Labradorite - Stone of the Northern Lights

Labradorite, a feldspar mineral, is famed for its labradorescence - a dazzling optical phenomenon that displays flashes of blue, green, and gold as light moves across its surface. Discovered in Labrador, Canada, and also found in Finland and Madagascar, this stone is often associated with magic and spiritual awakening. Its play of colors has earned it a place in jewelry and as a collector's favorite. Labradorite is said to inspire creativity and shield against negativity.

from CBRGC Newsletter, 1/26/25

Young Tumblers News

Rock Bucks

Just a reminder that all Young Tumblers under 15 can easily earn "Rock Bucks."

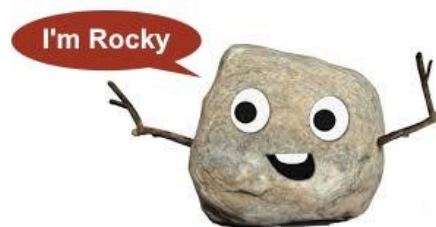
Earn \$3 "Rock Bucks" to attend a meeting.

You can earn an additional \$5 in "Rock Bucks" if you bring something for Show 'n Tell and tell us about your item.

The "Rock Bucks" can be spent like real money at our meetings or club auctions.

You can save your "Rock Bucks" during the year and spend them just like cash on auction items you would like, or you can buy raffle tickets at our monthly meeting.

Join us at our meetings and build your rock-buying piggy bank!



Rockhounding Tools and Stuff by KAM

Some items that can be helpful to have on a rock trip. Two word items will appear in the puzzle as one word. Items can be found forward, backward, up, down and diagonal.

S	V	N	Y	S	E	G	A	D	N	A	B	Q	V	Z
X	F	H	P	Z	J	K	L	N	B	B	R	C	S	P
Z	R	K	D	W	U	E	G	M	J	D	K	E	R	R
C	I	V	C	Y	S	F	D	G	Z	F	S	Y	P	E
A	E	F	R	I	E	X	O	H	T	S	B	H	W	M
R	N	J	H	W	T	J	Q	B	A	A	O	X	J	M
R	D	C	D	K	H	S	V	L	R	T	F	G	M	A
Y	S	A	F	E	T	Y	G	O	G	G	L	E	S	H
B	N	Z	E	P	Q	N	X	N	K	L	P	B	U	K
A	D	J	F	R	U	Z	R	V	I	U	O	J	Q	C
G	S	U	N	S	C	R	E	E	N	K	U	V	D	O
Q	H	X	J	Q	G	W	O	M	T	U	L	W	E	R
W	Z	L	E	V	O	H	S	M	F	A	V	A	K	S
V	K	W	M	Q	D	P	N	J	H	G	W	Q	W	J
N	E	E	R	C	G	N	I	T	F	I	S	P	K	X

Bandages
Carry Bag
Chisel

Friends
Gloves
Hat

Pry Bar
Rock Hammer
Safety Goggles

Sifting Screen
Shovel
Sunglasses

Sunscreen
Walking Stick
Water

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 information from the Washington State Mineral Council webpage (<https://mineralcouncil.wordpress.com>).

September 6

Cascade Mineralogical Society - Frost Mountain - Agate, Jasper, Crystal, Geodes.

Difficulty Rating 3. This is a long & rough forest service road with a 2/3 mile hike and some elevation gain from parking area. Crystal Geode fragments can be found on the surface but the nicest material here is unusual formations of jasper/agate/crystal known as Tahoma Agate found in the hard rock outcrops.

Roger Danneman roger.danneman@gmail.com; 425-757-3506 (texts ok)

September 6 & 7

Pow Wow Rock Club - Red Top - Meet before 8 am Teanaway Camp Ground - Agate, jasper, geodes - Bring digging & hard rock tools

Larry Vess vessel3755@gmail.com or (253)473-3908

September 20

Puyallup Rock Club - Little Naches - Meet before 10am at intersection of Hwy 410 & FR 92 -

Thunder eggs, fossils, lily-pad jasper - Bring shovel and a small bar

Nate White (206)349-7054 nate.white77@gmail.com

September 26-28

Cascade Mineralogical Society - Teanaway River campout and Red Top sites - Agate, Jasper, Crystal, Geodes.

Difficulty Rating 4. Lower dig site is a short hike up a steep slope. Upper site is a 1/2 mile hike with some elevation gain. Camping is on Fri and Sat nights, but people are welcome to come up just for the day on Sat.

Roger Danneman roger.danneman@gmail.com; 425-757-3506 (texts ok)

Fossilised vomit exists and specimens are called regurgitalites. They are valuable to paleontologists as they show what prehistoric animals were eating.

AI Generated Photo by Kat Koch, President

My grandson was visiting and showed me a photo of him and his fiancée that he asked AI to generate. I was fascinated as to how AI knew what they looked like.

So I asked ChatGPT to generate a photo of me. I only thing I told it is that I had a significant other and we enjoy rockhounding.

The photo to the right is what it created.

Now my question is how did it know I had red hair and that Mike had a beard?

Things that make you go hmmm.....

Quartz - Master Healer of the Mineral World

Quartz, one of the most abundant and essential minerals on the planet, has been revered across civilizations for its clarity, durability, and energetic properties. Found in diverse geological formations, from deep volcanic pockets to sedimentary deposits, quartz occurs in nearly every environment on Earth. Significant sources include the rugged mountains of Brazil, the vast caves of Arkansas, and the mineral-rich sands of Madagascar. It is a cornerstone in both industrial applications and crystal healing practices, playing a key role in watches, electronics, and optical equipment. Whether it's the luminous transparency of rock crystal, the smoky depth of smoky quartz, or the gentle hues of rose quartz, this mineral continues to captivate geologists, jewelers, and metaphysical practitioners alike. from CBRGC Newsletter, 2/28/25

The ancient Greeks thought that quartz was permanently frozen ice.



Shows

September 6 & 7: Saturday 10 am - 5 pm; Sunday 10 am - 4 pm
Southern Washington Mineralogical Society, 58th Annual Show
Cowlitz Co. Fairgrounds Events Center
1900 7th Ave
Longview, WA

September 6 & 7: Saturday & Sunday 10 am – 5 pm
Marcus Whitman Gem & Mineral Society Annual Show
Walla Walla County Fairgrounds Pavilion Event Center
363 Orchard Street
Walla Walla, WA

Wulfenite by Jessica Himple

Wulfenite, a vibrant mineral composed of lead molybdate (PbMoO_4), is renowned for its striking orange, red, and yellow hues. Discovered in the 18th century, it was named after Austrian mineralogist Franz Xavier von Wulfen, who studied its properties extensively. First identified in the lead mines of Austria, wulfenite became a prized mineral among collectors due to its unique tabular crystal shape and brilliant colors. Beyond its aesthetic appeal, it has historically been an important ore of molybdenum, a metal critical for strengthening steel and enhancing its resistance to corrosion.

This mineral forms in the oxidation zones of lead deposits and is often associated with other minerals like galena and pyromorphite. Some of the most famous deposits of wulfenite are found in the United States, particularly in Arizona's Red Cloud Mine, which produces some of the finest specimens in the world. Interestingly, wulfenite crystals can also exhibit a striking translucence, making them highly sought after by collectors and museums. Its perfect cleavage and relatively low hardness, however, make it fragile, requiring careful handling to preserve its beauty.

Aside from its scientific and industrial significance, wulfenite has some fun and fascinating attributes. For example, its vibrant orange and yellow varieties have earned it the nickname "butterscotch ore". Despite being relatively rare, wulfenite's dazzling appearance makes it a favorite in mineral shows and exhibitions. It has even been designated the official state mineral of Arizona, highlighting its cultural and geological importance. Whether admired for its aesthetic appeal or valued for its role in industry, wulfenite remains one of the most eye-catching and intriguing minerals in the world.

from Northwest Newsletter, 12/24

Calcite by Jessica Himple

Calcite is a common yet fascinating mineral found in a variety of geological settings, from sedimentary rocks to hydrothermal veins. Composed of calcium carbonate (CaCO_3), calcite has played an important role in human history, particularly in the fields of architecture and art. The ancient Egyptians, Greeks, and Romans used calcite extensively to carve sculptures, make pigments, and construct temples and buildings. Perhaps its most notable historical use is in the construction of the Great Pyramids of Giza, where blocks of calcite, also known as alabaster, were used for their smooth and reflective qualities, giving the structures a shimmering appearance in the sunlight.

In addition to its historical significance, calcite stands out due to its unique optical properties. One of the most intriguing characteristics of calcite is its ability to demonstrate double refraction. When a clear piece of calcite is placed over text, the words appear doubled—this optical phenomenon occurs because light traveling through the crystal is split into two separate rays. This property has made calcite essential in scientific instruments, especially during the 19th century, when it was used to create Nicol prisms, a crucial component in polarizing microscopes. The famous Iceland Spar variety, known for its transparency and perfect cleavage, was particularly valued for this purpose.

Beyond its scientific uses, calcite boasts a variety of fun facts that make it a favorite among collectors and geologists alike. Calcite can be found in a rainbow of colors, including white, yellow, green, and even pink, depending on the impurities present during its formation. It is also the main component of stalactites and stalagmites in caves, forming stunning natural sculptures over thousands of years. Interestingly, calcite is even found in biological formations, such as the shells of marine organisms and the skeletal structures of corals. With its versatility and presence in both the natural and human-made worlds, calcite remains a mineral of immense historical, scientific, and aesthetic value.

from Northwest Newsletter, 10/24

Malachite - The Green Guardian

In contrast, malachite is a copper carbonate hydroxide mineral with an unmistakable verdant hue and intricate banded patterns. This mineral has been cherished since antiquity, not only for its aesthetic appeal but also for its deep historical significance—having been ground into pigments for ancient art and used in protective amulets. Found in the oxidized zones of copper deposits, malachite is sourced from some of the world's richest mineral regions, including the Democratic Republic of Congo, Russia's Ural Mountains, and the copper mines of the Southwestern United States. Often intertwined with azurite, malachite creates striking mineralogical combinations that are as scientifically fascinating as they are visually stunning. Despite its relative softness, its presence in the natural world speaks to transformation and resilience, earning it a special place in both scientific study and spiritual symbolism.

from CBRGC Newsletter, 2/28/25