

The CMS Tumbler

August
2024

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

Club Picnic:
August 18, 2023
11:30 am - Set-up
12:00 noon – Eating

Lake Wilderness Arboretum
Lake Wilderness Park
22520 SE 248th
Maple Valley, WA

The Picnic takes the place of
The August General Meeting.

Bring a favorite meal for pot
luck. Bring plates, utensils,
and cups.



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

Nancy Funk on August 1
Erica Dunham on August 9
Gerry Pacheco on August 9
Les Church on August 10
Travis King on August 11
Ananda Cooley on August 12
Terri Gerard on August 13
Devin Gurley on August 14
Michele Maidman on August 15
Erica Petty on August 16
Megan Petty on August 16
Breanna Post on August 19
James Richardson on August 19
Evan Blondell on August 22
Brandi Blanchfield on August 23
Kinsley Brott on August 27
and also remember
to wish a
Happy Anniversary to
Scott & Lauri Miles on August 12
Daniella Pratt & William Cook on August 13
Jae & Mike Cites on August 18
Larry & Sheila Clark on August 23
Robert & Nan Li Merriman on August 25 (14 years)
Michele Maidman & Gerry Pacheco on August 30
Erica Dunham & Chris Norris on August 31

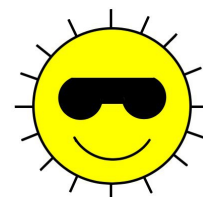


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Tips, suggestions, recipes and experiments printed in this newsletter are the experiences and/or opinions of the individuals submitting them. We are not responsible for their authenticity, safety, or reliability. Caution and safety should always be practiced when trying out any new idea.

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Raffle Master Roger Pullen	206-387-3214	Phone calls only. No email or texting.
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Instagram Gina Manso	425-281-3502	ginamanso51@gmail.com
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YouTube Channel Alex Williams	425-891-4717	alexw0121@gmail.com

2024 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 Federation of Mineralogical Societies; the Northwest Federation of Mineralogical Societies; and the Washington State Mineral Council.

Our Club is a Member of these Federations and Associations

AFMS: The AFMS governs our Northwest Federation. <http://amfed.org/index.html>

The bulletins are published quarterly. You can find the news bulletins at <http://amfed.org/news/default.htm>



NFMS: The Northwest Federation is our home federation. To keep up on the goings-on in our own backyard. <http://northwestfederation.org/>

The link for the news bulletins is <http://northwestfederation.org/Newsletters.asp>



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

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.

NFMS Needs Your Canceled Postage Stamps

Every year the NFMS collects postage stamps from its member clubs. They have a stamp company that buys them, and in turn, these funds are donated to cancer research. Every year NFMS donates around \$5,000.

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 turns them over to the NFMS at the regional rock and gem show. 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
 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

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

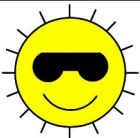



Access our CMSclub website for the latest on meetings and club events



Access CMS Facebook Groups



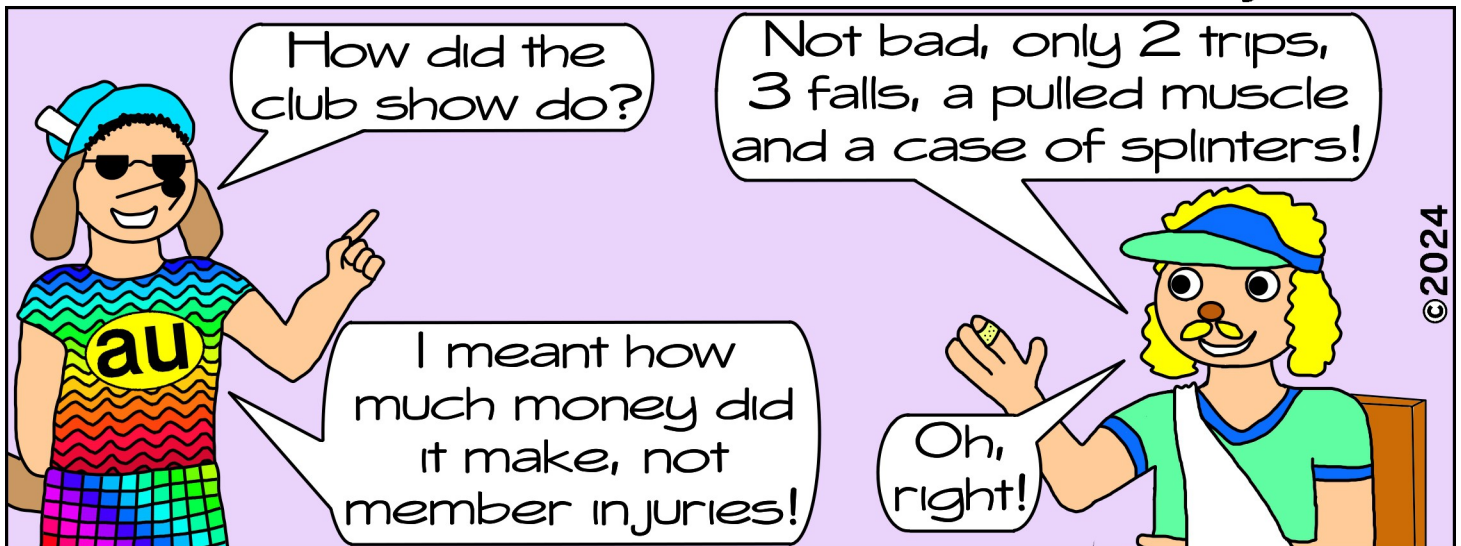
Sun	Mon	Tue	Wed	Thur	Fri	Sat	
	Hope to see you at the picnic!				1	2	3
4	5 Board Meeting 7:00 pm	6	7	8	9 Puyallup Show	10 Puyallup Show Maplewood Show	
11 Puyallup Show Maplewood Show	12	13	14	15	16	17	
18 Club Picnic 11:30 am	19	20	21	22	23	24	
25	26	27	28	29	30	31	

CMS Show Committee Meeting:...Monday, August 5.....6:30 pm to 7:00 pm
 CMS Board Meeting:.....Monday, August 5.....7:00 pm to 8:00 pm
 CMS Club Picnic:.....3rd Sunday, August 18.....Set-up 11:30 am, Eating 12:00 noon to 3:30 pm

Lapidary Class Hours:.....Closed for winter
 Lapidary Shop Hours:.....Closed for winter

More Field Trip info can be found on Page 11
 More Show info can be found on Page 12

Son of Mr. & Mrs. Rockhound by KAM



CMS Show Committee & Board Meeting Minutes July 8, 2024 by Pete Williams, 2024 Secretary
Attendees: Kat Koch; Linda Jorza; Pete Williams; Rich Russell; Mike Blanton; Paul Arhnberg; Diane Horsfall; Ananda Cooley; Roger Danneman; Lee Oliver; Peggy Shasty; Angie Bayer

Show Committee 6:37

Attendance at the show was between 3100-3200 with a lot more youth. This was over 1000 more than last year. The Kent Commons did a great set up for the show, there was good street visibility, and the staff was attentive to our needs. There was great space between the aisles. The main negative was that the food truck left just as people were looking for lunch. They said they were not making enough to remain.

The show was much easier to put on as the venue did the setup and teardown. Kat is stepping down as chair of the show, but will continue to work with the vendors. She would like to teach someone on how to deal with the vendors. We need a volunteer to organize the show next year.

Board Meeting 7:25

We now have 138 family memberships. We have paid to rent our meeting room for our Christmas party on December 1. The picnic and auction will be on August 18. We will be having a booth at the Gem Faire in September so will need some volunteers to staff it.

The July show will be Kim from Earthlight Gems doing a program on identifying rocks and minerals. Lee is exploring a possible shop space at a craft shop in Tacoma. They will be moving next year.

Kat wants our club to do more community outreach. We used to have several members do presentations at schools.

Meeting adjourned at 8:03

CMS General Meeting Minutes July 11, 2024

by Pete Williams, 2024 Secretary

Called to Order: 7:05

The show was a great success for the vendors and financially for our club. There were 3100-3200 in attendance which was over 1000 more than last year. We need someone who can organize and lead meetings to be show chair next year. Kat is stepping down from that position.

The Mineral Council had their last meeting until the fall. Ed Lehman is officially retiring from leading field trips. Someone has volunteered to take his place. Our next field trip is Saturday to Greenwater.

Our picnic will be August 18 at the Lake Wilderness Arboretum. Set up at 11:30 with lunch at noon followed by an auction.

Program: Kim from Earthlight Gems did a presentation on rock identification.

From the Top of the Rock Pile by Kat Koch, President

Our 2024 show is behind us and was great success. We had approximately 3,200 visitors. It is the largest attendance we have ever had since we resumed our annual gem show in 2018. We are still putting together our final accounting for the show and so far it looks like the most profitable show yet.

Thank you to everyone that volunteered to help with the show. Our gem show is one the largest in the area and our club could not have done it without your help. An extra big thanks to Roger D, Rich, Jennifer, Pete, Noelle, Josh, Terri, John, Dave, Angie, Brian, and Michelle as they each took on the responsibility of a very specific portion of producing the show.

There is no general meeting on Thursday, August 8th. We hold our annual picnic instead on Sunday, August 18th at Lake Wilderness Arboretum. It is a potluck lunch and club auction. Our Young Tumblers can use their "Rock Bucks" to buy auction items. If it is a nice warm day, the Lake Wilderness Beach and playground are a short walk away.

We continue to get new members every week. As of this writing, we have 136 families. Welcome to our club!

If you are a new member, please come up and introduce yourself. I look forward to meeting you.

Since our membership continues to grow, 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.

I am looking forward to seeing everyone at the picnic in August at the Lake Wilderness Arboretum.



Welcome
New Members

Rock Jokes To Tickle Your Petrified Funny Bone

Why was the geologist sad? Because his marriage was on the rocks.

What's a rock's favorite fruit? A pomegranate.

What do you do with a dead geologist? You barium.

Why was the geologist changing careers? Because he had hit rock bottom.

from Tulip City Conglomerate, 4/24

August 18th – Our Annual Sunday Potluck Picnic in the Arboretum.

There will be **NO August 8th, Thursday Meeting** this month.

Through the courtesy of our member Charles Benedict, we can reserve the Lake Wilderness Arboretum again this year for our annual picnic under the trees. The Arboretum provides picnic tables and plenty of free parking.

It is a potluck lunch. Setup begins at 11:30 am, with lunch at noon. The picnic is not only an excellent chance to enjoy a nice lunch under the trees but also to visit with one another.

Following lunch, we have a club auction. It is an excellent opportunity to pick up items such as rocks, fossils, minerals, opals, and jewelry at a fraction of their value. We would greatly appreciate any items you want to donate to the auction. Our club has two auctions a year (the annual picnic and holiday party), and they help cover our bills and keep our dues down.

Our Young Tumblers can bid on auction items and pay with the "Rock Bucks" they have saved. I encourage our Young Tumblers to save their Rock Bucks for our club auctions.

If it is a warm day, Lake Wilderness is within walking distance for swimming, and there are a couple of large play areas with playground equipment for the kids.



September 12th – Glaciers by Paul Arhberg

What are the benefits of glaciers?

Glaciers, slow-moving rivers of ice, have sculpted mountains and carved valleys throughout Earth's history. They continue to flow and shape the landscape in many places today. But glaciers affect much more than the landscape.

Show 'n Tell: A favorite item from your collection. Surprise us!!



October 10th - Opals by Pete Williams

Topic: Opal is the birthstone for the month of October. We will show a YouTube video on opal mining. Show 'n Tell: Precious opal, common opal, or any other material with a play of color.



Member News

Info on two members this month.

Kat Koch was injured at our show. In her words, "I fell twice at our gem show. The second fall was on Sunday, and they had to call an ambulance. Thank goodness I wasn't seriously hurt. I really hit my head hard on the pavement, plus I must have had fifty bruises all over me between the two falls. All is well now."

Richard Morgan, had been rushed back to the hospital for a few days because of a problem with some of the medicines he was on. After that got settled he was sent back to the rehabilitative center, and, at the time of writing, may be allowed to come home, so possibly when you read this he might be back home.

Field Trip Report for July 13 Greenwater by Roger Danneman CMS Field Trip Guide

On Saturday, July 13th we went into the Greenwater area for black agate, tan jasper, and opal. It was a beautiful day but got into the 80s, so kind of hot. Fortunately that area has shade. We had 24 people in 13 vehicles. The black agate site is deep in the woods off of FR7222. We dug there for about 3 hours. Afterwards we went to the rock slide up FR 72 for green jasper. Last year there was a locked gate preventing drivable access to that slide, but this year it was open. I don't normally like taking a big group there because it's very steep. Only Gina and Julie ventured up slope while the rest of us stayed near the road. I'd say this site has more potential in the late spring after the road is opened from snow and it hasn't been picked over yet. Larger pieces of the green jasper that might have eroded out of the cliff over the winter will polish up nicely and look beautiful.

Attendees: Nik B., Julie & Gina M., Lorie, Michele M., Gina & Michael L., Josh & Eli D., Eileen & Rich & Katie (guests), Hannah & friend (guests), Alicia & Dave & Kaleb & Ethan S., Doug F., Claudia & Rachel V., Jack G. (guest), Michael C., and



of course me.

Sunday, August 18th is the CMS summer picnic at the Lake Wilderness Arboretum. 11:00 set up and 12:00 eating time. It's pot luck plus an auction of club material. Good deals on nice rocks. That takes the place of our August field trip. Would love to see all of our members there.

Next trip into the mountains will be Saturday, September 14 to Frost Mountain south of Cle Elum. Details will be announced 1 week before the trip.



Snake Tidbits by Keith Alan Morgan

It used to be said that snakes were not poisonous, but venomous however scientists have discovered that some snakes are poisonous. Venom is usually injected by the snake through special fangs, whereas poison is in the body of the snake making it dangerous to handle or eat. The poison usually comes from insects the snake eats and its body turns the insect toxins into a defense against those that would handle or eat the snake.

What Is Yellow, And Is Not A Banana? Answer: Crystals On Mars! by Kat Koch

In a truly unexpected turn of events, NASA's Curiosity Mars rover drove over a rock and inadvertently cracked it open. To the amazement of scientists, the rock was filled with pure sulfur crystals, a discovery that was not on the mission's radar.

"The six-wheeled Curiosity rover has discovered sulfur on Mars before, but only mixed with other minerals, including magnesium and calcium. Pure sulfur, an odorless element that forms in very specific conditions that planetary scientists hadn't linked to the rover's location, appears to be infused in many rocks across the region," according to a NASA statement. "Finding a field of stones made of pure sulfur is like finding an oasis in the desert," Ashwin Vasavada, the mission's project scientist at the NASA Jet Propulsion Lab.

This discovery of pure sulfur crystals on Mars, a planet that lost its atmosphere and water early in its history, carries profound implications for our understanding of the planet's geological history and climate transition.

Note: Mars's atmosphere and water were lost to space early in the planet's history due to a combination of factors, including the loss of its magnetic field and exposure to the sun's solar wind:

Loss of magnetic field

Mars lost its magnetic field billions of years ago, which protected the atmosphere from the sun's radiation and solar wind. Without this protection, the solar wind stripped away the atmosphere's lighter molecules, thinning them out over millions of years. The process was likely quick because the sun rotated faster in its youth, making the solar wind more energetic.

Exposure to the sun

Mars's surface became more exposed to the sun with the atmosphere gone, trapping water in its crust. Some researchers believe Mars may have once had large oceans, but much of its water is still trapped in its rocks and minerals today.

The loss of its atmosphere and water played a significant role in Mars's transition from a warm, wet climate to its current cold, dry state, with an average temperature of 50 Kelvin below freezing, equal to -369.7 F.

Bibliography: Space.com, CNN, JPL-NASA.gov.



Projects in Motion by Jennifer Haley, AFMS Historian

I love my volunteer job as the American Federation of Mineralogical Societies historian. It is fun for me to think about you, and about what you might enjoy reading. You make my day, in this way!

I have a bundle of creative projects I would love to do for you as special projects. These are going to take some time pulling together, but it will be well worth the time that goes into it. These projects when they are completed, will be able to be given to the Federations for their clubs to use in their newsletters, and as club programs.

One of the projects will be a collection of vintage cartoons going back to our early days when the generations of rockhounds before us were creating wonderful cartoons for their bulletins all the time.

Another project will be a collection of all those wonderful poems, again from vintage bulletins. I've been going through some I currently have, and they are so creative and fun. They so express the love and joy for our hobby, and are such gifts to bring out and enjoy again for today. Plus, they are such an inspiration for those of you inclined to create your own poems.

One other project is for creating a special edition of articles dedicated to telling the true stories of how rockhounds with their talent in lapidary and geology, helped in the war effort during WWII. I have a couple of these stories already, and they are meant to be told. One of these involves a copy of an old Navy report I was able to hunt down that would also make a fantastic program for our clubs.

So, wonderful things are in store for you. I am one of those people who enjoys creative chaos, so I can work on all these projects at once as I find more of what I am looking for. I could really use your help in making these projects become a reality.

I know many of you have boxes of older club bulletins in which to find the early cartoons and poems. Please look for them and let me know what you've found. I wish to borrow them and will return them to you or you can scan them to forward them to me. Contact me, and we'll work out the details. And of course, I will give credit to the author and your club. Sometimes these vintage poems and cartoons were in a bulletin or just typed out on a piece of paper without an author's or club's name on them. Some are very faded, almost hard to read or see. I can still use these and most likely be able to bring them back to life, and I will give you the credit for bringing them to my attention.

We have so much to celebrate as rockhounds. Help me celebrate the delights and the honor of being AFMS rockhounds.

Young Tumblers News

Frequently Asked Quartz-tions by CJ Proos

"What is the history of birthstones?"

Since I've got a January birthday myself, I'm curious if there is history behind these stones. There are actually many origin stories to the birthstones. Some actually have biblical roots. If you go to the Book of Exodus, you will find descriptions of a breastplate worn by Aaron, the first high priest of the Israelites. These stones were thought to possess powers and represented the 12 tribes of Israel. According to first century translators, the breastplate is loosely thought to contain, carnelian, chrysolite, beryl, jacinth, agate, amethyst, topaz, turquoise, sapphire, lapis lazuli, jasper, and emerald. Historian Josephus was the one to connect these stones to the twelve months of the year, 500 years after the creation of the breastplate. This has been debated by St. Jerome who thinks Joseph was referencing the walls of New Jerusalem found in Revelations 21:19-21.

There are also beliefs that the birthstones don't originate with the months at all, but instead celestial bodies. In Hinduism, an astrological chart is made at each birth and only then is a birthstone assigned. However, this is broken down into only 9 different stones as opposed to 12. Some traditions utilize birthday-stones. Unlike birthstones, birthday stones are given based on the day of the week that a child is born.

Although the origin of the birthstones are debated, you can't argue the work done by the National Association of Jewelers. In 1912, the Jewelers of America met in Kansas to officially create the list of birthstones. Many believe that this was an attempt to sell more jewelry and less about unifying beliefs. The list created in 1912 has been revised several times in the last century. As of 2019, only half the months have a singular stone represented for their month. June, August, and December all have three designated stones each.

What are your thoughts? Does deep history contribute to the creation of the birthstone, or is capitalism to blame?
from Tulip City Conglomerate, 1/24

Frequently Asked Quartz-tions by C.J. Proos

'Why do some crystals come to two points while others only come to one?'

Excellent question! Let's kick this off with some terminology. The 'point' of a crystal is called a termination. When the faces or flat surfaces of the crystal come together on one end only, it is a single termination. When the faces meet at both ends, it is called double termination. One of the most common double terminated specimens is the Herkimer diamond from New York.

Now let's get into the question. There are many different factors that contribute to the way in which a crystal forms. These can include the type of mineral it is, the pressure and temperature of the environment when the crystal was forming, and even the presence of other minerals. However, all crystallization takes place because of two things: nucleation and crystal growth. Nucleation is when there are molecular structures of crystals that begin to cluster in a concentrated area. Once the cluster is stable, it becomes the nuclei. The crystal will then grow to its final size based on the solution being precipitated and the space it has to grow in. For most crystals, the nuclei stabilizes itself on its host rock. You can imagine this like a hole where fluid has collected on the inside. The nuclei will grow from the bottom of the hole where the solution has collected. This is a very simplified explanation of a common yet complex phenomenon. What goes into making a double terminated crystal is not so common. As it turns out, there isn't an agreed upon answer as to why a double termination happens, so I will go into one of the more recent theories and let you decide if it's a good enough explanation. The current theory that Herkimer diamond historians are evaluating is called Oil and Seed Crystal Theory. The difference between a single and double termination happens due to the presence of oil that repels the nuclei, forcing it to grow floating in the solution. This allows the crystal to grow in both directions coming to a double termination. This theory has been proven true in other areas like Pakistan that also produce double terminated crystals.

from Tulip City Conglomerate, 2/24

Frequently Asked Quartz-tions by C.J. Proos

'Why are there so many varieties of Jasper?'

Excellent question, one that comes with a couple answers. True jasper is an opaque specimen that is composed of microscopic quartz crystals with various impurities. Due to the commonality of these microscopic forms of quartz, depending on the impurities also present in the area, you will get many varieties of jasper. I'm sure some of you can name dozens of jasper varieties. But are all of them truly jaspers? This leads into the second part of the question, which I will rephrase to, are there actually that many jasper varieties? In short, no. Jasper has become a gemologist's umbrella term for lots of similar specimens. An example of this is something we learned a few months back during our stromatolite lecture. We learned that Kambaba jasper isn't a jasper at all, but actually a form of fossilized algae called stromatolites. Not all mislabeled jaspers are stromatolites. Most are varieties of chalcedony and rhyolites. Ocean jasper is actually chalcedony, bumblebee jasper is actually carbonate rich calcite, mookaite jasper is actually fossilized sea creatures called radiolarians, dalmatian jasper is actually a rock called perthite, and the list goes on.

from Tulip City Conglomerate, 3/24

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 (<https://mineralcouncil.wordpress.com>).

August 17-18 *Puyallup Valley Gem & Mineral Club - Green Water* – Meet before 9 am FR 70 at washout bend – Agate, Jasper, Opal – Bring a shovel, small pick, rock & 3 pound hammers, and small pry bar
Dennis Bachchelor (360) 870-8741

August 24 *Marysville Rock Club - Lake Wenatchee* – Meet before 9 am at Lake Wenatchee Park – Garnets – Bring small shovel, 1/4" mesh box screen & tweezers
Ed Lehman wsmced@hotmail.com h# (425) 334-6282 c# (425) 760-2786
Nique Wicks nwhopyfrog41@gmail.com (509) 670-0630

Edible Rock Recipe - Igneous Rocks

Ingredients

- 1 can evaporated milk (6 oz.)
- 1-1/2 cups sugar
- 1/4 teaspoon salt
- 1/2 cup chopped nuts
- 1-1/4 cups tiny marshmallows
- 1-1/2 cups chocolate chips
- 1 teaspoon vanilla

Directions

1. Grease a 8" X 8" or 9" X 9" square metal or glass pan.
2. Combine evaporated milk with sugar and salt in a saucepan. Bring to a boil. Reduce heat and simmer, stirring for 5 - 9 minutes.
3. Remove from heat. Add remaining ingredients and stir gently.
4. Pour into prepared pan. Let cool in the refrigerator.
5. An 8" X 8" pan makes 30 1-inch squares.

via Breccia, 7/24; from Golden Spike News

BLM's New Website For Rockhounding

Rockhounding on Public Lands

<https://www.blm.gov/programs/recreation/rockhounding>

from Breccia, 4/24

Not The Average Geode

Chinese rocks filled with crystals turn out to be new species of dinosaur egg.

One of the three eggs was broken, showcasing the stunning crystals inside.

The palaeontologists do not know what dinosaur was in the egg, which is fairly common for fossils.

Taken by themselves, geodes are gorgeous, with the insides lined with crystals that add a sense of beauty and wonder to the rocks, and they become even more amazing when they are dinosaur eggs, as was the case of a recent discovery in eastern China.

The fossils also happened to be a new species of dinosaur eggs called *Shixingoolithus qianshanensis*, part of a larger family of eggs found across China.

from Tulip City Conglomerate, 3/24

Lava Balloons can occur when underwater volcanoes erupt. They are carbon dioxide gas surrounded by lava and they briefly float on the surface of the water before sinking. They have only been observed seven times since 1850, the most recent being the July 2024 eruption of Iwo Jima.

Young Richard's Almanac by Dick Morgan

Looking at the world from the back of an ambulance, when traveling from rehab I traveled in an ambulance looking out the back window at where I was traveling from. You still recognize the territory, but it is always in reverse. You see where you came from and don't know you get there until you stop.

Did you know that overweight female rockhounds survive longer than male rockhounds who mention it?

Carrots may be good for your eyes, but booze will double your vision.

Did you know muffins spelled backwards is what you do when you take them out of the oven?

How much does a chimney cost? Nothing, it's on the house.

from Breccia, 5/24

My teacher told me not to worry about spelling because in the future there will be autocorrect. And for that I am eternally grapefruit.

I've started telling everyone about the benefits of eating dried grapes. It's all about raisin awareness.

My friend Jack says he can communicate with vegetables. That's right...Jack and the beans talk.

from Breccia, 6/24

Shows

August 2 & 3: Friday & Saturday 9 am – 3 pm
Rockhound Pre-Estate Blowout Sale

12224 42nd Ave NE
Marysville WA

August 2 - 4: Friday & Saturday 10 pm - 5 pm; Sunday 10 am - 4 pm
Far West Lapidary & Gem Society, 58th Annual Gem and Mineral Show

The Mill Casino
The Salmon Room
3201 Tremont St, HWY 101
North Bend, Oregon

August 9 – 11: Friday – Sunday 10 am – 5 pm
Puyallup Valley Gem and Mineral Club, The 2024 Jim Christian Memorial Show in the Trees

Tacoma Sportsmen's Club
16409 Canyon Road East
Puyallup WA

August 10 & 11: Saturday & Sunday 10 am - 5 pm
Maplewood Rock and Gem Club, Annual Summer Rock and Mineral Sale

Maplewood Clubhouse
8802 196th St SW
Edmonds, WA

August 16 – 18: Friday & Saturday 9 am – 5 pm; Sunday 10 am – 4 pm
Willamette Agate & Mineral Society, End of Summer Rock and Gem Show

Polk County Fairgrounds
520 S. Pacific Hwy
Rickreall, Oregon

August 17: Saturday 9 am — 5 pm
Shelton Rock and Mineral Society, 14th Annual Tailgate Rock Sale and Swap Meet

MCRA
2100 E Johns Prairie Rd
Shelton, WA

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