

The CMS Tumbler

September
2024

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

Next Meeting:
September 12, 2024
7:00 p.m.

American Legion Hall
25406 97th PI S
Kent, WA

The Program is Glaciers

The Show & Tell
Theme is a favorite item
from your collection

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

Ana Dobner on September 8

Ted Harrison on September 9

John Meier on September 10

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

Jarrold 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 & Dian Davis on September 9

Ted Harrison & Connie O'Neill on September 16 (6 years)

David & Theresa Hall on September 20

James Starke & Travis King on September 27

Paul & Megan Wasley on September 27



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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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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

Every member of the club should be receiving a copy of the Northwest Newsletter. If you are not receiving a copy contact Ananda Cooley in person or by telephone at 206-683-7787 or by computer at cascademstreasurer@gmail.com

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





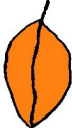


Access our CMSclub website for the latest on meetings and club events



Access CMS Facebook Groups

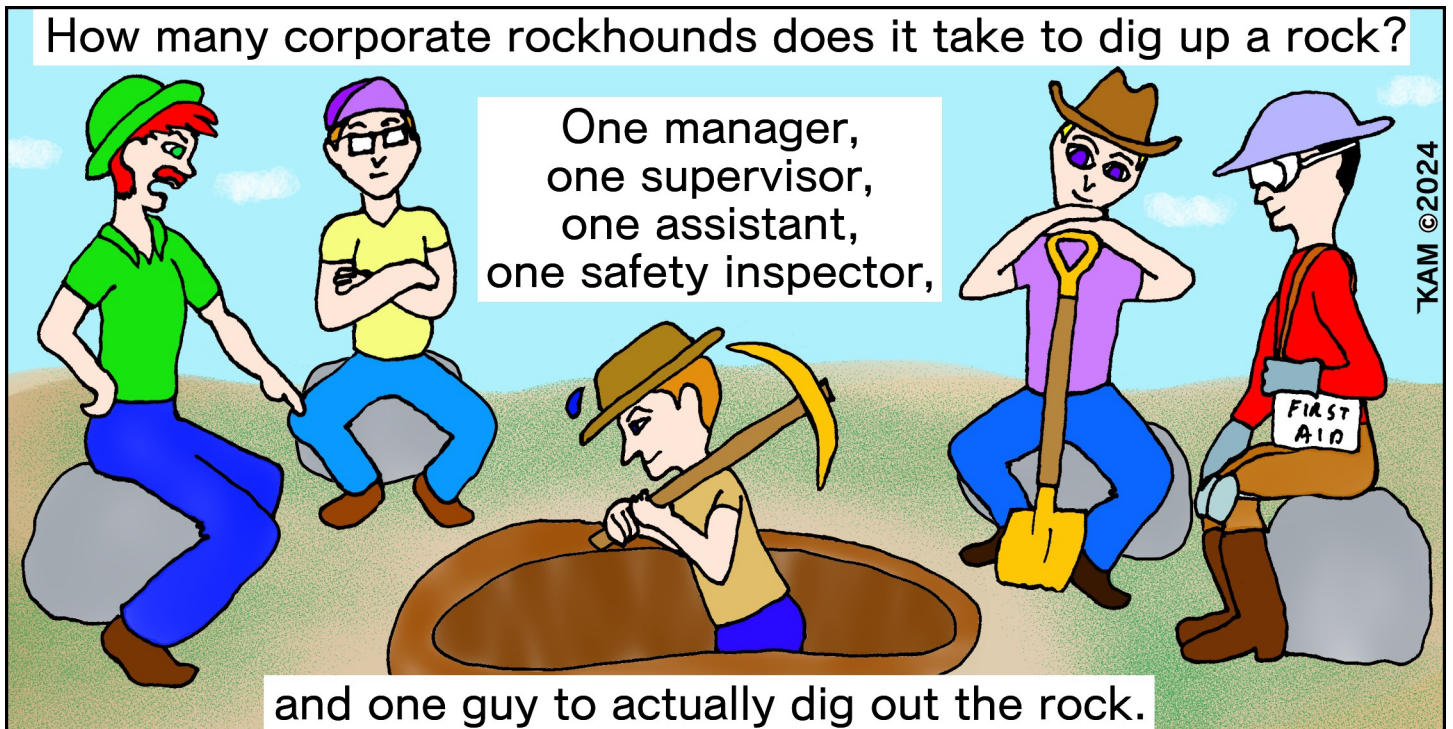


September

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7 SWMS Show <u>Red Top Trip</u>
8 SWMS Show <u>Red Top Trip</u>	9 Board Meeting 7:00 pm	10	11	12 General Meeting 7:00 pm	13	14 <u>Frost Mtn Trip</u>
15	16	17	18	19	20	21 Port Angeles Show
22 Port Angeles Show	23	24	25	26	27	28
29	30					

CMS Show Committee Meeting:....Monday, September 9.....6:30 pm to 7:00 pm
 CMS Board Meeting:.....Monday, September 9.....7:00 pm to 8:00 pm
 CMS General Meeting:.....2nd Thursday, September 12.....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 5, 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; Noelle Barnes

Called to order: 7:04

The show was very successful this year. To earn better interest on the money, Pete will look into CD rates at where our accounts are at BECU. A show coordinator for next year is still needed. It is now a much simpler position because the Kent Commons does so much more for setup than the college did.

There are now 144 family memberships in our club. Opening the shop this summer will require a work party to check out the equipment. A gallery of photos for our website is being worked on.

The annual club picnic and auction is on August 18 at the Lake Wilderness Arboretum. Items for the auction will need to be gathered. The next Gem Faire will be on November 8-10 and our club will have a booth there. Volunteers will be needed. The annual Christmas party will be on December 1 at our meeting site.

An inventory of all club equipment and where the items are stored is needed. Send your inventory information to Ananda when complete.

Meeting adjourned at 7:42

CMS Club Picnic Minutes August 18, 2024

Did not arrive in time.

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

Despite the weather concerns, our club picnic at Lake Wilderness Arboretum turned out to be a delightful event. We were blessed with a sunny day, and around thirty-five of us enjoyed the beautiful park, a good meal, and a lot of visiting. The highlight of the day was our club auction, which was a resounding success. Thanks to everyone's participation, we managed to raise over \$1,100 for our club treasury, marking it as the best sales.

Our club auctions help cover club expenses and prevent us from having to increase our annual dues.

If you're a new member, we're absolutely 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 personally 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.

I am looking forward to seeing everyone at our September meeting on Glaciers.



Welcome
New Members

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.



November 14th - CMS Food Drive & Field Trip report of 2024 and what lies ahead for 2025.

Our Field Trip Guide, Roger Danneman, will be taking a look at our 2024 field trips and what was found. Then looking ahead to what is planned for 2025.

Show 'n Tell: Something you found on a field trip, your yard, beach, a hike, etc.



What did one volcano say to the other volcano?
Nice Ash.

from Tulip City Conglomerate, 2/24

Bruneau-Pattern Jaspers

The Bruneau jasper pattern is characterized by a series of overlapping oval shapes arranged in a circular format. An edge or line curves back on itself until it intersects with another line. This element gives the appearance of an oval shape behind the curved line that it crosses. The overlapping oval shapes are an illusion resulting from the repetition of the curved edge. This illusion of visual depth creates the beauty of the generally opaque jasper material.

These shapes are not concentric like the bands in a nodular banded agate, but are part of one continuous formation through the rock. If the form could be visualized in three dimensions, it would look something like a soft pillow folded over on itself many times. A good example is melted candle wax running down the side of a candle. As the wax cools and solidifies in an oval drip shape, more melted wax flows over it and hardens on the top. This process results in the same type of forms as in Bruneau jasper. If you cut through the solidified wax, you will see the same curved edges that form the overlapping shapes. The pattern resulting from this form, so well known in the famous Bruneau jasper, does not have a generally accepted name other than "eggs."

Accounts of Discovery

Bruneau Jasper

Bruneau Jasper is a beautiful jasper that comes from a remote canyon near the Bruneau River in western Idaho, about 30 miles south of the tiny town of Bruneau. It is a "picture jasper" and is used as an opaque gemstone. The stone exhibits layered patterns of brown, reddish brown and cream color, or sometimes of red and green color.

It was discovered in the Bruneau River canyon in Idaho, near the bottom of the canyon walls, where the rhyolite in which the jasper occurs is exposed for a length of 5 miles. The first claims were filed in the 1950's. Tradition in the Bruneau area claims that the name Bruneau was either from its French translation of 'brown water' or after a French explorer by the name of Jean-Baptiste Bruneau.

As of 2009 Bruneau jasper was no longer in production due to the Protected River status of the Bruneau.

Morrisonite

Jasper was detected in this locality in the 1940s by rancher Jim Morrison (no relation to The Doors' lead singer). It is found in Oregon on the east slope of the 2,000-foot-deep Owyhee River Canyon, located a few miles south of the beginning of the Owyhee Reservoir. Morrison collected rocks and Indian artifacts on his ranch in the canyon. The first mineral claim here was filed in 1964, and there are currently five adjoining claims. No new commercial production has occurred since 1996.

Willow Creek

Willow Creek jasper is mined in a small canyon northeast of Eagle, Idaho. In this area the thundereggs exist next to perlite. A thunderegg two feet in diameter from this deposit is considered small. Unfortunately, not all eggs have jasper interiors; therefore, many hard efforts go without reward. In the 1980s, there were several claims with different owners. In the early 2000s, Larry Ridley of Boise, Idaho, owned the entire area, which he has mined steadily with equipment for many years.

Blue Mountain

Blue Mountain jasper is found in Oregon, on the south end of the Blue Mountains, just a few miles north of McDermitt, Nevada. This jasper has color combinations similar to those of the morrisonite found about 80 miles to the north. While morrisonite is formed in veins, the Blue Mountain jasper is more nodular in shape, even though the two types are formed in similar rock. There are still a couple of claims in the area.

Imperial Jasper

The last type is Imperial jasper and a sub-variety known as Royal Imperial jasper. Imperial jasper is found on the east slope of a steep canyon north of San Cristobal, Mexico. It is also found in a smaller drainage to the east of the main canyon. Red, Pink, Brown, Green, Spiderweb, Select, and Royal Imperial are all names associated with these various jasper deposits.

The jasper-bearing area is very large. Most Imperial jasper has enough color and pattern to be of interest, and very little is discarded. A high percentage of the rock from the side canyon exhibits the pattern found in Bruneau jasper. The name Royal Imperial jasper was recently applied to the rock from this area to distinguish it from the other varieties. About 100 tons of Imperial jaspers have been produced in the last decade. This amount is far more than the total historical production of Bruneau, Morrisonite, Willow Creek, and Blue Mountain jaspers combined.

Similar Patterns Found in Different Jaspers

There are other jaspers with the pattern of Bruneau jasper that are not well known. Hart Mountain jasper and Rim jasper from Oregon are two of them. There are also thundereggs found in the mountains southeast of Deming, New Mexico, that are filled with this type of jasper. These jasper deposits are small, and pieces are rarely found for sale except in private collections.

Many people are familiar with Bruneau jasper, yet they may not be familiar with Morrison Ranch jasper, for example. They recognize the pattern of the jasper from Bruneau Canyon that is so well known. This relatively rare and highly identifiable pattern is associated with all the jaspers mentioned above.

The formation of the orb pattern present in Bruneau, Willow Creek, and Morrison Ranch jasper is independent of the type of geological formation in which the jasper forms. Bruneau and Willow Creek jaspers are both thunderegg formations; the jasper fills the thunderegg's interior cavity. Morrisonite and Blue Mountain jasper, in contrast, are formed in the brecciated cracking of a welded tuff. Short veins leading to small pockets connected to other veins of jasper are the general rule. Royal Imperial jasper seems to form all by itself in massive, fine-grained ash or altered andesite deposit. The outside shape of the Royal Imperial nodule is the same shape as the mass of orbs inside.

Pattern Formation Theory

Current theories on the formation of chalcedony (agate and jasper) propose that silica collection goes through a gel or amorphous stage. An increase in silica concentration or some other event triggers the change to a more solid state. The edge or line observed in these jaspers is a visual record of the transformation that takes place when silica changes from its amorphous stage to its more solid form.

The egg pattern is the only pattern that Bruneau jasper exhibits. Jasper that does not have the orb or egg pattern is a plain tan color of little visual interest and is usually discarded. Thus, Bruneau jasper is strongly associated with the orb pattern, which is why people reference Bruneau jasper when they recognized the same pattern in morrisonite.

Willow Creek, Imperial Blue Mountain, and morrisonite jasper have different patterns caused by other events that result in a more complex visual experience. This is why many of these types of jasper on the market do not have the egg pattern. They have enough color and other patterns to be visually interesting without eggs. Only about 25 percent of the morrisonite sold has the egg pattern. The morrisonite that comes from the Christine Marie claim has little visual interest other than the egg pattern. Some of the Imperial jasper varieties have little or no egg pattern, while a very high percentage of the Royal Imperial has the pattern. If a piece of Willow Creek, morrisonite, Blue Mountain, or Imperial jasper exhibits the egg pattern, it is considered a high grade or better piece.

The most common of the non-egg patterns exhibited by these jaspers also goes by several names, including "straws," "streamers," or "reseals." These look like different-colored lines or, when in mass, a weblike pattern. The streamers usually extend from the outside surface of the jasper, where they are thicker across, inward toward the jasper's center, where they end in a point. Streamers or reseals are formed in the jasper from fractures or separations in the original jasper, which are then filled in with more jasper.

Metaphysical Properties of Bruneau Jasper

All Picture Jaspers are said to help bring balance to your life. Brown Jasper is connected to the Earth and encourages a deep ecological awareness. It brings stability and balance, and is particularly grounding as a worry stone, or for dissolving a sudden rush of fear, anger, or panic. It facilitates deep meditation and centering, and grants access to past lives.

from Grindings, 4/24

Young Richard's Almanac by Dick Morgan

When you reach old age you can be put in a rest home or a hospital. The rest home is a lot less of a problem. You usually have a wheelchair available to run around in and be mobile. There are also people to help you exercise. You can go on excursions from the home. Some people like it there, but it is always a relief to be home, where I am now.

Man-Made Meteor Shower by Keith Alan Morgan

On September 22, 2022, NASA's DART Mission (Double Asteroid Redirection Test) slammed into Dimorphos (a moonlet of the asteroid Didymos) and exceeded scientists estimates of how much they could redirect an asteroid.

The impact resulted in a large expulsion of debris from Dimorphos and studies of the debris indicate that in 2035 Earth should have a new meteor shower as the debris crosses Earth's orbit.

Interesting that a test designed to see if we could deflect a large space rock from colliding with Earth has resulted in a lot of little space rocks that will collide with Earth.

The Value of Gold – Don't Crush That Specimen!

It may seem counter-intuitive, but gold found on other minerals such as quartz is generally more valuable than gold which has been melted down and turned into an ingot. Crystalline gold is especially valuable. A nugget purported to be from the local town of Washington, with 98.6 ounces of gold, sold in 2011 for \$470,000. At the time, gold was worth \$1500/ounce, so crushed up and poured into an ingot it would only have been worth about \$150,000.

Such a difference in valuation has naturally resulted in scams, the timeless curse of gold. The aforementioned nugget was later determined to have come from Australia, valued at far less, so the sale was canceled and the bidder refunded their money. In this particular case, the seller also used the nugget to increase the value of property he was selling, valuing it at \$105 million. As of a couple years ago, you could still buy the property – for \$550,000.

from Rock Writings, 2/24

Four Bones

The body of any organization has four bones

1. Wish Bones, who spend all their time wishing someone else would do all the work.
2. Jaw Bones, who do all the talking and very little work.
3. Knucklebones, who knock everything that everybody else tries to do.
4. Back Bones, who get under the load and do all the work.

from Gritty Greetings, 7/24

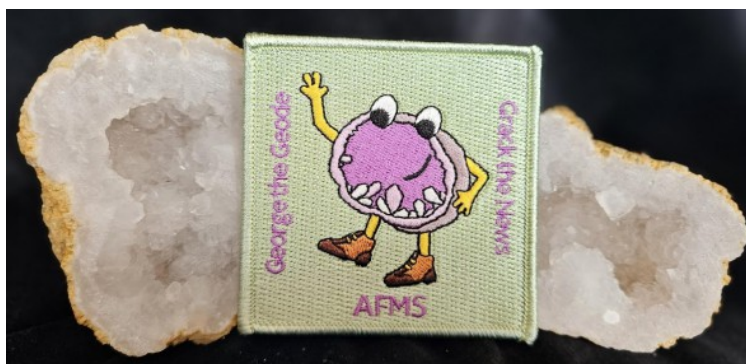
Contribute To Crack The News by Dennis Gertenbach, Crack the News Editor:

Dear junior rockhound club leaders,

We have now published three issues of Crack the News, an American Federation newsletter for kids and teens written by kids and teens. These newsletters are available at <https://www.juniors.amfed.org/juniors-newsletter>. Be sure to distribute the newsletters to the members in your juniors club, so they can enjoy the articles written by other kids and teens.

We are now gathering articles and other items for the next edition. Please encourage your junior writers, poets, photographers, and artists to contribute to the next Crack the News. It could be an article about one of their favorite rocks, minerals, or fossils. Perhaps an article with photos of one of their favorite collecting spots. Maybe they would like to show off lapidary jewelry they made. Or, they may have created poetry or artwork about rocks, minerals, or fossils. The only requirements are that they must be under 18 years of age, their contribution must be related to rockhounding, geology, paleontology, or the lapidary arts, and it must be created by them. It is fine if their article or other contributions have been published in your club's newsletter.

To submit their work, have their parent complete the submission form at <https://drive.google.com/file/d/1KiCMzmZT82fxuIT-Ut4gqz9W4zUeXy4/view> and return it with their work to youth@amfed.org. Please submit their written work as a Word document or .pdf and artwork should be submitted as a .jpg or .pdf. If their contribution has been published in your club's newsletter, please let us know. Contact Lora at: youth@amfed.org, www.juniors.amfed.org, 406.370.1863



Every writer, artist, photographer or poet published in Crack the News earns a George the Geode patch! If you are published 5 times, you earn the geode George is standing on! Be sure to call, text, or email with any questions.

from the AFMS Newsletter, 9/24

Nominate a Teacher! by Michelle Cauley, RMFMS Juniors Chair

Do you know an individual who does incredible work inspiring and teaching K-12 students in geoscience? Or maybe you know an Adjunct at a local college who teaches geoscience?

The National Association for Geoscience Teachers (NAGT) is looking to celebrate these individuals. You might know they do incredible work to move our science forward with juniors in your club or maybe you took a course by this instructor, and you were impressed when they presented and spoke at your club meeting – well it's time to celebrate them!

Yes, the AFMS celebrates our members with Rockhound of the Year and other club awards, but the NAGT would like to celebrate them as well!

The NAGT K-12 Educator of the Year is state-based, with winners coming from each state yearly. Winners receive free membership for 2 years to the NAGT and a 3-year membership to the Geology Society of America (GSA), plus a \$700 award or travel stipend. This is a phenomenal opportunity to celebrate our junior's leaders and teachers, and awards are handed out based on "exceptional contributions to the stimulation of interest in the Earth Sciences at the pre-college level" (<https://nagt.org/nagt/awards/oest.html>). Nominations are due in March, but they are taken at any time.

The NAGT Outstanding Adjunct Faculty Award is for any instructor who teaches part-time at a 2-year college in geosciences. There are many times when AFMS clubs have adjuncts in as guest speakers and presenters at their events and for most of these presenters, they are not members of the local club to win that coveted Rockhound of the Year Award. Instead, take this opportunity to thank that instructor by nominating them for this award from NAGT. Awards are given four times a year, with the first three awardees getting a write-up in the 2-Year College NAGT Newsletter and a membership to NAGT for a year. The yearly award winner also receives a monetary gift of \$1,000 from McGraw-Hill as a thank you for inspiring future geologists. Follow this link for more information and nomination form: <https://nagt.org/nagt/divisions/2yc/oafa.html>

The NAGT first and foremost promotes geoscience education, which is what all our Junior Programs are promoting as well. Take the time to nominate a favorite geology teacher – and celebrate their work within your club. Nominees do not need to be current NAGT or GSA members, but they will be incredibly thankful to be nominated and even with these awards, as NAGT and GSA provide fantastic free resources for geoscience education for K-12 students and older learners as well! Questions? Want to celebrate an educator and need more guidance? Feel free to send an email my way at michelle.cauley@dakotacollege.edu. Happy nominating!

from the AFMS Newsletter, 9/24

Young Tumblers News

Elephant Rocks Around the World



Elephant Rock, Iceland, is on the island of Heimaey. It is made of basalt rock formed in a volcanic eruption of Eldfell.



Elephant Rock, Molokai, Hawaii off the northern coast of the island. It's Hawaiian name is Mokuhooniki. It is a tuff cone formed by an explosive eruption from basaltic magma and water. Tuff cones tend to be found near the water's edge.



Elephant Island, western end of the South Scotia Ridge, Antarctica. It named Mount Pendragon with a maximum elevation of 3,192 ft. It was created by a subduction zone scraping off the Cretaceous sea floor. The rock is composed of phyllites, blueschists, and greenschists. Very similar in age and rock types found off the coast of California, including Catalina Island and the Big Sur coast.

Is it A Limb Cast or a Limb Section?

Some people call a petrified specimen by either name, not realizing that there is a difference.

A Limb Cast occurs when a limb decayed or was destroyed and deteriorated, the resulting void then filled with agate or some other fluid and solidified in the form of the original limb. A Cast only shows the outer shape of the limb.

A Limb Section is a section of a limb that is either opalized or agatized; in other words, petrified. A section will usually show the original ring pattern of the wood structure.

from The Geode, 2/24

Pearls In Trees

Pearl formed by oysters or other mollusks are of aragonite, a form of calcite (calcium carbonate). These are well known, but the most surprising pearls are those that grow on trees – Cocoa Palms. A coconut pearl occurs inside the nut when the three holes, including the one that opens, are lacking. The embryo, unable to escape, forms a valuable and highly esteemed pearl of the same carbonate of calcium.

via Lowcountry Diggings, 6/24; via Backbender's Gazette, 6/06; via Footprints, 9/95; from The Pegmatite

Everyone knows Opal is the birthstone for October, but did you know that Opal comes from the Latin word opalus which means to see a change in color?
from The Cowtown Cutter, 10/10

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 7 & 8

All Rockhounds Pow Wow - Red Top - Meet before 8 am Teanaway Campground – Agate, Jasper, Geodes – Bring a small shovel, 1/4" mesh box screen, tweezers, chisel
Larry Vess vessel3755@gmail.com or (253) 473-3908

September 14

Cascade Mineralogical Society - Frost Mountain - agate, jasper, crystal, geodes.
Difficulty Rating 3. This is a mile hike with some elevation gain. Crystal Geode fragments can be found on the surface but the nicest material here is unusual formations of jasper/agate/crystal in the hard rock known as Tahoma Agate.
Roger Danneman 425-228-8781 Roger.Danneman@gmail.com

September 21?

Opal Club - Little Naches – Meet before 10 am Highway 410 & FR91 – Thundereggs, Fossils, Lilypad – Bring a small shovel, 1/4" mesh box screen, tweezers
Tony Johnson (253) 863-9238 ynotopals@outlook.com

Some “S” Words for September by Judi Allison, NFMS Secretary

Stealthily searching, seeking sensational spherical specimens.

Surely, sapphires sparkle splendidly.

Scintillating senses spark surreal sensations.

See simply symphonic systems.

[Editor's Note: How fast can you read this aloud without tripping on your tongue?!!!!]

from AFMS Newsletter, 9/23

Rockhound Yard Sale

50 Years of Collecting

September 7th & 8th

Sat & Sun 10am-4pm

****Cash or Paypal Only****

Glen Ripper

21102 91st St E, Bonney Lake 98391

glen311944@yahoo.com

Rocks, rough, finished cabs, jewelry, tools
and related items.

Amazing variety! Rare rocks and material
no longer available.

Biggs Jasper Mexican Crazy Lace
Graveyard Plume Chrysocolla
Petritified Wood Rutilated Quartz
OBSIDIAN!!!!

Electric Blue, Rainbow, Fire & More

A few free rocks & other tiems too!

This is a sale you just can't miss.
CHECK IT OUT!!!

Special Fall Showcase Seattle Mineral Market

NOVEMBER 2ND & 3RD 2024

minerals fossils gems jewelry mineral art & more

OVER 20+ DEALERS

*Get a jump on
the Holidays!*

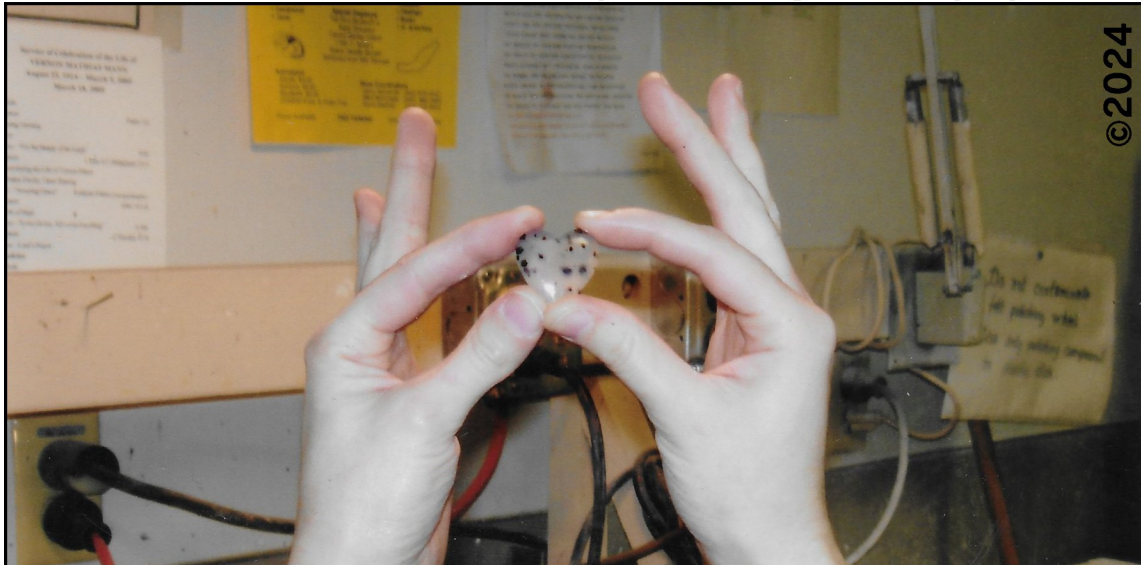
FREE ADMISSION
FREE PARKING

Saturday & Sunday
11am-8pm

Everett Mall
1402 SE Everett Mall Way
Everett, WA 98208

elementalendeavors.com





True Love? Spotted!

I've started investing in stocks: beef, vegetable, chicken. One day I hope to be a bouillianaire.

I tried to come up with a carpentry pun that woodwork. I thought I nailed it but nobody saw it.

I was walking in the jungle and saw a lizard on his hind legs telling jokes. I turned to a local tribal leader and said, "That lizard is really funny!" He replied, "That's not a lizard. He's a stand-up chameleon."

Once upon a time there was a King who was only 12 inches tall. He was a terrible King, but he made a great ruler.
from Breccia, 6/24

Shows

September 7 & 8: 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 21 & 22: Saturday 9 am - 5 pm; Sunday 10 am - 4 pm
Clallam County Gem And Mineral Association, Fall Show
 Vern Burton Community Center
 308 East 4th Street
 Port Angeles WA

September 21 & 22: Saturday 10 am - 5 pm; Sunday 10 am - 4 pm
Fraser Valley Rock and Gem Club, Annual Show
 Aldergrove Kinsmen Community Center
 26770 29th Ave
 Aldergrove, British Columbia

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