

The CMS Tumbler

May
2024

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

Next Meeting:
May 9, 2024
7:00 p.m.

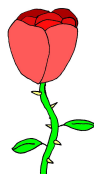
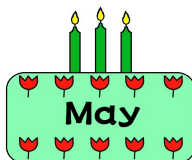
American Legion Hall
25406 97th PI S
Kent, WA

The Program is Fossils of
Washington

The Show & Tell
Theme is Fossils

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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

Brian Bayer on May 2
Rachel Norgard on May 2
Davaiya Brandt on May 2
Megan Wasley on May 4
Kelly Berge on May 9
Isaiah Fu on May 11
Alexis Fisher on May 11
Alex Danneman on May 12
Julia Post on May 15
Penny Post on May 15
Miles Waller on May 15
Jennifer Russell on May 16
David Hall on May 18
Heather Leiphan on May 20
Cherie Covington on May 21
Lauri Miles on May 23
Russell Lopeman on May 24
Artem Tokmakova on May 26
Andrey Tokmakova on May 26
Catherine Petty on May 27
John Thomas Buck on May 29
and also remember to wish a
Happy Anniversary to
Lloyd & Charleen Shoemaker on May 4 (39 years)
Fred & Nancy Funk on May 8
Peter & Mrs. Anderson on May 16
Peggy Shashy & Paul Ahnberg on May 24 (21 years)

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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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Facebook Club Page Gina Manso	425-281-3502	ginamanso51@gmail.com
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

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
 AND MINING EQUIPMENT!

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 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

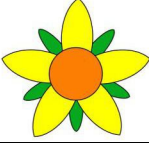


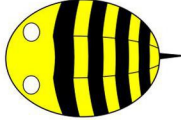


Access our CMSclub website for the latest on meetings and club events



Access CMS Facebook Groups



Sun	Mon	Tue	Wed	Thur	Fri	Sat		
			1	2	3	4		
5	Board Meeting 7:00 pm	6	7	8	General Meeting 7:00 pm	9	10	11
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	31			

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

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

More Field Trip info can be found on Page 15
 More Show info can be found on Page 16

Mr. & Mrs. Rockhound

by KAM



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

CMS Board Meeting Minutes April 8, 2024

by Pete Williams, 2024 Secretary

Attendees: Kat Koch; Linda Jorza; Pete Williams; Rich Russell; Mike Blanton; Paul Arhnberg; Diane Horsfall; Ananda Cooley; Peggy Shashy

Show Committee 6:35

Only 2-3 vendors more are needed for the show to be sold out. Brittany, one of the vendors who runs the Seattle Mineral Market, has been hired to do digital advertising for us. Kat is looking into having some type of display in the Green River Room since we will not be able to have sales in that room. The Pacific Science Center Museum will charge \$700 for a display. Other options are being explored.

The food truck has been secured. A Paypal account for the club is being set up. The new liability policy also covers the show.

Volunteers are needed for a club sales focal.

Board Meeting 7:07

Our club will donate 2-3 buckets of rocks for the NFMS auction. We will have 2 representatives from our club present for the NFMS meeting. We now have 116 family memberships. Only 2 families with children have renewed their memberships so far.

The program for the May meeting will be Jerry's Rock Shop doing a presentation on Washington State fossils. The June meeting program has not been finalized, but may be videos on agates. The next Gem Faire that we will participate in is in September. Our show in 2025 will be on June 28-29.

Meeting adjourned at 7:50

CMS General Meeting Minutes April 11, 2024

by Pete Williams, 2024 Secretary

There will be 3 field trips in April – April 20 to Biggs Junction, April 21 to Saddle Mountain, and April 28 to Saddle Mountain. Members are needed to tumble rocks for the show. The club can provide the rocks to anyone interested in doing the tumbling.

Noelle will be running the May meeting. The program will be Jerry's Rock Shop doing a presentation on fossils found in Washington State. The summer picnic will be on August 18 at the Lake Wilderness Arboretum.

The program was rock bingo. Everyone went away with some rock related item. Kat thanked all those that brought food for the Kent food bank.

Meeting adjourned at 9:04

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

I have sad news for our members who were around from 2017 through 2021 and knew Mark Hohn. He sat at the entry table at every club meeting, wrote our website, and created our membership database. He was also instrumental in restarting our annual Cascade Gem Show. He was Show Chairman in 2018 and 2019. The website Mark created in 2017 has won the NFMS Website Contest—1st Place Award every year since.

Mark passed away at the end of March from rejection of the bone marrow transplant he had 2 ½ years ago for a rare type of blood cancer. What is even sadder is that Mark was cancer free within a few months after the transplant, but he was never able to make his blood. He had over 340 blood transfusions: whole blood and platelets.

Mark was a great man in every respect! RIP Mark Hohn!

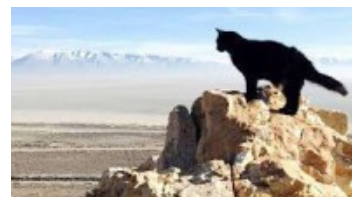
Our Cascade Gem Show this year is just about sold out. We have just two booth spaces left. Don't forget to contact Roger Danneman to volunteer to help at our show. It takes 50 to 60 member volunteers to run the show. No matter what you like to do or don't like to do, we have a volunteer spot for you. The setup is June 28th, and the show is June 29th and 30th.

We continue to get new members every week. Welcome to our club! To our members who have yet to renew this year, please visit our website and renew your membership online. If you attend a meeting, you can pay your dues with a check, cash, or credit card.

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

Our monthly meeting attendance continues to grow back to pre-pandemic levels. In April, we had 40 members and guests for our Rock Bingo night.

Since our membership continues to grow, I hope more members will



Welcome
New Members

attend our monthly meetings. The larger our meeting attendance is each month, the easier it will be to book quality speakers.

I won't be at the May meeting, but Noelle Barnes, Club VP, will be handling it. I will see everyone at the June meeting.

May 9th – Fossils of Washington by Joan and Glenn of Jerry's Rock Shop

Joann is going to tell us all about the fossils of Washington.

It is always fascinating to hear about the flora, fauna, and crustaceans that lived on land and in the sea of our state millions of years ago. Most of us have heard of the leg bone of an unidentified dinosaur, and numerous Columbian Mammoths and Mastodons have been found. There is also the petrified flora from Saddle Mountain and Republic.

This meeting should be exciting and educational to learn about all the other fossils found in Washington.

Show 'n Tell: Any fossil in your collection.



June 13th – Ellensburg Blue Agates by Carl Carlson

Mr. Carlson is an expert on Ellensburg Blue. He can be found on YouTube speaking to various groups, including Nick Zentner of Central Washington University, about this awesome blue agate.

The Ellensburg Blue agate is regarded as the third-rarest gemstone in the world. It is the only blue agate regarded as a "precious gemstone." Ellensburg Blue agate is only found in the foothills of the Cascade Mountains northwest of Ellensburg.

Show 'n Tell: What blue agate, rock, mineral, or other blue item do you have in your collection?



June 28 to 30th – Our Cascade Gem Show

We will need 50 to 60 volunteers to put on our show.

All hands on deck!

Please contact Roger Danneman to volunteer.



July 11th – Post-Show Report & "Guess that Rock" by Kim of Earthlight Gems

We will have a little fun while learning to identify rocks. If you are the first to guess right, you will win a prize. The overall winner of the night with the most correct guesses will win a grand prize.

Show 'n Tell: Bring a rock, mineral, or fossil you want to be identified. We will see if Kim or some of our members can identify it for you.



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

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 for us, plus there is 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 auctions are held two times a year, 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.



Q: In what way is slippery ice like music?

A: If you don't C sharp, you'll B flat.

Looking For Volunteers

Show Volunteers: If you'd like to volunteer for our upcoming Gem Show, please contact Roger Danneman. His contact information is on the contact page of this issue.

Setting up and running our show takes approximately 55 to 60 volunteers. No matter how you want to help, there is a position for you.



Field Trip Report for Biggs, Oregon, April 20th, 2024 by Roger Danneman Field Trip Guide

On Saturday April 20th we had a field trip to a private quarry near Biggs Junction, Oregon for Biggs Jasper and Agate. Jay Carlson of Sherman County Rocks in Rufus, Oregon, manages the operation and is doing field trips for rock clubs only. We had a beautiful clear day and started out by picking through the piles of material at his shop - Wascoite, Grainite, China Hollow, and Biggs Jasper/agate. Jay also has some beautiful finished material inside his shop. There were 20 people in 12 vehicles that went up to Beers Mountain. A few things I picked up from Jay's explanation last year of the material is that it's a mudstone formation formed millennia ago by thick mudpools under and over basalt lava flows. There were gas bubbles burping through the thick goo causing the intricate patterns to form as it was going through a hardening process. Bands of limonite (a type of iron) form the intricate patterns. It's highly metamorphed and over time some agate and jasper formed in seams and pockets in the stone. The material takes a great polish. Mostly in brown tones, there are some hints of bluish and greenish coloration and pockets/seams of drusy crystal. The sites were easy to pick. A few people chiseled out chunks from the hard rock, but mostly it's walking around and collecting loose material. The hardest part is deciding what to take home. The Beers Mountain material as well as the Wascoite and Grainite was \$5/lb and the China Hollow material was \$2/lb. We started out at 8:45 AM and finished by 12:00.

Afterwards some of us went to the Polka Dot Agate mine and others went to Richardson's Rock Ranch. Both of those are about 80 miles further south via Hwy 97. At Polka Dot we chiseled beautiful blue agate from a large deposit that they've unearthed on the property. It's very hard and dense and difficult to get chunks out, and one has to make a time slot reservation to work in the pit, but they also have a pile that you can pick from which is much easier.

Members who joined me were:

Scott & Laurie M., Christina L, John & Dave C. & friend Mike, Kari C., Scott M., Marion R., Michelle & Jerry M., Noelle B., Pete A., Jarrod D., Chris W. +2, Arlea W. +1.





Rocks are one of the oldest percussion instruments used by man.

Field Trip Report for Saddle Mountain April 21st, 2024 by Roger Danneman Field Trip Guide

On Sunday April 21st we had a field trip to Saddle Mountain for petrified wood. It's estimated that the petrified wood there is at least 14-15 million years old. We met at 9:45 in Mattawa and at 10:10 slowly made our way up into the hills on the infamous rough and rocky road. It was sunny but windy. The east side of the ridge was somewhat protected from the wind, but all of us got a little bit gritty from digging. There are several spots one can go in the Saddle Mountains, but I like this particular site because the material has more color and is plentiful, although mostly what I would call tumbler material. It is nicely agatized and rivals some of the nicest earth-tone agates in the state.

We had 16 people in 10 vehicles for this trip.

Joining me were Michelle & Jerry M., Arlie W. & guest Tonya, Noelle B., Pete W., Alex & Brandi W., Jarrod D., Jason S. and 2 sons, Kari C., Kelley G. (new member), and Pete A. (new member).

Loren Merriman will lead another trip to Saddle Mountain on Sunday April 28th and then the next CMS field trip after that is on May 11th to First Creek near Cle Elum. Loren will lead another trip to First Creek on Sunday May 19th. Info will be sent out 1 week ahead of that by e-mail to my Field Trips Distribution List.





How About A Nice Stone Pillow? by Kat Koch

Based on archaeological discoveries from the Paleolithic period (Old Stone Age), people used sticks, stones, pieces of animal skins, and bundles of straw as head supports. These are the earliest pillow prototypes found.

Pillows, curved stone head bolsters, were discovered in Mesopotamia for only the rich and have been dated to about 7,000 BCE. They had a very practical purpose, as they prevented vermin and bugs from getting into people's eyes, mouths, and noses while they slept.

Around 5,000 years later, the Egyptians improved these stone headrests by adding a flat rectangle base, a straight shaft, and a curved neckrest. The Egyptians believed the curved neckrest mimicked the horizon and the rising sun. They also added a spiritual belief to the use of the headrests, believing they dispelled demons and were adorned with images of Egyptian gods Taweret and Bes, who banished evil at night (or in the dark) in life and death.

Until around 30 BCE, headrests made of ivory, marble, stone, ceramics, wood, Egyptian Alabaster (calcite), and glass were found in the tombs of high-ranking Egyptians.

The earliest physical discovery of a pillow in China is from a Chu state tomb dating from 475 BCE-221 BCE. It was wooden and had a primitive design and a simple decoration.

During the Western Han Dynasty (206 BCE-24 CE), the silk fabric manufacturing industry made significant advancements, providing materials for softer pillows. These pillows were only for the very elite and the heads of the deceased elite.

Over the following Chinese dynasties, pillows were made from various materials, including jade, bamboo, wood, porcelain, and bronze. Ceramic pillows became the most popular during the Chinese Sui dynasty, 581 CE-618 CE. By 907 CE, ceramic pillows were being mass-produced. The ceramic pillows depicted animals, plants, and humans. The production of ceramic pillows reached its peak between the 10th and 14th centuries. Ceramic pillows slowly decreased from 1368 to 1911 because better materials to make softer pillows became available.



The ancient Romans and Greeks, from 8 BCE to 5 CE, mastered the softer pillow. These pillows were softer and more comfortable because they were stuffed with feathers, reeds, and straw. Typically, only upper-class people had the softer pillows; however, all other classes of people were allowed to use some type of pillow. The Romans and Greeks also placed pillows under the heads of the deceased.

Bibliography: Met Museum, History Facts, Ancient Pages, Egypt Today, Wikipedia, Britannica, Dictionary of Greek and Roman Antiquities – 1875.

Club Member News

Long-time member and former shop instructor, Dick Morgan was in the hospital for a few days for liquid in the lungs and heart congestion. He's back home and doing better.

Remember to notify our Health and Welfare Chair, Bev Williams (contact info on page 2) when health concerns come up. Sometimes the only way we know how fellow members are doing is when it's reported in the newsletter.

Young Richard's Almanac by Dick Morgan

You don't realize the value of hospital workers until you have to spend time in a bed for extended leave. Their job is sometimes messy but they always answer you with a smile on their face. They do their job well and do anything to help you feel better. Say hello and thank you for hospital staff.

You don't realize how much friends mean to you until you can't visit them. The sight of their smile that always made you feel good when you saw it. Even hearing their voice on the phone when you are in the hospital is a wonderful jolt of sunshine knowing that others think about you.

Safety with Sole by Ellery Borow, AFMS Safety Chair

Ballet slippers, moon boots, fishing waders, tennis shoes, rain galoshes, baseball cleats ... golfing, basketball, and so many more activities have their own associated footwear. In other words, special footwear for special purposes. There is footwear for the stage, for walking on the moon with its dust and low gravity; footwear for wading in deep water and playing on a tennis court. There is no unique style of rock collecting shoe.

Think, if you will, of the rock, mineral, and fossil hobby specimen collecting activity. One might walk root-encumbered trails, cross the occasional stream, navigate a talus slope, climb some rocks, traverse far reaching sand dunes, shuffle through snow covered ground, ford muddy areas, or walk steaming hot sand.

Participating in our collecting activity requires being prepared for walking in a great many different conditions. The collector needs to be prepared for just about anything – with footwear to match those conditions.

While some mines and quarries have specific footwear requirements necessitating ANSI Code steel-toed shoes, most collecting localities leave footwear decisions up to the individual collector. In situations where the individual collectors choose their own footwear, there are a few recommended criteria for consideration such as:

- Use comfortable shoes
- Use shoes with suitable ankle support
- Select shoe soles with suitable traction
- Use shoes with the necessary arch support
- Make sure the footwear is durable

Consider the conditions to be encountered when collecting:

- Will there be steep slopes necessitating superior ankle support?
- Will water-proof or water-repellent footwear be needed?
- Will ground level collecting conditions be very hot, or cold?
- Will the collecting site embankments be very loose or firm material?
- Will rain be expected?
- Might a spare pair of boots be advisable to bring with one?

If a general, one-boot-for-all-conditions footwear is needed, a generic work boot may be suitable. Generally speaking, one should consider avoiding "flip-flops," sandals, open-toed shoes, and shoes with decorations (such as rhinestones), as the decorations are likely to be scuffed off the shoe. Shoes that do not protect the foot are inadvisable. Feet do us a great service — they deserve to be protected from harm.

Sometimes it can be difficult to find suitable footwear for small children. Their small feet can be injured rather easily. Specialty shoe stores sometimes carry durable boots for small children. When in doubt, small children should not be brought to sites where conditions can be problematic in assuring their safety.

The best advice is to use forethought and wisdom when selecting suitable footwear for collecting. Well-protected feet and boots with sole can serve one for a lifetime of enjoyable collecting.

from AFMS Newsletter, 12/23

Mark Joseph Hohn

April 17, 1957 – April 1, 2024

On Monday April 1st, 2024, Mark Hohn, loyal husband, faithful father, and friend to all, passed away at age 66 after a valiant battle against Myelodysplastic Syndrome (MDS).

Mark was welcomed into the world on April 17, 1957 in Helena, Montana, by his loving parents, Inez and Vincent Hohn. He attended Broadwater County High School and Metro State College before proudly joining and serving in the US Army for seven years, earning the rank of MP Sergeant. He married his high school sweetheart, Penny Geiser, in 1975, and was the proud father of five children, Travis, Michael, Matthew, April and Heidi and, eventually, the adoring grandfather of 20 grandchildren.

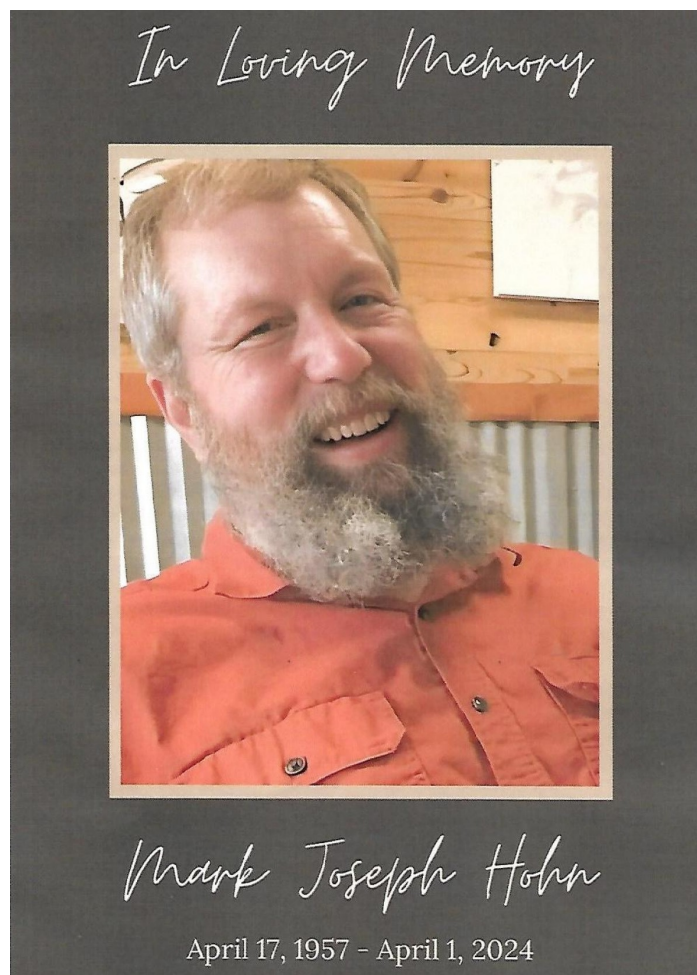
After his service, Mark moved his family to Washington state where he worked at Pacific Rim Environmental and then Microsoft for 16 years as a Software Test Engineer and Principal IT Ops Lead before heading back to Pacific Rim as a General Manager. He was a cherished member of Mt. Vineyard Christian Fellowship where he served as a Youth Group Leader to high school kids and ventured off to Jamaica, Mexico, and Nicaragua on mission trips. He was a board member at Bread of Life Mission and the Cascade Mineralogical Society, President of the Puget Sound Beekeepers Association, and a hobby enthusiast to his very core. He loved to peruse, study, engineer and create as he bounced from molding concrete masterpieces, to raising bees, to designing and masterfully constructing his own CNC machine, with a sundry of other artistic amusements woven in between. But his most cherished avocation of all was his family, of which he never tired. He was their camp boss, master chef, project manager and fixer of all things. To him, they were his finest creations.

In his last years, while he battled the after-effects of MDS, bound to a wheelchair and burdoned by a myriad of hospital stays, he still found time to create, sowing seeds and transforming pieces of pine into wings of hope and God's unfathomable love. Though he is gone, his artistry remains.

Mark was preceded in death by his father Vincent, mother Inez and brothers Bob and Brian.

He is survived by his wife Penny, his five children and their spouses, Travis (Jill), Michael (Tristen), Matthew (Nichole), April (Jared) and Heidi (Jared), twenty grandchildren, and his siblings, Jim, Shelia, Tom, Beverly, and Dave and their families.

He was honorably laid to rest at Tahoma National Cemetery on Wednesday, April 10th. In lieu of flowers please feel free to donate to Fred Hutch's Patient and Family Assistance Fund. They took good care of him.



Some of Mark's Work for the Cascade Mineralogical Society

March 2016 – appointed to the Board as Director.

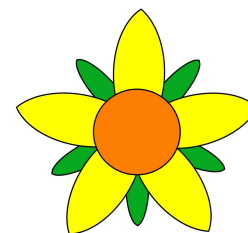
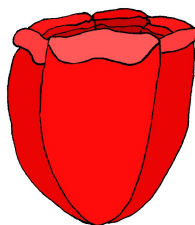
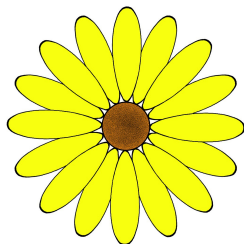
August 2016 – officially became the club webmaster, although he had begun working on what the site would look like before that. He also helped out with the club's Facebook page. Won first place in the NFMS Awards for club websites many times.

September 2016 – became the new Membership chairman.

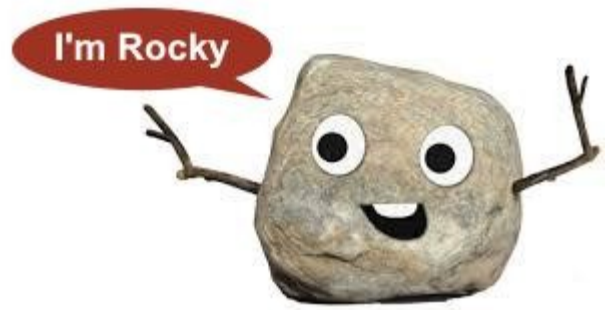
November 2016 elected to a two-year term as Director.

July 2017 – became the show chairman, stepping down in 2019.

He did a lot of work for the club and he will be missed.



Young Tumblers News



Rock Bucks

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

Earn \$2 "Rock Bucks" for attending a meeting.

You can earn an additional \$3 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!



Young Tumblers Club - Juniors Newsletter

The AFMS Juniors Division issues a newsletter for our Young Tumblers by our Young Tumblers. Be sure to download a copy if you have a Young Tumbler. It is an excellent addition to their program, so check it out.

<https://www.juniors.amfed.org/juniors-newsletter>

If your youngster likes to write, encourage them to write an article for "Crack the News."

Derivation Of "Corundum"

In the Tamil-Dravidian language the word for rubies and sapphires is kurundam. This language is an official language of Sri Lanka, Singapore, and the Indian state of Tamil Nadu. Tamil is one of the oldest surviving classical languages in the world.

from Maplewood Rock and Gem Club, 9/21

Tourmaline by Katelyn Livingston

Tourmaline is one of the few gems that can be found in nearly every color. Tourmaline is also pleochroic meaning it can show different colors in different crystal directions.

from Beehive Buzzer, 10/23

Hunting Sharks in Brazil

Ancient indigenous Brazilians hunted sharks. New studies show that shark meat may have constituted half of their diet and that the beasts' teeth were used as arrow tips and razor blades.

from The Ecphora, 3/22

Cactus Quartz, Spirit Quartz, and Pineapple Quartz are three names that refer to quartz crystals where smaller crystals have grown on the faces of a larger crystal and cause it to resemble a cactus or pineapple.

Solution To The Sneaky Snakes Word Find

Hope it wasn't too hard and you had fun.

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

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>).

May 11

Cascade Mineralogical Society - First Creek - agate, jasper, crystal, geodes.

Difficulty Rating 5. This is a 2 mile hike on good road bed. Wagons and carts work on this road. Collecting is up steep slopes to reach dig areas and rock slides.

Roger Danneman Roger.Danneman@gmail.com

May 18

Darrington Rock Club - Bailey Trail – Meet before 9 am Verlot Ranger Station – Chert - Bring rock hammers & large hammers, pry bar

Ed Lehman wsmced@hotmail.com h# (425) 334-6282 c# (425) 760-2786

May 19

Cascade Mineralogical Society - First Creek - agate, jasper, crystal, geodes - Loren leading

Louisiana Stones by Roger Burford, AFMS President

Now for a little information about the stones we have here in Louisiana that didn't come from somewhere else. Our state mineral is a banded river agate, which originally formed within limestone coming from the states further to the north down the various rivers and creeks and settling onto the sand bars in Mississippi and Louisiana. While they are pretty, they are not native to Louisiana. We also have sandstone and ironstone, which I haven't seen many rockhounds striving to put in their collections.

Louisiana does have many minerals which did form here. You may know that one is salt. We also have sulfur (element & mineral) and gypsum (mineral), which support numerous industries, but to me do not qualify as "rocks."

Our state gemstone is a cabochon cut from the shells of *Crassostrea virginica* oyster, one of dozens of mollusk varieties. Anyone who has eaten oysters on the half shell can now look at the shell and say to yourself, "That would make a great pendant." The idea to use oyster shells was developed to help the oyster industry here and to figure out another use for the shells that were and still are, in places, used to pave roads.

There is a stone that originally formed here but is no longer mined: the Louisiana Opal. This was mined at the Hidden Fire Mine from 1980 to 1983 when Ben Stevens obtained an exploratory lease on the area where the opal was found. No one would believe an opal could form here, but Ben proved them wrong when the stone was tested and proved to be a true opal. During the years the mine was open, Ben and his wife Lynn traveled around the country in their motor home to attend gem shows and try to sell their precious opal. But it wasn't easy -- people were leery to buy a stone they had never heard of. They continued to travel to shows until Ben's passing. Many years have passed, the mine is closed, never to be reopened, and people are finally recognizing this opal's beauty and increasing rarity.

Our state fossil -- a petrified palm of the genus *Palmoxylon* -- did not produce a true "wood" composed of cellulose and lignin. Instead, it was a plant that resembled a modern palm tree with a trunk made up of parenchyma, a fibrous support material that surrounded hollow tubes of the plant's vascular structure known as xylem and phloem. These tubes transported water, nutrients, wastes, and other materials throughout the plant. It is mostly found in the western part of the state, about 100 miles from the current coastline. Petrified palm can be used to make some very pretty cabochons and comes in several colors. You can also find petrified wood in rivers and streams all over the state.

I hope this information helps you understand why those of us from Louisiana are rock starved.

from AFMS Newsletter, 12/23

Put On Your Boots!

Did you know that rockhounds most often find gem quality corundum in streams. Because they are very dense (and therefore heavier than other rocks), rubies and sapphires stay close to where they emerged from the earth. Rain and flowing water cannot easily propel them downstream.

from Maplewood Rock and Gem Club, 9/21

Gem & Mineral Quotes From Various Sources

"A gem cannot be polished without friction, nor a person perfected without trials." ~ Lucius Annaeus Seneca

"As in geology, so in social institutions, we may discover the causes of all past changes in the present invariable order of society." ~ Henry David Thoreau

from Maplewood Rock and Gem Club, 9/21

"Rock gives reality to the otherwise abstract notion of transhuman time." - Edward Abbey

from Beehive Buzzer, 12/10

Shows

May 4 & 5: Saturday & Sunday 10 am – 5 pm
Everett Rock and Gem Club, 69th Annual Show
Evergreen State Fairgrounds
18359 Cascade View Drive
Monroe, WA

May 4 & 5: Saturday 9 am – 5 pm; Sunday 10 am – 4 pm
Umpqua Gem & Mineral Club, 52nd Annual Show “One More Rock”
Douglas County Fairgrounds
2110 Frear Ave, I-5 Exit 123
Roseburg, Oregon

May 10 – 12: Friday 10 am – 6 pm; Saturday 10 am – 5 pm; Sunday 10 am – 4 pm
Hatrockhounds Gem & Mineral Society & NFMS, Natures Treasures Underfoot
Eastern Oregon Trade & Event Center
1705 East Airport Road
Hermiston, Oregon

May 25 & 26: Saturday 9 am – 6 pm; Sunday 10 am – 4 pm
Clackamette Mineral & Gem Club, 59th Annual Show
Clackamas County Fairgrounds
694 NE 4th Ave.
Canby, Oregon

May 31 – June 2: Friday 12 noon – 5 pm; Saturday 10 am – 5 pm; Sunday 10 am – 3 pm
Puyallup Valley Gem and Mineral Club, 2024 Gem & Mineral Show
Swiss Park
9205 198th Ave. East
Bonney Lake, WA

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