

# The CMS Tumbler

October 2023



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

Next Meeting:  
October 12, 2023  
7:00 p.m.

American Legion Hall  
25406 97th Pl S  
Kent, WA

The Program & the  
Show & Tell  
Theme is Rock'in  
Good Halloween  
Costume Contest

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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](https://www.youtube.com/channel/UCaGIJxaWFatV_JjgZRm9ESA)

This month remember  
to wish a

**Morgan Dale on October 3**

**Kat Koch on October 4**

**Lori Lowrance on October 10**

**Keith Alan Morgan on October 11**

**Brett Petty on October 15**

**Beth Mason on October 16**

**Sara Niegowski on October 22**

**Justin Cerenzie on October 24**

**Erica Dunham on October 24**

and also remember  
to wish a

Happy Anniversary to

**Chris & Beckie Holden on October 8**

**Les & Sheri Church on October 20**

**Gina Lisak & Michael Kelly on October 28**



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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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Seattle, WA 98121

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Postal, or Email, Exchange  
Bulletins are welcome.  
Email preferred.  
[greenrockdraggin@yahoo.com](mailto:greenrockdraggin@yahoo.com)

**2023 Elected Officers**

President Kat Koch	425-765-5408	<a href="mailto:president@cascademineralogicalsociety.org">president@cascademineralogicalsociety.org</a>
Vice President Linda Jorza	206-478-1642	<a href="mailto:ljorza@gmail.com">ljorza@gmail.com</a>
Treasurer Ananda Cooley	206-683-7787	<a href="mailto:cascademstreasurer@gmail.com">cascademstreasurer@gmail.com</a>
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Director 2 - Field Trips Roger Danneman	425-228-8781	<a href="mailto:roger.danneman@gmail.com">roger.danneman@gmail.com</a>
Director 3 - Programs Paul Ahnberg	941-704-2063	<a href="mailto:runhikebird@icloud.com">runhikebird@icloud.com</a>
Director 4 - At Large Richard Russell	253-736-3693	<a href="mailto:richru1@yahoo.com">richru1@yahoo.com</a>
Past President Malcolm Wheeler Sr.	253-569-5185	<a href="mailto:facetguru@aol.com">facetguru@aol.com</a>
Show Coordinator Christina Vitellaro	425-351-4737	<a href="mailto:bluefirtree@comcast.net">bluefirtree@comcast.net</a>
Federation Representative Michael Blanton	425-271-8757	<a href="mailto:mblanton41@hotmail.com">mblanton41@hotmail.com</a>
Federation Representative Kat Koch	425-765-5408	<a href="mailto:president@cascademineralogicalsociety.org">president@cascademineralogicalsociety.org</a>
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Mineral Council Ananda Cooley	206-683-7787	<a href="mailto:cascademstreasurer@gmail.com">cascademstreasurer@gmail.com</a>

**2023 Show Committee Chairs**

Cascade Coordinator Christina Vitellaro	425-351-4737	<a href="mailto:bluefirtree@comcast.net">bluefirtree@comcast.net</a>
Cascade Co #2 Peggy Shashy	904-655-3241	<a href="mailto:14thebirds@bellsouth.net">14thebirds@bellsouth.net</a>
Cascade Co #3	Vacant	
Book Display Cases Peggy Shashy	904-655-3241	<a href="mailto:14thebirds@bellsouth.net">14thebirds@bellsouth.net</a>
Show Display Cases Refurbish Roger Danneman	425-228-8781	<a href="mailto:Roger.Danneman@gmail.com">Roger.Danneman@gmail.com</a>
Mail Flyers Ananda Cooley	206-683-7787	<a href="mailto:cascademstreasurer@gmail.com">cascademstreasurer@gmail.com</a>
Show Treasurer Pete Williams	425-228-5063	<a href="mailto:petewill02@gmail.com">petewill02@gmail.com</a>
Show Silent Auction (shared) Richard Russell	253-736-3693	<a href="mailto:richru1@yahoo.com">richru1@yahoo.com</a>
Show Silent Auction (shared) Noelle Barnes	206-914-0514	<a href="mailto:noelleb@outlook.com">noelleb@outlook.com</a>
Pre-Show Raffle Case & Donation Requests Kat Koch	425-765-5408	<a href="mailto:president@cascademineralogicalsociety.org">president@cascademineralogicalsociety.org</a>
Show Raffle Case Display Terri Gerard	206-437-0240	<a href="mailto:eyeballgraphics2002@yahoo.com">eyeballgraphics2002@yahoo.com</a>
Raffle Prize Distribution Jennifer Russell	253-736-3693	<a href="mailto:richru1@yahoo.com">richru1@yahoo.com</a>
Show Demonstrators Richard Russell	253-736-3693	<a href="mailto:richru1@yahoo.com">richru1@yahoo.com</a>
Show Load In/Out		
Show Display Case Presenters Peggy Shashy	904-655-3241	<a href="mailto:14thebirds@bellsouth.net">14thebirds@bellsouth.net</a>
Show Road Signs		
Show Event Volunteer Recruiter		
Show Refreshments Angie & Brian Bayer	253-569-0245	Text to her number (no email)
Spinning Wheel Angie & Brian Bayer	253-569-0245	Text to her number (no email)
Show Website Kat Koch	425-765-5408	<a href="mailto:vendorchair@cascademineralogicalsociety.org">vendorchair@cascademineralogicalsociety.org</a>
Show Vendor Chairman Kat Koch	425-765-5408	<a href="mailto:vendorchair@cascademineralogicalsociety.org">vendorchair@cascademineralogicalsociety.org</a>
Show Food Trucks Paul Arhnberg	941-704-2063	<a href="mailto:runhikebird@icloud.com">runhikebird@icloud.com</a>

**2023 Committee Chairs**

Club Historian Jim Cerenzie	253-638-1478	<a href="mailto:jcerenzie@yahoo.com">jcerenzie@yahoo.com</a>
Donations Kat Koch	425-765-5408	<a href="mailto:president@cascademineralogicalsociety.org">president@cascademineralogicalsociety.org</a>
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Health & Welfare Bev Williams	425-228-5063	<a href="mailto:britbev1957@outlook.com">britbev1957@outlook.com</a>
Library Diana Horsfall	425-226-3154	<a href="mailto:dianahorsfall@comcast.net">dianahorsfall@comcast.net</a>
Meeting Greeters Angie & Brian Bayer	253-569-0245	Text to her number (no email)
Meeting Programs Paul Arhnberg	941-704-2063	<a href="mailto:runhikebird@icloud.com">runhikebird@icloud.com</a>
Membership Kari Crockett	253-392-8466	<a href="mailto:kari.ashley.c@gmail.com">kari.ashley.c@gmail.com</a>
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Shop Instructors (Temp) Roger Danneman	425-228-8781	<a href="mailto:roger.danneman@gmail.com">roger.danneman@gmail.com</a>
Shop Reservations Diana Horsfall	425-226-3154	<a href="mailto:dianahorsfall@comcast.net">dianahorsfall@comcast.net</a>
Public Relations Kat Koch	425-765-5408	<a href="mailto:president@cascademineralogicalsociety.org">president@cascademineralogicalsociety.org</a>
Refreshment Angie & Brian Bayer	253-569-0245	Text to her number (no email)
Raffle Master Roger Pullen	206-387-3214	Phone calls only. No email or texting.
Show & Tell Michael Blanton	425-271-8757	<a href="mailto:mblanton41@hotmail.com">mblanton41@hotmail.com</a>
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Facebook Group Roger Danneman	425-228-8781	<a href="mailto:Roger.Danneman@gmail.com">Roger.Danneman@gmail.com</a>
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Instagram Gina Manso	425-281-3502	<a href="mailto:ginamanso51@gmail.com">ginamanso51@gmail.com</a>
All Other Social Media Kat Koch	425-765-5408	<a href="mailto:president@cascademineralogicalsociety.org">president@cascademineralogicalsociety.org</a>
West Seattle Timebank Volunteers Linda Jorza	206-478-1642	<a href="mailto:ljorza@gmail.com">ljorza@gmail.com</a>
Videographer – YouTube Channel	Vacant need volunteer	

2023 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/>




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## 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](mailto: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](http://jerrysrockandgem.com) [jerrysrockandgem@msn.com](mailto:jerrysrockandgem@msn.com)  
 Follow us on Facebook **253-852-0539**

**Black Jack's Metal Detectors**  
  
 AND MINING EQUIPMENT!

### Black Jack's Metal Detectors

Mining Equipment, Low Pressure Dive, & Rock Shop!  
[www.BlackJacksMetalDetectors.com](http://www.BlackJacksMetalDetectors.com)  
 Your place for Metal Detecting & Mining Equipment

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



### SoDo Rocks

Friday thru Sunday  
 10 am to 4 pm

2700 4th Ave S, Seattle, WA 98121

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

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

### New for Members Only – New Texting Service

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

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



Access CMS Club Instagram page



For quick access, you can scan the following codes.

Access our CMS YouTube channel



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

Access CMS Facebook Groups



## October

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7 Marysville Show
8 Marysville Show	9 Board Meeting 7:00 pm	10	11 International Fossil Day	12 General Meeting 7:00 pm	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31 		<b>Happy Halloween</b> Watch out for the little monsters in costumes!		

CMS Show Committee Meeting:....Monday, October 9.....6:30 pm to 7:00 pm

CMS Board Meeting:.....Monday, October 9.....7:00 pm to 8:00 pm

CMS General Meeting:.....2nd Thursday, October 12.....7:00 pm to 9:00 pm

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

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

More Field Trip info can be found on Page 15

More Show info can be found on Page 16



Photo by Roger Danneman

Quip by KAM

## CMS Board Meeting Minutes September 11, 2023

by Pete Williams, 2023 Secretary

*Attendees: Kat Koch; Linda Jorza; Pete Williams; Rich Russell; Mike Blanton; Ananda Cooley; Roger Danneman; Peggy Shashy; Chris Vitellaro; Paul Arhnberg*

### Show Committee 6:33

Chris led a review of the list of supplies needed for each area – spinning wheel, memberships, raffle, club sales, and silent auction. The floor plan and list of volunteers was also reviewed.

### Board Meeting 8:07

There were 100 Eventbrite tickets given for the show. We now have 139 family memberships.

Awards received at the NFMS/AFMS show in Billings, MT this year will be handed out at the September meeting. The program will be "I found it, I bought it, and I made it" with prizes given for each category. Kat will hand out vests for each of the youth. The November meeting will consist of a review of club field trips with materials collected at each site.

The club Christmas party will be on December 3 at the American Legion Hall.

Meeting adjourned at 8:11

## CMS General Meeting Minutes September 14, 2023

by Pete Williams, 2023 Secretary

Meeting called to order at 7:25

Chris reviewed the status of the Rock and Gem show this weekend. There are 32 vendors. The program was "I made it, I bought it, I found it" with prizes awarded for youth and adults in each category. We now have 139 family memberships.

Kat handed out the numerous awards our council received at the North American Federation of Mineralogical Societies (NFMS)/ American Federation of Mineralogical Societies (AFMS) show in Billings, MT in August.

## From the Top of the Rock Pile... by Kat Koch, 2023 CMS President

Our Cascade Gem Show was a huge success! A huge thank you, Chris, for putting together a fantastic show. All your hard work is much appreciated.

This year, we tried a couple of new things to bring in additional revenue, such as the club sales table and the sifting bag activity. The silent auction and raffle ticket sales also went very well. Thank you, Rich, Noelle, Paul, and Peggy, for being there the entire show and doing a great job.

Once the final show accounting is completed, I am confident it will be our most profitable show to date.

I am working on getting our Young Tumbler's Club up and going. Our four young members earned their first badge by doing a display case at our show. I will be handing out their badge at the October meeting.

I am seeking an assistant to help me at the Young Tumbler's Club meetings. I need to know if the present members would like to meet at 6:10 pm before the monthly meeting or once a month on a Saturday morning. If we meet on a Saturday morning, for 40 minutes, we can do so at the most convenient library. Please let me know your opinions and if you would like to help.

I would also like to thank Jim Cerenzie for volunteering as Club Historian. I hope everyone saw the excellent club history display case he did for our gen show. I have been concerned about our club losing its memorabilia, pictures, etc. It is now in great hands. If you have any photos, old Tumbler issues, show flyers, etc., please forward or give them to Jim.

We need someone to run for the position of Vice President. We need someone to run for the position of Vice President. They must be willing to run the monthly general meetings when the President can't. Attend the online video board meetings. Help oversee all the club functions and volunteers. Essentially, they help the President make sure everything is running smoothly.

We continue to get new members online or in person at our monthly meetings. Our membership is presently at 140 families! We welcome each of you to our great rock and gem club. When you attend our monthly meeting, please introduce yourself to me, as I look forward to meeting each of you.

I want to welcome the new families that joined our club at our gem show.

I look forward to seeing everyone at our October meeting. Look for further details elsewhere in this issue of the Tumbler.



*Welcome*  
New Members

## 1,062 Stamps!

That is how many stamps I was able to hand over to the NFMS Stamp Collection Committee in Billings. These stamps are sold to stamp collectors, and the proceeds are donated to cancer research. The NFMS makes a substantial donation every year.

CMS members saved and donated more stamps than ever before. Can you believe 1,062 stamps!!! Let's see if we can surpass that number in 2023-2024.



## General Meeting – Thursday, October 12th

**Topic:** Rock'in Good Halloween Costume Contest

Dress up a rock, mineral, or fossil for Halloween.

You can paint it, put a hat on it, or dress it up in a Halloween costume.

It can even be a haunted scene.

Be creative, and let your imagination run wild!

We will give 1st and 2nd prizes to both adults and Young Tumblers.

Preceding our Halloween Rock Costume contest, we will have a recap of our show.

**Show 'n Tell:** They are your above entries.



## General Meeting – Thursday, November 9th

**Topic:** As our field trips for 2023 come to an end, Roger Danneman, our Field Trip Guide, will talk about the field trips of 2023 and show off what was found. It will be interesting to see what can be found around Washington, as Roger has led our group on some great field trips.

**Show 'n Tell:** What have you found? Did you find something on the beach, on a field trip, in someone's driveway, in a river, in a parking lot, or your backyard? Show us your finds.



## General Meeting – Sunday, December 3rd

**Topic:** Our Annual Holiday party, potluck, the election of Officers, and action.

**Potluck:** The club provides turkey and ham. Members fill in with veggies, salad, rolls, butter, dessert, drinks, etc.

We generally have around 40 to 45 members attend. Bring your plate and silverware.

Setup is at 11:30 am, and dinner is at noon. We usually wrap things up by 4 pm.

**Election:** After dinner, we hold the election of the Board of Directors for 2024. See Pete, the club secretary, if you want to volunteer for a Board position.

**Club Auction.** Our club auctions are a great chance to pick up items at a fraction of their retail cost. You are welcome to donate items to the auction. All proceeds go to the club treasury to cover expenses.

Our Young Tumblers can also spend their "Rock Bucks" at the auction that they have saved, just like cash for items they want.



## Looking For Volunteers

**Show Chairman:** Our Gem Show is moving to Kent Commons in 2024. We need a Show Chairman before we put the deposit down on the venue. If we don't have this position filled by December 1st, we will not have a show in 2024. The show dates will be June 29 – 30, 2024, with set up on June 28th.

**Show Volunteer Coordinator:** This is another position we need to be filled by December 1st. This position will be responsible for booking the volunteers and making up the volunteer schedule. We generally require 50 volunteers to do a show.

The above two positions must be filled before a deposit is made on the Kent Commons venue.

The deadline to confirm these two positions is December 1, 2023.

We need time to file the application for the venue, put insurance coverage in place, and the deposit made by the



end of the year.

We may have a Show Chairman if we can get a Volunteer Coordinator to step up.  
So please seriously consider volunteering!

**Vice President:** We need someone to run for the position of Vice President. They must be willing to run the monthly general meetings when the President can't. Attend the online video board meetings. Help oversee all the club functions and volunteers. Essentially, they help the President make sure everything is running smoothly.

**Videographer:** Needed at our general meetings: A volunteer to videotape our meetings. Up to you if you want to edit the video or not. We have free editing software to post the video to our YouTube club channel. We meet on Thursday, and the video needs to be uploaded by the following Thursday.

If you decide you can help out, text or call Kat Koch. [president@cascademineralogicalsociety.org](mailto:president@cascademineralogicalsociety.org) or 425-765-5408.

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## Celebrating 75th Years in 2023!

Happy Birthday CMS

Thank you to every one of you for making CMS a success!



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## Announcing the 2023 NFMS and AFMS Awards That CMS Won!

I am so proud of our club and our volunteers' work.

### NFMS Awards – Northwest Regional Awards

1st Place - Cascade Mineralogical Society, Kent, WA  
Large Bulletin: February 2022, Keith Morgan, Editor (Plaque)

1st Place - Cascade Mineralogical Society, Kent, WA  
Feature A - Message: How I Got Into Rockhounding June 2022 by Roger Danneman

1st Place – Cascade Mineralogical Society, Kent, WA  
Adult Article B: Do You Know A Diamond When You See It? June 2022 by Kat Koch

1st Place – Cascade Mineralogical Society, Kent, WA  
Adult Article C: April Field Trip Report May 2022 by Roger Danneman

1st Place – Cascade Mineralogical Society, Kent, WA  
Adult Article D: Flowers That Rock February 2022 by Kat Koch

1st Place - Cascade Mineralogical Society, Kent, WA  
Feature F – Cartoon: Chips June 2022 by Keith Morgan

1st Place - Cascade Mineralogical Society, Kent, WA (Plaque)  
2022 Website Contest: Gina Manso, Webmaster



### AFMS Awards – National Awards

AFMS 2023 Editors Hall of Fame Awards  
Keith Morgan – The CMS Tumbler Cascade Mineralogical Society, Kent, WA  
This award is only given in our region every seven years. Keith Morgan is the first recipient of the NFMS Region.

2nd Place – Website Award  
Cascade Mineralogical Society, Kent, WA Gina Manso, Webmaster

5th Place - Cascade Mineralogical Society, Kent, WA  
The CMS Tumbler – Keith Morgan, Editor

8th Place - Cascade Mineralogical Society, Kent, WA  
Written Feature: How I Got Into Rockhounding June 2022 by Roger Danneman

Honorable Mention - Cascade Mineralogical Society, Kent, WA  
Adult Article: April Field Trip Report May 2022 by Roger Danneman

## 2023 Cascade Gem & Mineral Show by Noelle Barnes

We have closed the doors on another great Cascade Gem & Mineral Show.

Once again held at Green River College in Auburn, the 2023 show celebrated the 75th anniversary of the Cascade Mineralogical Society. Started in 1948 by three people who shared a common passion, the original club name was the SEBAC Mineralogical Society - Seattle Boeing Airplane Company.

Of the 14 club member display cases in the center of the room, one celebrated this history, with 13 other cases highlighting beautiful arrangements of materials that club members have collected and worked on over the years. Three cases were created by Young Tumblers Eli & Levi Dobner, Mason Norgard and Jude Niegowski. The cases were all terrific this year - thank you to everyone who took the time to set them up.

This year's show had 31 vendors, with a variety of beautiful booths and tables selling a wide array of minerals, rocks, and fossils as rough, display, jewelry, and more. Three dealers had very specialized items, including larimar, amber, and metal and gold detecting equipment. Again this year, we had several comments on how well we treat our vendors; Kat was told that no other event provides vendor loading help like we do, or the coffee and donuts like we have in the morning. We're glad to be regarded so well, and we hope to see them all again at next year's show.

The club's Silent Auction tables were kept busy both days with hundreds of pieces of petrified wood, agate, jasper, fossil, tumbled stones, thundereggs, and much more, each finding new homes with excited winners every 15 minutes. The club's custom bags were this year's special addition to the club sales table, which had solid success with its variety of items for sale. A highlight was the bags of sifting sand filled to the brim with really nice pieces of crystal, tumbled stones, pyrite, and so much more - the sifting station outside was fun to watch! As always, the spinning wheel was very popular. We greatly appreciate all of the donations that made all of these parts of the show so enjoyable - and a big thanks to John Cornell, Dave Cornell, Angie Bayer, and Rich Russell for helping those donations find their way to the show and to our happy visitors.

Finally, the raffle at the end of the show on Sunday was terrific. The three cases full of items hit the spot with raffle ticket buyers, and the winners were so excited to take home their prizes.

A show like this cannot happen without the countless hours and dedication of many volunteers. With that in mind, we want to recognize and thank the people who made this show happen, realizing that we may have missed some folks, for which we apologize:

Chris Vitellaro, for chairing this event, and countless other tasks which are too many to list here.

Joshua Dobner for leading load-in and load out, and John Cornell, Dave Cornell, Scott Medlin, Diana Horsfall, Kamera Mural, Rich Russell, Scott Ryan, Pete Williams, Eli Dobner, Aidan Cerenzie, Alex Danneman, and Mike Blanton for helping our vendors and volunteers arrive, depart, and clean up - and stay fed and hydrated.

Larry Covell for leading the parking lot shuffle during load-in.

Peggy Shashy, Roger Danneman, and Terri Gerard for ensuring the display and raffle cases looked amazing.

Rich Russell and Noelle Barnes for running the silent auction, Paul Ahnberg for working it the entire weekend, Malcolm Wheeler, Keith Morgan, Roger Danneman, and Auctioneer Emeritus Mike Blanton.

Mike Blanton for leading the spinning wheel setup, and Malcolm Wheeler and Robert Merriman for helping kids spin and win rocks.

Kat Koch for many jobs, including supervising vendor setup on Saturday and stepping in as show lead on Sunday for Chris.

Linda Jorza, Larry Covell, John Norgard, Mason Norgard, Jeanie Light, Ananda Cooley, Kari Crockett, Ann Svensson, Marion Richards, Roger Pullen for working the entrance table.



Peggy Shashy for leading the sand sifting table outside (with the heat and yellowjackets!) and Noah Dobner for helping.

Scott Miles and Loren Merriman for working the Club Membership table.

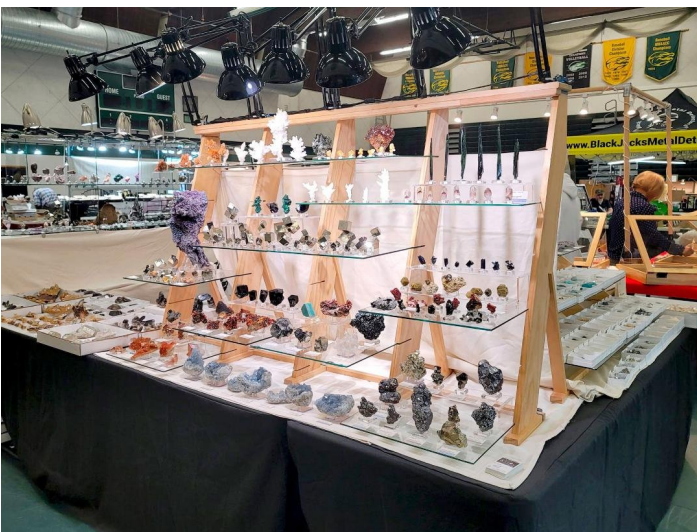
Lauri Miles, Scott Miles, Marion Richards, and Jim Cerenzie for selling tickets at the Raffle Sales table and for calling the raffle winners Sunday afternoon.

Bev Williams & Pete Williams for packing up the unclaimed raffle prizes, and Jennifer Russell for mailing prizes to winners.

Rachel Norgard, Ananda Cooley, Randi Smith, and Larry Smith and Kat Koch for selling at our Club Sales table.

Everyone else who helped with so many other critical jobs throughout the weekend, including (but not limited to!) Dave Abergel, Cherie Covington, Alex Danneman, Aaron DeSelms, Becky Patterson, Lee Oliver, Alex Vitellaro, Nathan Vitellaro, and Nevin.

There were also many hours spent ahead of the meeting on so many more tasks, by the Show Board and the Club Board - thank you to everyone who donated their time and effort.



Thanks to John Cornell, Roger Danneman, Scott and Lauri Miles, and Jim Cerenzie for the photos.

## Is The Secret To Losing Weight To Move To The Canadian Tundra? by Kat Koch

Did you know you will always weigh LESS in various parts of Canada? If you usually weigh 150 lbs, the scale will read 149.994 lbs near the Hudson Bay area!

Researchers in the 1960s, while mapping variations across Earth's gravitational fields for the first time, discovered that everything weighed ever so slightly less around Canada's Hudson Bay area. In an area of over 500,000 square miles, you will lose around 1/25,000 of your body weight.

No diet, no exercising. It happens even if you are a couch potato. Do you have any idea why this occurs?

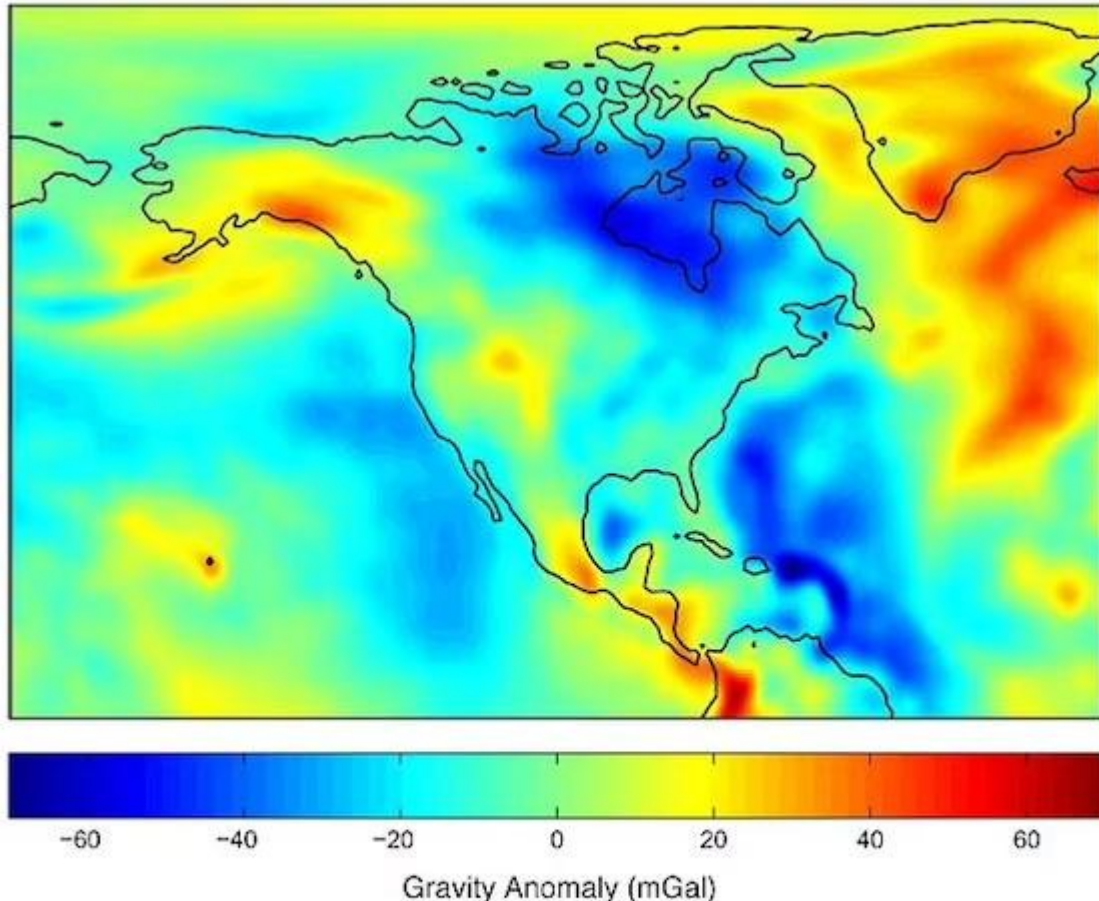
It has taken scientists years to figure out why this happens. Physicists now say, "It is due to a crustal deformation that happened during the last ice age."

The cause? Reduced molten magma under the region's surface was squished out by pressure above ground from

two gigantic glaciers during the last ice age. Around 20,000 years ago, Canada and much of North America lay in cold storage underneath the Laurentide Ice Sheet. This expansive glacier was about two miles thick in the regions near Hudson Bay. Scientists determined that a couple of miles of ice is heavy enough to depress the crust. Under the crushing weight of the Laurentide Ice Sheet, the Earth's crust around Hudson Bay began to compress and sink. The process shifted away some of the hot magma in the semifluid mantle layer beneath it like a squished sandwich, pushing away peanut butter and jelly.

The gradual recession of the Laurentide Ice Sheet over the next 10,000 years was responsible for many North American landmarks, such as the Great Lakes. Geophysicist Mark Tamisiea of the Harvard-Smithsonian Center for Astrophysics in Cambridge, Massachusetts, says, "It will take up to 300,000 years for the regions' gravity to even out to the global average."

Bibliography: Daily Mail, [Earthobservatory.nasa.gov/features/GRACE](http://Earthobservatory.nasa.gov/features/GRACE)



This map of the Earth's gravity field, published from work by joint NASA-German Aerospace Center Gravity Recovery and Climate Experiment (GRACE) mission on July 30, 2003, shows in deep blue the unusual gravity anomaly surrounding Canada's salty northeastern Hudson Bay.

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## Lepidolite

Lepidolite is a mica indicating that the crystals readily split into thin elastic plates. That means it has perfect basal cleavage.

Lepidolite is the most common mineral with lithium, although sometimes it contains aluminum, instead of lithium. It is also a major source of rubidium, an alkali metal. Because lepidolite has a restricted range of composition rather than a strict chemical formula, not all lepidolite contains rubidium.

Rockhounds often favor polished lepidolite that has a pinkish or purplish color with sparkling mica within. This mineral naturally occurs in a variety of colors, commonly pink, purple, and red, but also gray. Those colors are caused by manganese impurities. In turn, pink and red aventurine specimens sometimes get their color from flakes of lepidolite. Yellow and colorless pieces of lepidolite are rare.

from Maplewood Rock and Gem Club, 1/23

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How does an igneous rock stay cool in the summer?  
It cracks open a cold one.

from Breccia, 7/23



## Field Trip Report for Sept 9th at Frost

**Mountain** by Roger Danneman, CMS Field Trip Guide

On Sat. Sept 9th we went to Frost Mtn south of Cle Elum for jasper/agate and crystal. It was a gorgeous day with clear skies and a nice breeze. This is the first time we've taken a group into this site and is probably one of our more difficult trips because of the long drive on gravel and the 1 mile hike with some elevation gain. Last year I was part of a small group that went in to check it out and I decided the material is so unique that I wanted to add it to our list of sites.

It was a fairly big group with 10 vehicles, 19 people, and 1 little dog. Phillip guided us in on this trip since I was unsure of the route. Once we parked and hiked up to the rocky outcrop, the group surface collected crystal pieces, the blue-green jasper, rocks with druzy, and the irregular seamed agate known as Tahoma Agate. Some people covered a wide area while I stayed mainly around the rocky outcrop. We collected for about 2 1/2 hours, took in the views, chatted, and enjoyed a nice Sept. day in the mountains. My pictures show some of the material I collected. Loren explored further up and found more in the way of eroded rock piles/outcrops and I'm thinking to make another trip up there before the snow flies to get more of the agate chunks. It looks kind of junky on the outside, but cut pieces can reveal beautiful patterns inside and is generally nice and solid and takes a great polish.

Attendees: Scott M.1 & Scott M. 2, Erica D. & Chris N., Malka R., Loren M., Julie M. & Gina M., Phillip T., Kate T. and son Andre, new members Nikki P and partner and neighbor Zennetka, new member Alyssa W. and Bea, and new members Trisha and Dave, and of course me.

Our next field trip outing is to Crystal Mtn north of Ellensburg on Oct. 7th.





## The Preparation Of Opal For Making Doublets And Triplets by Don King

Although there are exceptions, Australian Andamooka Opal, Louisiana Opal-in-quartz and Honduran Opal are best when made into doublets or triplets. Opal from Spencer, Idaho is best made into a triplet. Other types of precious Opal from Australia can also be candidates for capping.

### *Types Of Opal Being Capped.*

The Andamooka matrix Opal, while not difficult to sand and polish presents as a better stone when capped with optical quartz or glass. The Louisiana Opal in quartz is almost impossible to get a good show piece since the quartz tends to pop out during the grinding and polishing phases. The Honduran Opal is in a matrix that generally has white/grey/brown patch scattered throughout the stone. I generally prefer to slice the rough if it isn't already sliced.

### *Capping.*

Since we are going to cap the opal, the stone can be as little as 1/8 to 1/4 inch in thickness (for doublets). This thickness does not require additional backing for strength.

Triplets will require a backing of basalt or other type stone since the Opal will be very thin and not have the thickness for the strength needed to make a good solid stone. I recommend pre-forming the stone with the flat top like it came from the trim saw. The flat top is rough ground on a Flat Lap of 400 to 600 grit. Flat topping can not usually be accomplished on a standard capping machine round wheel. The sides (edges, and bottom) of the stone (for doublets) should be sanded and polished to size. The top side (the side with the best color play) should be left slightly rough. The cap stone (optical quartz or glass) should have the bottom side (the side to be glued to the stone) roughed on a 400 to 600 grit flat lap.

The cap can later be finished to size after completing the capping. To cap a stone, first mix Epoxy according to the directions of manufacturer. I recommend using a glass rod for mixing. Mix slowly so as to minimize the amount of air bubbles in the bonding material. Use Epoxy 330 Water Clear for best results. Pop any air bubbles with a toothpick or pin. A gentle breath blown across the mixture may also pop some of the trapped air bubbles. Put stone on wax paper or other throw away material. Apply epoxy to prepared Opal form, align cap (rough side down) over pre-form and apply gentle pressure to work any remaining air bubbles or air pockets. The epoxy sets up better if kept warm for several hours before touching or moving the stone. Any excess epoxy that may drip off on the wax paper can be thrown away, or may be ground off during the finishing of the cab work after the epoxy has hardened, usually overnight.

### *To Form A Triplet.*

A triplet may be prepared in a similar manner, except the Opal will be set sandwiched between the quartz cap and a solid back made from basalt or some other type dark stone

via Grindings, 8/14; via CM, 9/14; via West Seattle Petroglyphs, 3/14; from Snoopy Gems, 5/08

Did you see the rockhound towing a crate of rocks behind his car?  
He had a wide lode sign.

What did the one volcano say to the other volcano?  
"Hey, do you want to be my lava?"

from Breccia, 7/23

## Young Tumbler's Club

### Rock Bucks

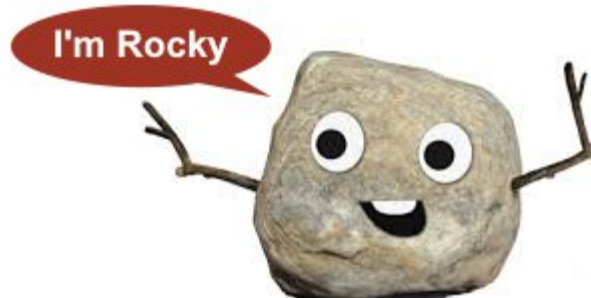
Just a reminder that all Young Tumblers under 15 can easily earn "Rock Bucks." Earn \$2 "Rock Bucks" for attending a meeting.

Earn an additional \$3 "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 Tumbler's Club – Badge Program

CMS is now enrolled in the AFMS badge program. We now have 5 Young Tumblers in our club.

Please let me know if you have a youngster who would like to be in our Young Tumblers Club and earn badges. They will earn various badges as they participate in field trips or learn about rocks and minerals.

The AFMS offers this program free of charge to clubs in the association. The AFMS-Juniors Division also produces a superb newsletter, Crack the News!, for youngsters with articles and content submitted by juniors throughout the US. You can download a copy each month at <https://www.juniors.amfed.org/juniors-newsletter>.

If you are in our Young Tumbler's Club – Badge Program and actively working on earning badges, CMS will buy you a rockhounding vest to wear and show off your badges. After successfully achieving your first badge, you will be eligible to order one.



### Congratulations to Eli Dobner, Levi Dobner, Jude Niegowski and Mason Norgard

Our four Young Tumblers had display cases at our Gem Show this year. This was their first attempt at a display case, and they did very well. We are very proud of you.

You each have earned your "Showmanship" badge. You will be receiving your badges at the October meeting.



## 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>).

### **October 6, 7, 8** Field Trip and campout at Crystal Mountain near Ellensburg (agate/jasper/crystal)

Camping here is primitive, but last year we brought our own privy. We may need 2 group campsites.

Coming up for just a Saturday trip is also an option. There is a wide variety of jasper/agate here, including travertine.

*Roger Danneman* [Roger.Danneman@gmail.com](mailto:Roger.Danneman@gmail.com) or 425-757-3506 text

### **October 14** Field Trip to Red Top (agate, jasper, and crystal)

First - A short but steep hike up to our dig site.

Second - 1/2 mile hike up moderate steep trail to the Red Top Meadow

*Roger Danneman* [Roger.Danneman@gmail.com](mailto:Roger.Danneman@gmail.com) or 425-757-3506 text

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## Lechatelierite & Moldavite

Lechatelierite is a mineraloid as it does not have a crystal structure. It is a natural silica glass that has the same chemical composition as coesite, cristobalite, stishovite, quartz, and tridymite but without the crystal structure. Although not a true mineral, it is often classified in the quartz mineral group. Two varieties are included: meteoritic silica glass, produced in the intense heat and pressure created by the impact of large meteorites; and fulgurite, produced in the heat generated by a lightning strike. Tektites, tear-shaped meteoritic glass, often contain strings or grains of lechatelierite.

A mineraloid is a naturally occurring mineral-like substance that does not demonstrate crystallinity. Mineraloids possess chemical compositions that vary beyond the generally accepted ranges for specific minerals. For example, obsidian is an amorphous glass and not a crystal. Jet is derived from decaying wood under extreme pressure. Opal is another mineraloid because of its non-crystalline nature.

### *Formation*

One common way in which lechatelierite forms naturally is by very high temperature melting of quartz sand during a lightning strike. The result is an irregular, ranching, often foamy hollow tube of silica glass called a fulgurite. Not all fulgurites are lechatelierite; the original sand must be nearly pure silica.

Lechatelierite also forms as the result of high pressure shock metamorphism during meteorite impact cratering and is a common component of a type of glassy ejecta called tektites. Most tektites are blobs of impure glassy material, but tektites from the Sahara Desert in Libya and Egypt, known as Libyan desert glass, are composed of almost pure silica that is almost pure lechatelierite. The glass was discovered by the international scientific community in 1932, but it had been used by the Ancient Egyptians as a gemstone.

High pressure experiments have shown that huge shock pressures are required to produce lechatelierite in quartz grains embedded in granite. Lechatelierite was formed during the impact of a meteorite into a layer of Coconino Sandstone at Meteor Crater in Arizona. During the rapid pressure reduction following the impact, steam expanded the newly formed lechatelierite. The shattered and expanded glass has a density less than that of water.

Lechatelierite may also form artificially, a unique example being the trinitite produced by melting of quartz sand at the first nuclear bomb explosion at Trinity Flats, White Sands, NM.

### *What is Moldavite?*

Moldavite (also called Bouteille Stone or vltavin) is a natural glass that is thought to have formed in the heat of an asteroid impact. This event occurred about 15 million years ago, and a splatter of hot glass formed a strewn field across central Europe.

Moldavite is usually yellowish green, green, or greenish brown in color. It has been cut into faceted and cabochon gemstones since the mid-1800s. These are used in rings, earrings, necklaces, pins and other types of jewelry.

Nice specimens of rough moldavite are popular with meteorite and mineral collectors. The extraterrestrial origin of moldavite gives it a special appeal to many people interested in new age, astrological, and spiritual practices.

Moldavite is thought to have formed about 15 million years ago in the impact event that produced the Ries and Steinheim craters in southeastern Germany. An incoming asteroid is thought to have broken into two pieces that produced this pair of craters. They hit with a high enough velocity to melt and splatter the target rock across a strewn field that includes portions of what is now the Czech Republic, Austria, and Germany.

Most of the splatter solidified in the air and fell to Earth in the Czech Republic. Meteorite experts have named these materials "impactites." Moldavite is also considered to be a mineraloid because it is a naturally occurring, inorganic solid that does not have a crystalline structure. It solidified so quickly that atoms did not have enough time to organize themselves into minerals.

from Grindings, 5/23

## **Rock Crystal** by Bev Eisenacher

Rock crystal is simply clear quartz crystal. Quartz is the second most abundant mineral but can take many forms. Clear crystals at a glance can be taken for diamonds (April's other birthstone) although they lack the fire and rarity of diamonds.

In fact Cape May diamonds and Herkimer diamonds are quartz.

Rhinestones were originally made from quartz pebbles found in the Rhine River. Before the time of hand held instruments with "magic" wands that can if a stone is diamond or sapphire or glass the lay mans test for diamond was whether the stone would scratch glass. Since a Herkimer diamond will also do this it was rumored in the Herkimer/Utica area, where I grew up, that some jewelers would go to New York City and sell Herkimers as diamonds. The biblical reference to the breast plate of Aaron calls the sixth stone a diamond but many experts believe it was most likely rock crystal since diamond was not generally used until about 800 B.C.

The best sources for clusters are Hot Springs, Arkansas; Cumberland, England; St. Gottard, Switzerland; Brazil and Madagascar.

Rock crystal has been used in jewelry since ancient times because of it's beauty, affordability, availability and ease of cutting. It has also been carved since early times both for ornamental and practical purposes. In prehistoric Ireland and other places stone tools were made from it. Ancient Romans made jewelry, stamps and vessels from it.

The Greeks believed the Gods drank ambrosia and nectar from crystal goblets. The carving of vessels from rock crystal was common in ancient times and is the reason that today glassware is called crystal. Originally chandeliers were made from it. The optical properties of rock crystal led to the making of prisms and lenses from it. The ancient Greeks used a crystal lens to start the Olympic fire and the Chinese and Mongolians also used rock crystal lenses for burning. It's piezoelectric properties lead to it's being used to control oscillation of electrical circuits.

As you may know, if you have been reading the birthstone articles, at the whim of the author/editor I have been including some of the lore/legend and alleged spiritual/mystical/healing properties of stones.

With the increased interest in early pagan beliefs, the so called new age, (it's actually very ancient) I have included this information as interesting and entertaining tidbits. Gem and Mineral magazine, in it's March 2013 issue, had an article on healing stones. Serenity in Stones by Susan Kearley visits Helen Shrimpton's shop, Crystal Serenity, in Princes Risborough, Buckinghamshire, England.

Rock crystal may be the most ancient, common and widespread rock of lore. The Australian-Aboriginal, mythological, mystical substance maban is most commonly identified as rock crystal. The Aztecs and Mayans made crystal skulls for the damnation of their enemies. Ancient Greeks believed the Gods wouldn't deny help to a person who came to the temple with crystals in hand. Ancient Egyptians and Native American tribes considered rock crystal sacred. Tibetan lamas used crystal balls for disclosure of the third eye. It has been said that Atlantis was destroyed by the incorrect use of crystal quartz. Edgar Cayce spoke about an energy stone in Atlantis and his description matches that of rock crystal. Rock crystal is found in passage tomb cemeteries in Europe. Ancient Tibetan, Mongolian and Chinese doctors cauterized wounds with the help of sunlight through a crystal ball.

via Golden Spike News, 8/23; from GSGM newsletter, 2016

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## **Shows**

**October 6 - 8:** Friday and Saturday 10 am - 6 pm; Sunday 10 am - 5 pm

**Portland Regional Rock and Gem Show, 42nd Annual**  
Wingspan Event Center, 801 NE 34th Ave, Hillsboro, Oregon

**October 7 & 8:** Saturday & Sunday 10 am - 5 pm

**Marysville Rock and Gem Club, 47th Rocktoberfest**  
Evergreen State Fairgrounds  
Display Bldg #500, 14405 179th Ave SE, Monroe, WA

**October 14 & 15:** Saturday & Sunday 10 am - 5 pm

**Port Moody Rock & Gem Club, Annual Show**  
Kyle Centre, 125 Kyle St., Port Moody, BC, Canada

**October 14 & 15:** Saturday 10 am - 5 pm; Sunday 10 am - 3 pm

**Surrey Rockhound Club Annual Show**  
Sullivan Hall, 6306 152 Street, Surrey, BC, Canada

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