

The CMS Tumbler



January 2024

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

Next Meeting:
January 11, 2024
7:00 p.m.

American Legion Hall
25406 97th PI S
Kent, WA

The Program is Fossils
Found in Washington

The Show & Tell
Theme is Fossils

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 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
Xuyen Cerenzie on January 1
Theresa Hall on January 1
Roger Danneman on January 8
April Marter on January 8
Mike Cites on January 12
Sheila Clark on January 12
John Haworth on January 13
Marion Richards on January 13
Jeni Lake on January 16
Sheri Church on January 16
Marilyn Murch on January 17
Rex Kullmann on January 21
Shirley Duncan on January 29
Ruby Wasley on January 29



and also remember
to wish a
Happy Anniversary to
Lori Lowrance & Eric Paulus on January 1
Catherine & Brett Petty on January 18 (22 years)

Our club's first meeting was January 13, 1949

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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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Mineral Council Ananda Cooley	206-683-7787	cascademstreasurer@gmail.com

2024 Show Committee Chairs

Cascade Coordinator Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
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Show Display Cases Refurbish Roger Danneman	425-228-8781	Roger.Danneman@gmail.com
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Show Food Trucks Paul Arhnberg	941-704-2063	runhikebird@icloud.com

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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
All Other Social Media Kat Koch	425-765-5408	president@cascademineralogicalsociety.org
West Seattle Timebank Volunteers Linda Jorza	206-478-1642	ljorza@gmail.com
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!

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

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



SoDo Rocks
 Friday thru Sunday
 10 am to 4 pm

2700 4th Ave S, Seattle, WA 98121

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

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

New for Members Only – New Texting Service

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

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



Access CMS Club Instagram page



For quick access, you can scan the following codes.

Access our CMS YouTube channel



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



Access CMS Facebook Groups



January

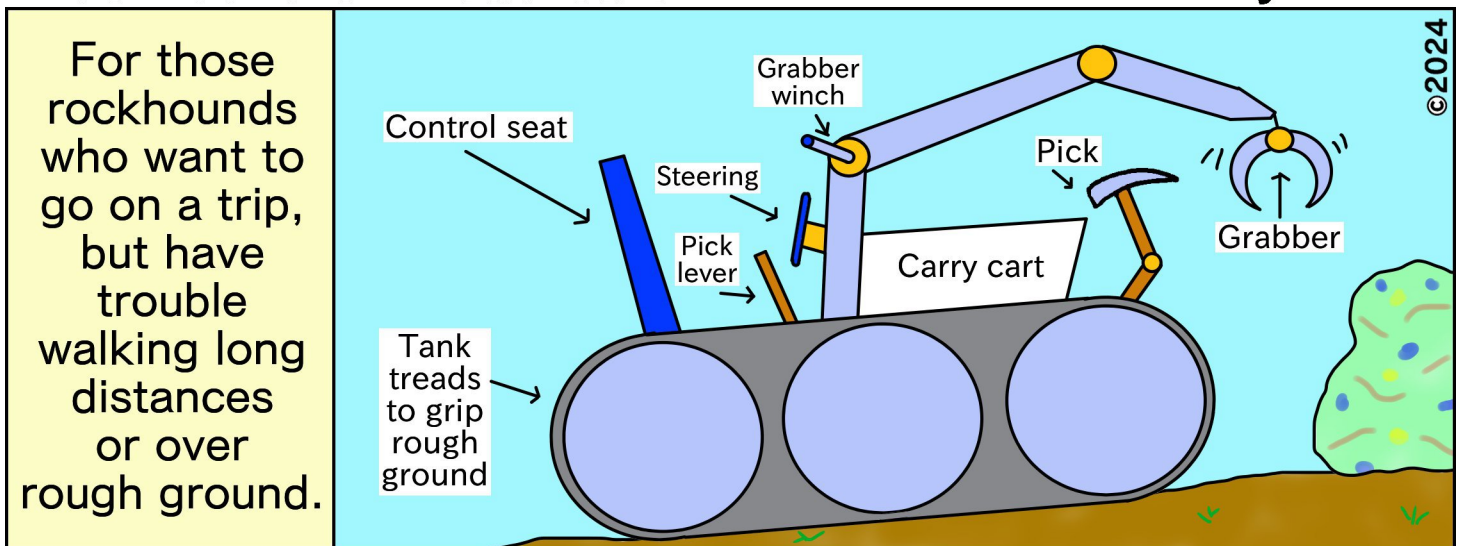
Sun	Mon	Tue	Wed	Thur	Fri	Sat
	1	2	3	4	5	6
7	8 Board Meeting 7:00 pm	9	10	11 General Meeting 7:00 pm	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	Have a Happy New Year!		

CMS Show Committee Meeting:....Monday, January 8.....6:30 pm to 7:00 pm
 CMS Board Meeting:.....Monday, January 8.....7:00 pm to 8:00 pm
 CMS General Meeting:.....2nd Thursday, January 11.....7:00 pm to 9:00 pm

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

Rockhound Off-Road Cart

by KAM



For those rockhounds who want to go on a trip, but have trouble walking long distances or over rough ground.

CMS Board Meeting Minutes December 11, 2023

No meeting.

CMS Christmas Party Minutes December 3, 2023

by Pete Williams, 2023 Secretary

The slate of officers elected at the meeting were:

CMS Election for 2024-2025

2 Year terms unless otherwise noted

Elected Positions Officers

President Kat Koch

Vice President Noelle Barnes - 1 year term so not up same year as President

Treasurer Ananda Cooley - 1 year remaining of 2 year term

Secretary Pete Williams

Show Chair Open

Director 1 Lee Oliver - 1 year remaining of 2 year term

Director 2 - Field Trips Roger Danneman

Director 3 - Texting Service Linda Jorza

Director 4 Rich Russell - 1 year remaining of 2 year term

Director 5 Paul Arhnberg

Appointed Positions

Past President Malcolm Wheeler

Federation Mike Blanton, Kat Koch

Show Volunteer Coordinator Roger Danneman

Show Club Activities Coordinator Open

WA Mineral Council Diana Horsfall



From the Top of the Rock Pile.... by Kat Koch

I thank our membership for electing me as Club President for another two years. I am so looking forward to what 2024 holds for our club.

We have a great group of members who have volunteered for the Board and various 2024 Gem Show positions. I want to extend a personal thank you to each of you.

After a long search, we have filled two essential volunteer positions. Alex Williams has volunteered to handle our YouTube channel. We will once again have new content posted to our channel. Jim Cerenzie is very active in searching out and preserving our club history. If you have any history, please get in touch with Jim to see if he has a record of it.



Our young Tumblers Club is active. Hopefully, more of our Young Tumblers will decide to participate in the club and earn Rockhounding Badges. If you are active in the badge program, the CMS will buy you a rockhounding vest for badges and field trips. I am still looking for a Mom or Dad to volunteer to help me with the program.

We have closed out 2023 with a membership of 145 families or 288 individuals — a recent milestone for our club. Welcome to our club, and I hope you renew your membership for 2024. Thank you to Roger Danneman for his excellent job leading our field trips every month. Our field trips are one of our most attended club events. Our monthly meeting attendance continues to grow back to the pre-pandemic levels. Since we have a growing membership, I hope more of our members decide to attend our monthly meeting. The larger our meeting attendance is each month, the easier it is to book quality speakers.

I look forward to seeing everyone at our January meeting.

Welcome
New Members

General Meeting – Thursday, January 11th

Topic: Fossils Found in Washington by Kat Koch

Do you know what type of fossils you can find in Washington and what they most likely looked like when they lived?

This meeting will be a PowerPoint presentation by Kat. You will be surprised by the types of fossils that are found right here in our home state. We will display several fossils, including a baby Columbian Mammoth tooth found right here in Washington. This tooth is in the club's permanent collection.

Show 'n Tell: Fossils you have in your collection.



NPS illustration by Benji Paysnoe

General Meeting – Thursday, February 8th

Topic: "You found it, now what?" by Noelle Barnes

We have many members who have gone out on field trips and have collected some excellent materials. They will give their insights into what you do with it – how you clean it, cut it, polish it, and some ideas on what you can ultimately make it into – so that folks there can get excited about upcoming field trips in the new year and, hopefully, the opening of our new shop. Some of the club members will share their insights and ideas.

Show 'n Tell: Show us what you have done with a rock, mineral, or fossil you have found.



General Meeting – Thursday, March 14th

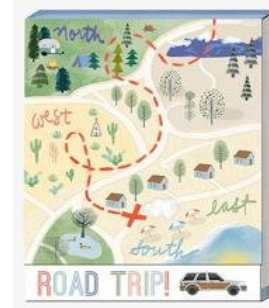
Topic: Out-of-state rockhounding sites by Roger Danneman

Oregon, Utah, Idaho, Montana, etc. - So many rockhounding places!

We have a few members who have combined a road trip vacation and rockhounding that will collaborate on this. It's interesting to see the variety of material from these areas.

After this meeting, you may want to plan a road trip too!

Show 'n Tell: Show us something you have found or bought on a road trip.



Looking For Volunteers

Show Volunteers: If you want to volunteer for our upcoming Gem Show, please get in touch with Roger Dannemen. His contact info is on the contact page of this issue.

It takes approximately 55 volunteers to set up and run our show. No matter what manner you want to help, there is a position to fit you.



Western Washington University has an excellent geology museum with many hands on displays. This a great place to visit for juniors, especially in the winter months when field collecting is not always possible.

via The Hard Rock News, 12/23; from Mineral Council Reporter, 9/23

Doltap

Doltap are stone piles erected in South Korea at the entrances to temples and villages that chase away evil spirits and attract good fortune.

Pictures and Comments of the Christmas Party by Keith Alan Morgan

My dad and I arrived early, around 11:30 and I was shocked to see the tables were already set up and ready to go. Thanks to those members who came in even earlier and got so much finished.



Dishing up to eat... the most important part of the meeting. ;-)





Above, the goodies to be auctioned.

Below left, Rich the auctioneer. Below right Kat.



Have You Ever Heard Of Painite? by Kat Koch

Painite once held the Guinness World Record for the rarest gemstone on earth. It was first discovered in 1951 in the Mogok Valley of northern Myanmar by British mineral collector Arthur Pain. Mr. Pain thought it was an interesting crystal and thought it was possibly a ruby. It was identified as a new mineral in 1957 and named Painite after Mr. Pain. There were only two known specimens when it was confirmed as a new mineral species in 1957.

Painite is a borate mineral with hexagonal crystals and a Mohs hardness 8. The mineral contains calcium, zirconium, boron, aluminum, and oxygen with trace amounts of chromium and vanadium, which are responsible for its color ranging from ruby red and orange-red to brownish-red. The mineral's rarity is due to boron and zirconium content that rarely interact with each other naturally.

Until 2001, only two more crystals had been found. In 2002, extensive exploration occurred in the area surrounding Mogok Valley, and they found several new Painite locations. Several thousand new crystals and fragments have now been mined, but very few are of faceting quality. Until late 2004, only two crystals had been cut into a faceted gemstone. Due to its rarity, gem-quality faceted Painite can cost between US\$50,000 and \$60,000 per carat. A one-inch rough, non-faceting quality crystal costs approximately \$2,000. You can find tiny, poor-quality faceted stones online for hundreds of dollars.

Bibliography: KGK Group – Wholesale Jewelry Manufacturers, Wikipedia, Mindat, GEMIC, Quora.



Young Richard's Almanac by Dick Morgan

We were all put on one planet so why not just accept one another just as we are? All of us are searching for basically the same thing out of life.

How Do Desert Roses Form?

Desert roses are crystals which usually take the form of rose petal. They have definite crystal shapes, and enclose sand grains. A gypsum rosette is not a rose at all, it is a mineral which crystalizes in a unique rosette growth pattern.

Desert rose is the colloquial name given to rose-like formations of crystal clusters of gypsum or baryte which include abundant sand grains. The 'petals' are crystals flattened on the c crystallographic axis, fanning open in radiating flattened crystal clusters.

Gypsum is an evaporite, which means its crystals form during the evaporation of water. The crystals are shaped like prisms or flat plates, and can grow up to 1 meter. Gypsum can appear as transparent crystals (selenite); fibrous, elongated crystals (satin spar); granular and compact masses (alabaster); and in rosette-shaped aggregates called desert roses.

Some even form large clusters comprised of many small rosette crystals which are the color of sand and usually brown. In order for gypsum rosettes to form they must have an arid environment, a large source of CaSO_4 (calcium sulfate), and a seasonal fluctuation of water. In terms of geological time gypsum rosettes form very rapidly in that they form in tens to hundreds of years. This would explain their abundance across the world.

The rosette crystal habit tends to occur when the crystals form in arid sandy conditions, such as the evaporation of a shallow salt basin. The crystals form a circular array of flat plates, giving the rock a shape similar to a rose blossom. Gypsum roses usually have better defined, sharper edges than baryte roses. Celestine and other bladed evaporite minerals may also form rosette clusters. They can appear either as a single rose-like bloom or as clusters of blooms, with most sizes ranging from pea sized to 4 inches (10 cm) in diameter.

There are two typical forms of rosettes found. In more shallow regions is an amber colored compact ball of intergrown crystals with small, thin blades pointing out from the core seems to be the standard.. Sometimes large transparent amber blades protrude out of this core producing spectacular specimens. In deeper layers, the crystals in the rosette are larger, more distinct and blocky. The color in these specimens are typically yellow, but can also be colorless. Large blades protruding from these rosettes are also blocky.

In both forms, some of the large blades may have clay or a rock included. All the crystals are fluorescent and phosphorescent, glowing a pale white under ultraviolet light.

from The Sierra Pelonagram, 5/23

The Giant's Causeway is an area of about 40,000 interlocking basalt columns, the result of an ancient volcanic eruption. It is located in County Antrim on the north coast of Northern Ireland.

from The Sierra Pelonagram, 9/22

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.

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 Tumblers 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 badges as they rockhound 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 receive a free vest!

Starting in January, we will work on the Fossil and Field Trip badges. If your Young Tumbler wants to work on these badges, you can pick up a requirements sheet at the meeting or email Kat Koch for a copy.



Pop Rocks – The Stone of Destiny by Erin Valenzuela

The "Stone of Destiny" or "Stone of Scone", as it is also called, has been in the news lately. It is an ancient block of red sandstone that was originally used in inaugurations of Scottish Kings. It was used recently in King Charles' coronation in May at Westminster Abbey, and again on July 5th at the Scottish celebration of his coronation.

In the 13th century the stone was captured and brought to England by Edward the First and has been used by every British Monarch since then. The Kings and Queens would sit on the stone to be crowned until it was added to the Coronation chair in the 17th century. In 1996, Queen Elizabeth returned the stone to Scotland. It resides at Edinburgh Castle except this May and again in July when it traveled to be used for the new King's coronations.

There are many legends about the stone. Some believed it came from Tara in Ireland and was used to crown the High Kings of Ireland. Others believed it is the biblical Stone of Jacob, used by Jacob as a pillow and then to Ireland by the prophet Jeremiah. Geologists have noted that the sandstone the same as stones from a quarry near Scone, however some believe that the current stone is not the original stone. The stone was stolen in the 1950's and later recovered and returned; some believe that a copy was returned. Another theory states that King Edward never received the real one in the first place, that monks hid the important stone from the invading English army.

Geologists have noted that the sandstone is similar to stones from a quarry near Scone, and the stone was recently scanned by Scottish researchers. They found unseen markings, possibly Roman numerals or crosses, traces of copper alloy and gypsum plaster, and tool marks, which might refute some of the "copy stone" rumors. More tests and research will be needed.

We may never know its true origin, but "The Stone of Destiny" continues to be an important tradition for the British people.

No Shows or Field Trips This Month!

Robert's Rules of Order by Jennifer Haley, AFMS Historian

What would we do without the Robert's Rules of Order and our Parliamentarians!

I have a lot of admiration for parliamentarians. The AFMS and NFMS share a peach of an exemplary parliamentarian in Evan Day. Our societies, Federations and the AFMS use them as the framework for our meetings. This famous, "how to run a meeting," rule book was named after Colonel Henry Martyn Robert back in 1876. Like some of our experiences, Henry was asked at the spur of the moment to lead a meeting for the community. He was well versed for the job since he was an Army Engineer about to lead a meeting concerning local defense.

Unfortunately for Henry, a lot of conflict arose during the meeting, and he soon realized he didn't have a clue how to run a meeting efficiently. No one at the meeting knew how to run a meeting either. He swore he would never go through that experience again, and he went to work creating what is now known as Robert's Rules of Order.

Back in 1876 there were rules and practices of conduct for the United States Congress. Robert's Rules of Order are modifications of those rules and practices for organizations like ours to easily run meetings with a spirit of cooperation and a sense of eloquent order.

Since 1876 there have been 12 revised editions, and you can buy the handy Robert's Rules of Order In Brief.

Parliamentarian question for the day:

"Does it still qualify as a quorum if half the participants slept through the meeting?"

from AFMS Newsletter, 11/23

Diamond

Diamonds have always exercised a special magnetism on the human race, the female of the species in particular. Their story, which I would describe as both romantic and social, is known the world over. It is hardly surprising then that the diamond is the most popular gemstone of all.

Its chemical composition is simple: pure crystallized carbon referable to the cubic order of crystallography. It is formed in volcanic craters and dispersed by volcanic eruption or flooding.

There are two main varieties of diamond: misshapen crystals which have certain industrial applications and gem diamonds used in jewelry making.

Diamonds for industrial applications are colored, opaque or impure. They are widely employed for drilling tools and precision instruments. Gem diamonds are pure and colorless, though the rare colored transparent specimens are highly valued by the experts.

As the April birthstone, diamonds are the ideal gift for a loved one. And now you have more choices than ever. Get creative and give the ultimate gift of beauty: a fancy-color diamond. Fancy-color diamonds are natural, rare and truly exotic gem of the earth. Diamonds in hues of yellow, red, pink, blue, and green range in intensity from faint to vivid and generally the more saturated the color, the higher the value. In fact, diamonds sparkling with intense color are rare and may be priced higher than a colorless diamond of equal size. Because fancy-color diamonds are very desirable, color is sometimes introduced in a laboratory. These are correctly called color-treated diamonds. When purchasing a fancy-color diamond, the shopper should ask if any enhancements or treatments were used to improve its color and/or clarity.

from The Sierra Pelonagram, 5/23

From the Rockhound Dictionary

- Findings: Stuff you find.
- Faceting: A complex way to ruin a good mineral.
- Friend: One who can see the star in your sapphire.
- Geode: A poem to G. (often written in hollow verse)
- Grinding Wheel: A bearing going out on your old truck.
- Fortification: Two twenty fications; a large gulp of good whiskey.
- Gentleman: A man who holds the door open for his wife to carry the rocks in.
- Diamond: The hardest stone known to man to get back from his old girlfriend.

via Beehive Buzzer, 12/10; from Strata Gem, 7-8/05

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