



SKAGIT GEMS

Official Publication of the Skagit Rock and Gem Club
Serving Skagit County WA Since 1961

November 2019
Volume 59, Issue 9

Next Meeting: November 2nd 10am
Gem of the Month: Sparkly or Shiny Stones
Refreshments: Open

It's Gem Show Time!
November 9 & 10

We need: Raffle ticket sellers

Greeters

Set-up November 8th, Clean-up November 10th

Demonstrators

Kids Craft Helpers

Also---Raffle prizes needed. These can be items from your rock collection, jewelry you've made, or other rock-related items. Please bring them to the meeting or on Friday, Nov. 8th during set-up.

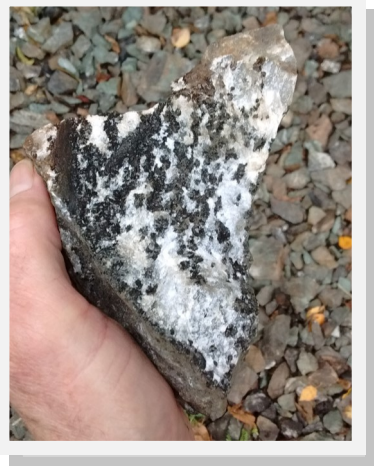




Gem Show: November, 9th 9am - 5pm, 10th 10am - 5pm
Maplewood Rock and Gem Club Annual Fall Show
Maplewood Rock and Gem Clubhouse 8802 196th ST SW Edmonds WA

Field Trip: November 16

The Darrington Rock Club is hosting a trip to Blanchard Hill in Alger for Dalmatian Stone. Meet at the I-5 Exit 240 Gas Mart 9:00am. Bring hard rock tools and pry bars. Contact Ed Lehman for more info wsmced@hotmail.com or 425-334-6282 or 425-760-2786



December 7 @ Noon: Club Christmas Party at Little Mountain Estates Clubhouse, 2610 E. Section Mt. Vernon. More info to come in the December newsletter. There is NO meeting at the senior center.

January 2020: Date TBD NO Regular Meeting, We meet for lunch at a local restaurant and have an initiation ceremony if there are any new club officers.

Chatoyance is an optical phenomenon in which a band of reflected light, known as a "cat's-eye," moves just beneath the surface of a cabochon-cut gemstone. Chrysoberyl and tiger's-eye are two of the best-known gem materials that exhibit this phenomenon.

Chatoyance occurs in stones that contain a large number of very thin parallel inclusions within the stone, known as a "silk." The light reflects from these inclusions to form a thin band across the surface of the stone. The band of light always occurs at right angles to the length of the parallel inclusions. These inclusions can be crystals, hollow tubes, or other linear structures that are present throughout the stone and are usually aligned with a crystallographic axis. Needle-like crystals of rutile and hematite are well-known for producing a cat's-eye in many specimens.

A good analogy for the chatoyance effect is how light reflects to form a line across the surface of a spool of silk thread. Viewing and moving a spool of silk thread under a beam of incident light can be a useful way to develop an understanding of how parallel inclusions produce an "eye" within a gemstone.



Asterism

Asterism is a type of chatoyancy in which the viewer sees the intersection of multiple cat's-eyes, or a "star," rather than a single cat's-eye. Tightly packed, parallel inclusions that are oriented in two different directions will cause a star with four rays. If there are three sets of inclusions, the viewer will see a star with six rays.

The most well-known examples of asterism in gemstones are star ruby and star sapphire. The accompanying photo shows a black sapphire with a six-rayed star. Stars can also be found in other gems such as garnet, spinel, diopside, and quartz.

Info found on geology.com



No Board Meeting in October

SKAGIT ROCK & GEM CLUB
Regular Meeting
October 5th, 2019

The meeting was called to order at 10:10 am by President Wes Frank.

Guests: We had a house full of guests this month and each one received a prize.

New Members: Jim Dewey and Diane Danielson. Welcome!

Minutes: A motion was made, seconded and passed (M/S/P) to approve the September minutes as printed in the GEMS.

Treasurer's Report: David Britten reviewed the financial statement for September. A motion was M/S/P to accept the report as presented.

A very interesting and informative video was presented on Mt. Mazama in Oregon. It discussed its history and the long process of it becoming a National Park.

Display Table: there were 7 displayers with a variety of orange rocks, our gem of the month. The display prize was won by Jim since it was his first time displaying.

After a short break, President Wes thanked everyone for the refreshments.

Gem Show: Everyone was encouraged to sign up for the various positions at our upcoming show November 9 & 10 with setup on November 8th at the Sedro-Woolley Community Center.

Field Trip: To Money Creek for picture jasper

Gem Shows: The Marysville Show is currently taking place and runs thru Sunday.

Open Shop: Wes will have the shop open after the meeting for members to work on projects and to slice stones.

The meeting was adjourned at 11:35 am.

Submitted by Debbie Frank



Join Us---

Meetings are the first Saturday of the month (except for Jan, July and Dec - we have other activities) 10:00 am at the Mount Vernon Senior Center 1401 Cleveland St. Mount Vernon WA 98273

- The purpose of this non-profit earth society shall be to stimulate interest in the study of geology, lapidary, and the collection of geological specimens
- We are a member of the Northwest Federation of Mineralogical Societies and the Washington State Mineral Council. We are affiliated with the American Federation of Mineralogical Societies.
- Dues are \$15.00 per year for adults and \$7.50 for those under age 16
- Website: skagitrockandgem.com Email: skagitrockandgem@gmail.com
- Mailing address: PO BOX 244 Mt. Vernon 98273



2019 Officers

President	· Wes Frank 360-757-6276
Vice President	· Greg Hochmuht 360-630-7893
Treasurer	· David Britten 360-755-0741
Secretary	· Linda Keltz 360-424-6525
Fed. Director	· Virgil Keltz 360-424-6525
Bulletin Editor	· Debbie Frank 360-853-6883
Past President	· Eric Self 360-840-8342



♪ Turn back Time ♪
November 3rd
@ 2am

Committees

Annual Show Chair-Eric Self, Facilities/Field Trips- Dave Britten, Greeter-Linda Keltz, Scholarship-Noni Avery & Linda Keltz, Publicity-Frank Isca, Stamps-Virgil Keltz, Sunshine- Noni Avery, Swap-Vandenburs



Skagit Rock and Gem Club
Debbie Frank, Editor
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Burlington WA 98233

It's Dues Time!

The club's year runs from September to August and its time to pay dues for the 2019/2020 year. Your dues provide the monthly newsletter, access to club field trips and classes, and use of the club lapidary shop. See Dave or another officer at the meeting.

Dues are:

\$15.00/ yr for adults

\$7.50/yr age 16 and younger

