

# Hatrockhound Gazette 2019

PO Box 1122, Hermiston, Oregon 97838



Meetings at 6:30 on the 2<sup>nd</sup>  
Tuesday of each month  
First Christian Church of  
Hermiston:  
775 West Highland  
(go to back of church)

Officers:  
President – Bill Shipp  
V. Pres. – Mike Filarski  
Secretary – Rita Watterson  
Treasurer – Mel Lambert  
Member at Large – Laura  
Tiffany

Newsletter/Website – Judi Allison, 1701 NW 11<sup>th</sup> St, Hermiston, OR 97838 541-720-4950



Hatrockhounds Gem and Mineral Society is Affiliated with:

The Northwest Federation of Mineralogical Societies  
And The American Federation of Mineralogical Societies



## **AFMS Rockhounds “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.

# Hatrockhound Gazette – June 2019 Issue

**June Meeting: Tuesday, June 11, 2019, 6:30 pm**



## *Flintknapping FUNDamentals*



*Lakeside members, Rick Tobin will give an overview of his knapping techniques. He may even let you try your hand.*

Treats by Bryants and Lamberts

## **Hatrockhounds Gem and Mineral Society**

### **Meeting Minutes**

**May 14, 2019**

The meeting came to order with the introduction of our new members in attendance. Each had joined the club at the show. Welcome to Dave Otnes, Karli Cook and Robin Sauls!!!

**Treasurer's Report:** Mel Lambert reported the gross amounts taken in at the show. Admissions were down a bit as were proceeds from the silent auction and kids' corner according to previous years' reports. Mel will assemble a final report in time for the executive meeting.

### **Upcoming Shows:**

We received fliers from the Puyallup Show which is in May and the Marysville in October. The Federation Show will also be in October; 18-20 in Lewiston, Idaho. Since Federation shows are typically larger, and Lewiston is relatively close this would be a great one to attend.

**General Business:** Mike spoke some to the show that we just had. Since the show is the club's, not just the chairman's, he felt perhaps we could develop a suggestion form for members to give input about what they would like to see in a show. He posed questions such a whether we should go back to the Conference Center (now the Community Center). There was also a suggestion about the possibility of the Senior Center. Should we bring in arts and crafts people to add to the venue and perhaps increase attendance? Some clubs bring in kids from schools on Fridays. Would that be viable? The executive committee will attempt to put together some sort of survey to help with the decision making process.

**Door Prizes:** Prizes went to Doug Gill, who received a piece of apatite and Patty Frazier, who found a polished slice of thunderegg in her sack.

### **Show and Tell:**

Rita showed off the onyx carved book ends she had purchased at the show.

Roy talked about his ugly rock that he found under the car because it made a dent and caused an issue.

Robin shared her find.

Judi brought back two souvenir rocks from Montana. One was a metamorphic rock from the Red Lodge area and the other was fossilized clams from the Chinook area.

**Program:** After votes were in on the six ugly rocks entered in the contest, Louise Lambert went home with the prize.

**Executive meeting: Wednesday, May 29, 7:00 at Judi's. Everyone is welcome**

**June MEETING: 6:30 pm, June 11 FLINTKNAPPING DEMONSTRATION**

**WEBSITE: [jall23.wixsite.com/hatrockhounds](http://jall23.wixsite.com/hatrockhounds)**

Rita Watterson, Secretary (Typed by Judi Allison)





Louise received a collection of items that could spruce up her "Ugly Winner".



Rick demonstrating his knapping technique.

### FLINTKNAPPING

**Knapping** is the shaping of flint, chert, obsidian or other conchoidal fracturing stone through the process of lithic reduction to manufacture stone tools, strikers for flintlock firearms, or to produce flat-faced stones for building or facing walls, and flushwork decoration. The original Germanic term "knopp" meant strike, shape, or work, so it could theoretically have referred equally well to making a statue or dice. Modern usage is more specific, referring almost exclusively to the hand-tool pressure-flaking process.

Flintknapping or knapping is done in a variety of ways depending on the purpose of the final product. For stone tools and flintlock strikers, chert is worked using a fabricator such as a hammerstone to remove lithic flakes from a nucleus or core of tool stone. Stone tools can then be further refined using wood, bone, and antler tools to perform pressure flaking.

For building work a hammer or pick is used to split chert nodules supported on the lap. Often the chert nodule will be split in half to create two cherts with a flat circular face for use in walls constructed of lime. More sophisticated knapping is employed to produce almost perfect cubes which are used as bricks.

There are many different methods of shaping stone into useful tools. Early knappers could have used simple hammers made of wood or antler to shape stone tools. The factors that contribute to the knapping results are varied, but the EPA (exterior platform angle) indeed influences many attributes, such as length, thickness and termination of flakes.

*Hard hammer* techniques are used to remove large flakes of stone. Early knappers and hobbyists replicating their methods often use cobbles of very hard stone, such as quartzite. This technique can be used by flintknappers to remove broad flakes that can be made into smaller tools. This method of manufacture is believed to have been used to make some of the earliest stone tools ever found, some of which date from over 2 million years ago.

*Soft hammer* techniques are more precise than hard hammer methods of shaping stone. Soft hammer techniques allow a knapper to shape a stone into many different kinds of cutting, scraping, and projectile tools. These "soft hammer" techniques also produce longer, thinner flakes, potentially allowing for material conservation or a lighter lithic tool kit to be carried by mobile societies.

*Pressure flaking* involves removing narrow flakes along the edge of a stone tool. This technique is often used to do detailed thinning and shaping of a stone tool. Pressure flaking involves putting a large amount of force across a region on the edge of the tool and (hopefully) causing a narrow flake to come off of the

stone. Modern hobbyists often use pressure flaking tools with a copper or brass tip, but early knappers could have used antler tines or a pointed wooden punch; traditionalist knappers still use antler tines and copper-tipped tools. The major advantage of using soft metals rather than wood or bone is that the metal punches wear down less and are less likely to break under pressure.

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**Hatrockhound Executive Meeting  
Wednesday, May 29, 2019**

**Present:** Mike Filarski, Mel Lambert, Judi Allison, Bill Shipp, Rita Watterson, Laura Tiffany  
Bill requested a list of the current membership. Judi made a copy of accounting that she had utilized for previous shows to give Mel a general format. Mel reported the current balance of our treasury.

**Show:** From Mel’s calculations, the show netted about \$1400. That is less than previous years, but attendance was down (Saturday, 246 and Sunday, 182 paying adults) and our expenses are significantly more than prior to this year. We paid \$2100 for the facility this year as compared to \$1400 last year. We discussed the fact that there were not larger items for the silent auction (half day). Perhaps next year if members here have nothing, we could ask some Lakeside members if they would consider putting something in. It is a no lose situation as the person can name a minimum they will accept. They then get 70% of anything above that amount. We also discussed the possibility of changing the date back to the third weekend if we can get our bid in before the “Princess Dance” and possibly adding a Friday evening venue. That would most probably cost more, but it is something that could be researched. The possible idea of bringing arts and crafts people to the show venue was also mentioned again. We discussed again the possibility of creating a questionnaire about the show to get member input.

**Fieldtrips:** Kayla did not do the fieldtrip to get agate north of Pasco because of the weather. She talked of rescheduling. Bill spoke with the rancher who allows some field trips for Ellensburg blue. There are two options: surface hunting for \$5.00 per day and digging for \$20.00 a day. The owners would need to know how many were going to attend and a possible date. Then they will let us know if that will work with scheduling of others in the mix. Bill will give them another call and ask about the possibility of June 29<sup>th</sup> for a trip. He will also clarify what the charge might if one finds material. Is there an extra charge? Can one do both digging and surface collecting? Hopefully, he will have answers at our June meeting and we can solidify our plans.

**Newsletter:** Judi suggested we take a poll of the membership (especially the newer members) to see if they are getting the electronic copy of the newsletter and if they are reading it. Would some rather have a hard copy?

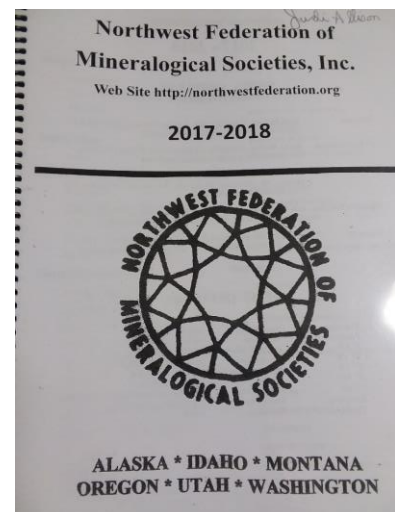
**June Meeting:** We will have a demonstration of flintknapping by some of our friends in the Lakeside Club.

**Executive Meeting:** The next Executive Meeting will be announced. Remember, all are invited.



**FEDERATION 101: SCHOLARSHIP**

One of the committees that is listed on the second page of the NFMS Newsletter is that of Scholarship. The description from the Operating Procedures of the NFMS and the information following explaining the AFMS Scholarship Foundation best tell the story of how this committee functions.





Keep in mind that the end result of donations to this fund is financial assistance to students in a field of study relevant to the rockhounding hobby.

**SCHOLARSHIP** Scholarship shall: \*Accept and acknowledge donations and maintain records of all contributions to the AFMS Scholarship Foundation made by Societies or individuals of the NFMS. These contributions, with any change in percentage standing, are to be forwarded promptly to the NFMS Treasurer. \*Publicize the work of the Foundation through the Northwest Newsletter and at the Annual Meeting. \* Report annually to the AFMS Audit Committee all donations received and forwarded. (Amended 7/19/2002)

### **AFMS Scholarship Foundation - A Resume to Refresh Our Memories**



The establishment of the Scholarship foundation was authorized by the addition of an Article to the By-Laws of the American Federation of Mineralogical Societies in 1958. The AFMS Scholarship Foundation, Inc. was set up as a separate corporation with its own officers and directors.

1964. A  
November

**Organization:** The Foundation was incorporated as the AFMS SCHOLARSHIP FOUNDATION, INC., a Minnesota Corporation on March 18, 1964. A Tax Exemption Certificate was obtained from the Internal Revenue Service on November 6, 1964.

The Board of Directors consists of: The President of the AFMS who is automatically both the Vice-President and a Director of the Foundation. The other Directors are: the AFMS President-Elect, and the President and the Vice-President of each of the six participating Regional Federations. The Board of Directors has the management of the Foundation.

The Board elects a President, a Treasurer, and a Secretary, each for two-year terms, the President being elected one year, the Treasurer and Secretary being elected the next year, to insure continuity of experienced management. It will be seen that the Foundation, while an independent Corporation, is entirely in the control of AFMS Federation personnel.

**Purpose of the Foundation:** The object of the Foundation is to accumulate a Fund, using only the income from the Fund to be used to finance Scholarships. The principal cannot be used for any purpose whatever, hence the usefulness of the Fund is perpetual.

**Awards to Beneficiary Students:** Beginning in 1965, one student received a scholarship grant of \$300.00 per year for two years to help achieve an advanced degree in any of the Earth Sciences. In 1966, the grant was increased to \$400.00 per year for two years; in 1967, the grant was increased to \$500.00 per year for two years.

As the Fund, and hence the income from it, increased, the grants were increased and, subsequently, more students received scholarship grants. By 1972, each Regional Federation received one grant of \$750.00 per year for two years. Grants were increased to \$1,000.00 per year in 1976; to two scholarship grants per each Regional Federation in 1981. In 1983, each grant was increased to \$1,500.00 per year for two years; and the amount was increased to \$2,000.00 per year for each grant in 1988. In 2009-2010 additional funds were raised to allow the educational grants to increase to a single \$4,000 educational grant starting with 12 students selected in the 2009-10 school year.

Grants are restricted to Graduate students to avoid the possible waste of money on students who are not committed to Earth Science subjects, or who drop out before graduation (Any student working toward an advanced degree is presumed to have definitely decided to follow that field for his/her lifetime vocation, insofar as such decision is possible). Since our joint interests lie in that field, grants are restricted to Earth Science students who are U.S. Citizens.

**Selection of Beneficiary Students:** Until 1972, one person of prominence in the Earth Science field was selected from among twelve nominees, 2 from each Regional Federation. That person, normally associated with a prominent University or College, selected the schools, and the students who received the grants. Since 1972, each participating Regional Federation has selected their own Honorary Award Winner who then selected the school(s) and assisted with the selection of the student, or students, who then received the scholarship grant(s).

This indirect method has served our purpose perfectly in that it benefits needy students, yet avoids the enormous task and expense of receiving, sifting through and evaluating applications from hundreds of applicants, which would otherwise be necessary if selections were made by ourselves in the conventional manner.

**The Fund:** In the beginning, Betty Crocker coupons were accepted and turned in to General Mills at 1/2¢ per point until December 31, 1974., when the program was discontinued by General Mills. Coupons accounted for approximately 10% of the Fund at that time. Since that time, the trust fund has been supported by donations and memorials from "rockhounds", nationwide. The market value of the investments of the Foundation, as of October 31, 2010, stood at just over \$1,024,170.00. With the exception of a few hundred dollars received from outside organizations, the entire amount has been donated, by Earth Science Clubs and Societies throughout the entire nation, and by individual members of such groups.

**Gifts:** All gifts to the AFMS Scholarship Foundation are held to be tax-deductible to the donor, and are normally added to the "trust" account. Gifts should be sent to each Regional Federation's Scholarship Chairman, who will see that the donor receives proper credit, and will forward the gifts to the proper Foundation Officer. Founder's Certificates are issued to individuals, dealers, or firms that contribute \$500.00 or more to the Fund, either as one gift or cumulatively, but the individual's club does not receive credit for such gifts.

Gifts may be made directly to the "Unrestricted Fund" by marking "Unrestricted" on the donation check or in a letter accompanying the donation. Unrestricted funds are not automatically put in to the investment account and may be directly paid out as educational grants to students instead of using the investment income only from the trust (investment) account, for the educational grants.

**Goals for the Future:** Our first goal was to establish a Fund of \$50,000.00 which would provide an annual scholarship in Earth Science. This goal was reached in 1968. Having attained that goal, do we stop when such attractive vistas and horizons appeared? By no means!

The Fund has now achieved over twenty times its first goal and we are providing a single year scholarship grant of \$4,000.00 each year to two students selected by each of the six participating Regional Federations. What do we see ahead? Wonderful additional opportunities for service and help for more and more students.

Remember, the Fund itself is not consumed - only the income from it. Whatever is in the "restricted trust fund" keeps working year after year, indefinitely into the future. The larger it grows, the more good it can do - not only once, but time after time as the years go by. After the 2010-11 educational grants were paid out, 566 students have received financial educational assistance because of your generosity. At that time, the total dollar amount of grants paid out since the program inception in 1964 totaled \$1,540,650.00.

First written by W.H. DeHeui President (10/69); updated by Glenn Lee, President (10/83); updated (7/93) by Louellen Montgomery, President; updated (12/04) by Dee Holland, AFMS Scholarship Foundation President; updated (7/11) by Jon Spunaugle, Treasurer and Foundation Past President