

Hatrockhound Gazette 2024

PO Box 1122, Hermiston, Oregon 97838



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

Officers:
President – Doug Gill
V. Pres. – Mike Filarski
Secretary – Jessica Millard
Treasurer – Mel Lambert
Members at Large – Laura
Tiffany, Louise Lambert

Newsletter/Website Hatrockhounds.org – Judi Allison,
1701 NW 11th 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

November 2024

Annual “I Did It” Contest

Tuesday, November 12th, 6:30 pm

Enter once in each of three categories for the possibility of an awesome plaque and the honor of being the winner of your category.

Look for details below.

Mel & Louise and Mike are in charge of treats . .

“I DID IT” CONTEST - IT’S FUN AND IT’S EASY.

WIN A PLAQUE FOR YOUR ACCOMPLISHMENT.

- ***CHOSE SOMETHING YOU FOUND, SOMETHING YOU BOUGHT AND/OR SOMETHING YOU MADE IN THE LAST YEAR.***
- ***ENTER ONE, TWO OR ALL THREE CATEGORIES.***
- ***BRING YOUR ITEMS TO THE MEETING AND TELL ABOUT THEM***
- ***MEMBERS WILL VOTE ON THE BEST ITEM IN EACH OF THE CATEGORIES.***



Hatrockhounds Meeting Minutes

October 8, 2024

We had a small group of eleven people for our meeting. Did folks get lost?

President, Doug asked if there was any secretary report. Judi reminded folks that the Annual “I Did It” contest will be in November. Remember, folks, to scout out those special things you made, bought and/or found. (Details in the Gazette.)

There was some discussion about the Marcus Whitman Club in Walla Walla. Some members have considered checking it out also. The meetings do fall on the same night as ours, though.

Judi reminded folks that the two year budget was posted in the Gazette and that a vote needs to happen to approve it. Doug asked for a motion. Judi moved to accept it and Mel seconded it. Motion was carried with a show of hands.

President Doug informed the membership that our Treasurer, Mel said we have dollars-our treasury is healthy.

There was no old business.

New Business:

It is time for us to elect our Vice President and Treasurer for the next two years. Both Mike Filarski and Mel Lambert have agreed to continue in their respective positions. Nominations were also called for from the floor. With no new submissions, a vote was taken and they were elected.

Show and Tell:

Laurie showed a small banded agate and an interestingly shaped piece of basalt from Irrigon. She also had some snowflake obsidian and told about pottery shards she and her son had found in Arizona.

Mike told a story about his trip through Oklahoma, Texas and Arizona. He brought samples of hour glass selenite from near Jet, Oklahoma collected at a salt laden Reservoir. They were about a mile into the salt plains. He also told of calcite crystals collected at Seligman, Arizona. Mike also has a box of rocks at home that some past members left that had come from Allan Grossmiller. Perhaps he will remember them next month?

Door Prizes: Sue got a polished agate and a slab. Doug gained a piece of barite and a ship shaped necklace. Gordon received an intarsia cabochon.

Program: We had the “Rock Costume Contest: with only three entries, so everyone won a prize. Karli had the best story and Judi and Deborah took first and second place for their entries.

Website: Hatrockhounds.org
(Written by Judi Allison)



Meteor Crater By Christian Teutsch, Alaska Pebble Patter September 2024

Over a decade ago, I visited this Arizona landmark. Meteor Crater, also known as the Barringer Crater is an impact crater located 37 miles east of Flagstaff and 18 miles west of Winslow, Arizona. It is estimated, that an iron meteorite about fifty meters in diameter collided with the earth as far back as 50,000 years ago during the Pleistocene epoch. The result was a crater almost a mile across and 170 meters deep. The rim of the crater rises approximately 60 meters above the plain. It has also been estimated, that at impact, an iron meteor [Note: the www.nasa.gov site refers to it as an iron-nickel asteroid], which traveled 29,000 mph. Meteorite fragments from this area are called Canyon Diablo meteorites, after Canyon Diablo, Arizona North by Northwest of Meteor Crater; closest community to the crater during the 19th century. Today, highway 40 runs roughly East to West between these two landmarks. Most of the meteor was vaporized on impact. Some fragments survived, the largest weighing 639 kg.

Assays of the recovered meteorite fragments showed 7% nickel and 1/3 ounce of platinum/ton. In some specimens, tiny black diamonds called “carbonados” were discovered inside graphite/trolite nodules. These Carbonados were probably formed by the shock wave produced by the meteor’s collision with earth.

The vast majority of the meteorite fragments at Meteor Crater were found outside the impact crater and up to a mile surrounding the crater. D.M.

Barringer, geologist by profession, is recorded as the first person to document impact craters on Earth. He attempted to mine the crater for iron, having assumed that it could contain upwards of 100 million tons of iron. Yet this venture proved futile, as nearly all of meteor in the impact zone had vaporized. Whatever material survived, was scattered over a mile in every direction. Drilling in the 1920’s revealed no mass of meteoric iron worth mining.

Today, the crater-site is privately owned by the Barringer family. Museum, tours and talks are located near the crater rim. I purchased this particular specimen shown above, at the Museum gift store.

It is well established, that this site is not the result of volcanism as was once thought, but from an impact crater.

The Barringer Space Museum and the Meteor Crater Discovery & visitor Center is a national and international tourist attraction shown at the bottom left of the crater rim.



Iron-Nickel meteorite fragment, Course Octahedrite, Canyon Diablo, Arizona, Meteor Crater. (Size: 5x3x2 cm). Purchased this specimen in 2014. [Specimen & Photo: ct]

The link to this Google map shows this area in greater detail: https://www.google.com/maps/dir//35.0277544,-111.0221934/@35.3464672,-114.4151445,111601m/data=!3m1!1e3?hl=en-US&entry=tту&g_ep=EgoyMDI0MDkyNS4wIKXMDSoASAFOAw%3D%3D



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Jumping from iron-nickel meteorites to the origin of the earth's iron-nickel inner core might seem disjointed in this article, however there are theories within the scientific community equating these two phenomena. When you hold a meteorite fragment in your hand, you are also holding a tiny sample of the stuff that constitutes the inner portion of the earth, linking it to celestial events early on during the formation of this planet. The description of “Planetary Differentiation” refers to: “Droplets of iron, nickel, and other heavy metals that gravitated to the center of the earth and later becoming the early core.” www.nationalgeographic.org › [encyclopedia › core].

I welcome you to explore this topic further on your own, should you be so inclined. The next time you heft an iron-nickel meteorite in your hand, you are holding evidence that there are no isolated celestial events that have not also affected the blue planet we call home.

During one of our past potluck meeting programs CGMS club members brought in meteorites, both metallic and stony. These included both Chondrites, Achondrites, and of course those having an Iron-Nickel composition. If I remember correctly, club member Dr. Doug Smith gave a fascinating show-and tell presentation from his own collection. Perhaps we might consider a repeat meteorite presentation in the future.

The only other meteorite in my collection comes from a meteor shower in Siberia. (Southeastern Russia, falling on the Sikhote-Alin Mountains; hence it was called the **Sikhote-Alin meteorite**.) – As with the Meteor Crater meteorite in Arizona, its composition was also primarily iron (93%), with lesser amounts of nickel, cobalt, phosphorus, sulfur and trace amounts of germanium and iridium. This particular meteor shower in Russia was well documented by different eye-witnesses at the time, and held some significance for me, because it fell to earth in February, 1947, the same month and year when I was born. Actually, I purchased this particular meteorite fragment for my wife, seeing how we were born in the same year (just don't tell her that!)_ct

Rockhound Hospitality Never Goes Out of Style

Jennifer Haley, AFMS Historian

I came across an interesting segment in a 1961 Rocks and Minerals Magazine titled, Visiting Rockhounds Welcome.

Apparently, any subscriber to the magazine could submit their name and address in the monthly publication for free, if they were interested in having traveling rockhounds come for a visit as they were passing through the area. In that issue, there were seventy-one rockhounds from all across the United States who were interested in saying hello.

In the early days of our clubs, rockhounds traveled a lot, eager to visit other collecting areas they read about in the magazines and in the AFMS federation newsletters. It was quite common for them to stop and visit with other rock and mineral clubs. They would arrive as guests at the club meetings to a hearty welcome. If the timing was right, they could enjoy a good field trip with the club or be given the directions to the best spots to explore.

Hospitality never goes out of style, and I would say it has always been a rockhound virtue that has always been a part of who we are for generations. It is something others always notice about us.

Club meetings can get busy each month with business to cover, programs and silent auctions to enjoy, and there's always the clean-up time after refreshments. With all the business, a warm welcome to club guests makes a huge, lasting impression. Try and take the time to personally introduce guests to some of your officers or chairmen. Introducing them to some of your long-time members or to those who are wearing what they've made with the rocks they found, is a really nice thing to do. All of these gestures will help people get to know each other better and help everyone feel right at home.

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