



NORTHWEST NEWSLETTER



**VOLUME 64, NO. 5 Northwest Federation of Mineralogical Societies
September 2024**

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NEWSLETTER DEADLINE:

The editor will send out a reminder in time for all committees to respond.

Estimated Deadline - September 25 for the October issue.

For deadlines and to submit articles

Contact:

Editor—Jessica Himple

NFMSeditor@outlook.com



NFMS Website:

<http://NorthwestFederation.org>

To see this newsletter in living color go to

[http://NorthwestFederation.org/](http://NorthwestFederation.org/Newsletters.asp)

[Newsletters.asp](http://NorthwestFederation.org/Newsletters.asp)

and click on the month you want to see.

Letters From Our Committee Officers:

Lora Hall - President



Fall is just around the corner which means it is time for clubs to submit their recommendations for the 2025 AFMS Scholarship Honorary Awardee!

Since 1965, the AFMS has awarded \$2,083,050 to 700 students in the Earth Sciences. All the money for the AFMS Scholarship Foundation has been raised by donations specifically by individual club members and clubs affiliated with the AFMS across the United States. Only the interest earned from this fund is used for the scholarship gifts. The process for selecting the scholarship recipients is somewhat unique. Rather than sort through a mound of applications, each region selects an Honorary Awardee who then has the honor of selecting an educational institution within the boundaries of their region and working with that institution to select two deserving post graduate students.

Yep, a little different and when I first heard about it, it took me some time to wrap my head around the process!

So, I am writing to remind clubs to nominate one or more candidates for the Honorary Awardee position. The Honorary Award winners and the students have always been a cherished part of each federation's year. The financial amount of these scholarships has grown and changed over the years and in 2025, each student will be awarded \$4000.00.

Letters From Our Committee Officers Continued:**What is the qualification for an AFMS-NFMS Honorary Awardee?**

- The Honorary Awardees are chosen for their contributions to the Earth Science field and our hobby. The Honoree is someone who has made, or continues to make, an exceptional contribution to the Earth Science field and our hobby beyond the club level.
- Examples might be a university professor, professional geologist, paleontologist, teacher, a past AFMS or NFMS officer, or just someone in your club that works to promote our hobby.
- The Honorary Awardee can be an individual or a couple as in a husband and wife, or someone and their partner.
- The Honoree(s) can only receive this award once in life and they must be a living person.
- There is a list of all previous NFMS Honorary Awardees on the NFMS website.

How do I nominate someone?

- Send a letter of recommendation to Lora Hall, NFMS President at silvertipminis@msn.com. If you have any questions please call, text, or email me.
- Letters must include the nominee's (1) name and contact information, (2) name of the club or the society they belong to, (3) name of the university if they are affiliated with one, (4) and a summary of their qualifications or accomplishments.
- To prevent disappointment, please DO NOT let your nominee(s) know you are recommending them. Any candidates not selected will be added to next year's pool.

· Nominations for 2025 must be received by December 15, 2024.

Lora Hall – NFMS President

**Michael Rhodes - 1st Vice President**

Summer is quickly passing us by. Since it is after the first of September I have progressed from Second Vice President to First Vice President. I'm not sure what that really means,

but I guess that I will find out. It is interesting to be on the executive committee and learn what it takes to keep a federation moving forward while trying to keep established traditions alive.

It is also interesting to interact with the other officers and past presidents to glean from their experience. We as an Executive Committee really do care about the individual clubs and their members and want to be able to serve you and to answer your questions. I am hoping that we're able to increase our transparency as a committee now that the newsletter is electronic and will go out more often. If you do have questions or concerns, the email information for all of the Executive Committee is included in this newsletter. I for one would love to hear from you and will work with the other officers to answer your questions, because it really is your federation.

Hopefully those of you who are rockhounds have been able to get out into the countryside to look for rocks and minerals. I have been out a couple of times and am happy with our discoveries. It helps to remember to be safe, and hydrated when going out, especially if your trips take you far from civilization or cell phone coverage.

If you haven't recently read the AFMS Code of Ethics, I recommend it. This code has been helpful for Clubs and individuals hoping to protect our access to collecting areas. It goes a long way towards helping the BLM and NFS understand the responsibility we feel to being good stewards of the land.

I guess I have rambled on enough, so as always ROCK ON!

Michael Rhodes, First VP, NFMS

Continued on page 3

Letters From Our Committee Officers Continued:

**Judi Allison -
Secretary (Treasurer
Pro Tem)**

A Little Missive from your Secretary (reluctant Treasurer pro tem)

I just want to let everyone know that I am always available to answer any questions I can, or help with anything that you might

need. I do hope that you find the new electronic version of the newsletter is to your liking. I appreciate the fact that I don't have to worry about losing it or have extra paper to wonder about where to put it. I know I have the newsletter sent directly to me, and I know I can always look on our NFMS website (northwestfederation.org) in the newsletter archives to find one from the past. Please keep in mind that this is OUR Federation and we (your executive committee and committee chairs) all want to help make this the best experience for all rockhounds that it can be. Remember, that by reducing the cost of hard copy newsletters our budget should soon be well balanced and we can have the opportunity to create some great projects and have some wonderful ideas come to fruition. With that being said, these things can only happen with volunteerism. I know there are plenty of you out there who volunteer for your local clubs. Please consider the idea of volunteering for the Federation. After all, it is OUR Federation. Have a great month!

- Judi Allison

**Gary Warren -
2nd Vice President**

Hello, everyone! I want to start by introducing myself. I am Gary Warren, and I live in Brigham City Utah with my wife, Sally. I have 4 children and 11 grandkids. I was president of the Cache Rock and Gem Club in Logan for over 15 years and enjoyed it very much. I am now a member of the Golden Spike and Beehive clubs in Ogden, and I am the trip leader for the Golden Spike club. In my many years of rockhounding, I have revised 3 rockhounding books which was a great adventure and gave me the opportunity to visit every site in the books. I revised Rockhounding Utah, Nevada and Colorado. I am in the process of updating the Utah book again. I am looking forward to getting to know you and talking with you about your hobbies and interests. I would like to come and attend some of your field trips and some of your meetings to get to know you better.

BLM Website Has Rockhounding Info

By: John Martin, PLAC Chair
California Federation of Mineralogical Societies
From the April, 2024 CFMS Newsletter
"Rockhound Soap Box" Feature

On February 29, 2024, an email was sent out from the federal Bureau of Land Management District in El Centro, California, telling about a new webpage for recreational rockhounding on public lands. The address is www.blm.gov/programs/recreation/rockhounding.

The page, "Rockhounding on Public Lands," includes FAQ and a Guide to Collecting on Public Lands, as well as more specific information about rockhounding and/or all public-land recreation activities in several states.

The guide to collecting on public lands, "Can I Keep This?," gives specific methods that may be used and specified quantities of forest and mineral items that may or may not be collected on all federal lands.

The website contains very good information and the rockhounding community needs to engage in a way to take action so as to increase the awareness of recreational rockhounding on public lands!

To find out if your state's federal lands are listed, look at the list of named states on the right side of the page. A couple of those states have relaxed guidelines, within the boundaries of the federal rules. Others are more restrictive, and most states aren't even named. The guidelines in "Can I Keep This?" give rules for all federal lands. If your state is not listed, you need to contact the BLM in your state and ask that it be included. Work with the land managers to help insure that the recreational rockhound does not go the way of the passenger pigeon. As many recreational rockhounds as possible need to do this and make their voices heard by federal land managers. Recreational rockhounding needs to be listed as a recognized recreational activity in as much detail as reasonable.

This needs to be done on individual, club/society, regional federation, and national (AFMS) levels. Make the voice of the recreational rockhound heard!

I am off my soap box and my rant is over. The sphere is in your court.

MWF News Midwest Federation September 2024 - Issue No. 634

***American Federation of Mineral Societies Club's Rockhound of the Year (ACROY)
– Judi Allison***

Honor your Club's unsung heroes! So simple anyone can handle the process.

It's approaching that time of the year. Make your submission before the year runs out. This is such a simple thing to do for those folks who might not otherwise be recognized. It was created to **honor an individual or couple AND a Junior** in your club who has contributed something special during the year. Your club can have a selection committee, a choice can be made by the executive committee, or perhaps, the current honoree can choose the new recipient. A member might suggest an individual to the selection committee. The method used by a particular club is open to what works for them. The important thing is to choose an honoree.

Each year, any club in the American Federation can submit a name and an article (and we LOVE photos) about their honoree via email and have a certificate for presentation within a week or two. The presentation can then be made at a special meeting, a Christmas Party or whatever is convenient for the Club.

Be assured that the snail mail method is also available.

Our regional chairperson is Laurie Ellis, **nfmstroy at gmail.com**. The submission should be given to her. In the event you do not hear back from her, be sure to double check. We are all volunteers, and although we try our best, sometimes things fall through the cracks. And you are welcome to reach out to me. Jms46 at outlook.com or nfmsec at gmail.com

The certificate reflects membership in AFMS along with the logo and signature of the regional Chair persons. Again, I would love to be flooded with submissions from all the clubs honoring their unsung heroes in such a quick, simple, free and effective manner. So, let's do it!!!

Submission Check List

- Name of person or couple being honored.
- Submission year (important with end of year submissions)
- Name of club
- Submitted by
- Email address for electronic version or USPS Mailing Address for receipt of AFMS certificate
- Approximately 75 to 100 words of why the club would like to honor the person or couple.
- Picture for publishing (if desired)

Here is a sample. I try to make each year's award unique



Meet The People:



Larry Hulstrom – Past Presidents Council – AFMS Rules and Awards

My interest in rocks began as a kid on the southern shores of Lake Superior in Michigan looking for Lake Superior agates and freezing in the waters of the lake. An interest in dinosaurs during grade school and my family's move to Ann Arbor eventually resulted in my enrollment at the University of Michigan in the geology department where I studied paleontology and furthered my love of rocks and fossils. (I am an avid MI Wolverine fan and worked for the Athletic Department down on the field in the Big House during many memorable games!) Graduate school at Michigan Technological University in Mining Engineering furthered my collection of native copper and resulted in the start of my professional career at the Hanford Nuclear Reservation in southeastern Washington working on a project to determine the viability of nuclear waste disposal in a geologic repository in basalt. After cancellation of that project, I shifted gears and moved into the environmental restoration and engineering field where I spent the remainder of my career. After marrying my wife Kay and having two sons, Joshua and Jason, the boys showed interest in Dad's collection as they were growing up. This resulted in joining the Lakeside Gem & Mineral Club in Kennewick WA where I became one of the Junior Club leaders and got eventually involved with the adult club in the early '90's. My sons began competitively displaying in 1998 at NFMS Shows and other club shows throughout the area with mineral and fossil collections, and we began attending shows on a regular basis. I began competing with my mineral collection in 2000 and have displayed many times since then, the last being in Billings MT at the NFMS/AFMS show in 2023.

In the Lakeside Gem & Mineral Club I was president for 2 terms from 1997-2000. I have been the club's Federation Director almost continuously since 2001. I was the show chairman for the 2003 NFMS Show held in Pasco at the TRAC facility where the year's theme was "Trail of Gems: Following Lewis & Clark". I was the club president for another term in 2011-2012 and oversaw the update of the clubs By-Laws and generation of a set of operating procedures for the club. I was co-show chairman with Evelyn Cataldo in 2012 for the NFMS Show that year in Kennewick. Over the course of those years I have been the NFMS Competitive Exhibits Registrar, Judging Director, and Rules and Awards Chair for one-year terms. As Show Chairman for the April Lakeside Gem & Mineral Club show for a number of years I was also the host for the NFMS mid-year meeting when it was held in Kennewick. I have been involved with those annual shows for the past 28 years. I was Lakeside's "Rockhound of the Year" in 2015 and again in 2022. I actively support the club wherever and however I can.

In 2021-2022 I was your NFMS President and since that time I am the lead for the Past Presidents Council and am also performing duties once again on the Rules and Awards Committee with my son Josh acting as Rules Chair currently. I am also the Registered Agent for the NFMS for WA State where the NFMS is incorporated. Volunteering is a rewarding activity that keeps me active and involved with a lot of interesting and fellow rockhounds, many of whom I consider longtime friends. Volunteer within your club or join one of the many committees within the NFMS. You will not regret it!

P.S - the photo is from my time as NFMS President, so hopefully some of you will remember who I am.

LETTER FROM THE EDITOR:



With all the changes that have been going on, I just wanted to put out another reminder that our friend, Kathy, has stepped down from being editor. That being said, there is a new email address to use when submitting articles or asking questions about the newsletter. That email is: nfmseditor@outlook.com

A newsletter every month?

Another change that has taken place is the frequency in which we will be putting out newsletters. Since we have switched to fully digital copies, it has opened up our ability to put out up to 10 newsletters per year. With this new opportunity, the executive officers have come together to create a new schedule for when the newsletters come out and new deadlines to uphold in order to get them out on time.

The new deadline for articles will be the 25th of each month.

(**November and May will be dormant months in which you do not have to submit anything. However, if you still choose to send in any information, please note, it will be in the next month's issue.**)



SCHOLARSHIP RECIPIENT WINNERS



2024

I would like to introduce Riley Henson who is one of our two 2024 AFMS-NFMS scholarship recipients. -Lora Hall, NFMS President

My affinity for Geology started with my passion for the outdoors as a kid in Indiana. I completed a BS degree at Indiana University, majoring in Earth Science with a certificate in GIS/Remote Sensing and a minor in Mathematics. While there, I developed an interest in rivers and their landscape altering processes and joined the Sedimentary Systems lab under Dr. Douglas Edmonds. My work eventually evolved into an undergraduate honors thesis studying river avulsions in tropical rainforests and their impacts on the surrounding floodplain, which was later published in *River Research and Applications*. I am now an MS candidate at the University of Montana in the Geosciences department studying fluvial geomorphology under Dr. Andrew Wilcox focusing on extreme flood events and their associated disturbances on fluvial landscapes in mountainous environments.

Here is a summary of Riley's research and future plans. -Lora

To adapt to climate change, environmental management practices could benefit from adopting a framework that accounts for increasingly extreme hydroclimatic events that threaten billions of lives and cost hundreds of billions of dollars in infrastructural damages. My master's thesis is about fluvial geomorphic resilience and how it provides a promising framework that describes the ability of a river to absorb natural or anthropogenic disturbance effects through intrinsic fluvial processes. However, this framework is still relatively new to the geomorphology field, with little to no study in relation to disturbance events (i.e., floods) impacting the fluvial environment. Drawing upon a framework proposed by Fuller et al. (2019), I propose to study alluvial mountain rivers through the lens of a river system's resistance and recovery to large flood events. I suggest a two-fold analysis for resilience: (1) focused geomorphic and hydraulic assessment of an extreme flood in East Rosebud Creek, Montana, in June 2022, which was part of broader flooding in the Greater Yellowstone Ecosystem, and (2) a global analysis of alluvial mountain rivers and flooding to model fluvial characteristics associated with resilience. This study largely focuses on Geospatial Information System (GIS) analysis, which is computer integrated technology used to store, manage, and analyze geospatial information. GIS is especially important in geomorphology as it can easily measure river channel evolution captured by satellite imagery.

I plan to perform a detailed geomorphological and hydraulic examination of the June 2022 flood on East Rosebud Creek with field, remote sensing, and modeling tools. Field data collection at East Rosebud will consist of repeat channel cross sections and flood topography measurements to characterize post-flood geomorphic evolution. I collected elevation points using a real-time kinematic (RTK) GPS, which allows for precise measurements in latitude, longitude, and elevation points. Additional site-wide measurements will be made using a drone. By combining the aerial capabilities of a drone with the high-precision geospatial accuracy of RTK positioning, I can capture centimeter-resolution natural color imagery of East Rosebud Creek with accurate topographic data. Further geospatial analysis will include channel widening and its possible indicators such as valley bottom extent and channel slope. In addition, I will collect pebble counts along the river, high-water mark elevations produced by the June 2022 flood, and discharge readings at selected sites to create a 2D hydraulic model to reconstruct the June 2022 flood.

Flood-influenced mountain rivers will be selected for global analysis to further fluvial geomorphic resilience understanding. I will select candidate rivers to use in this analysis by (1) seeking mountain rivers that have recently been disturbed by large floods using a satellite imagery basemap interface for stream gage locations, and (2) searching hydrological databases (e.g., those maintained by national hydrographic services) to identify active stream gauges continuously recording discharge (Q) and stage (h) measurements. In addition to satellite imagery and hydrograph data, I will acquire digital elevation models (DEMs), preferably pre-flood. I will use the DEMs to calculate surface water slope, valley confinement, and

SCHOLARSHIP RECIPIENT WINNERS CONT.

2024



other elevation-based metrics. Also, I will obtain datasets containing local geology, vegetation type, climatic conditions, and many morphologic parameters of a given river segment. Given the above data, I will split the analyses into two sections: temporal comparison of pre/post-flood morphological characteristics and characterization of flood effectiveness. Some parameters will measure river system characteristics pre-disturbance, while other parameters will describe resistance and recovery within the river system. Resistance will be associated with morphological change from flood disturbance using pre/post-disturbance parameters. Recovery will consist of repeat annual measurements for rivers with ≥ 5 years of post-disturbance satellite imagery in order to quantify recovery rates. For example, a river that experiences a large initial change in channel width post-disturbance that shows to have a relatively steep change in its channel width through time would have greater recovery than a river that experiences little to no adjustments in its channel width (granted that it stays within the same pre-flood system threshold). This thesis aims to identify fluvial characteristics that could enhance or promote natural resilience for alluvial mountain rivers to contribute to strategic infrastructure planning along reaches susceptible to disturbance. By implementing more durable designs for critical infrastructure such as bridges, roads, levees, railways, buildings, campgrounds, and more in areas deemed less resilient, a fluvial geomorphic resilience mindset can substantially mitigate the risks to human lives and infrastructure while simultaneously curbing the economic costs associated with disturbances. In addition, by measuring resilience within a unique geomorphic context in a fluvial system, scientists can study the flood's impact on aquatic life and riparian vegetation by deepening the understanding of ecological resilience in a new light. Understanding how rivers will react to a large-scale disturbance will inform disaster risk reduction strategies that diminish river degradation and enlighten restoration efforts to increase connectivity, biodiversity, or other riverine variables.

After completing my master's degree at the University of Montana, I want to continue studying within the field of fluvial geomorphology. I am interested in a career in river restoration as it combines my passion for rivers with my experience in geomorphological processes and geospatial analysis with GIS. I want to work on projects that enhance riverine health by mitigating the impacts of human activities, promoting sustainable management practices, and increasing environmental complexity. These practices will work to restore natural river functions, improve habitat diversity, and support resilience in fluvial environments.

A decorative graphic featuring the word "congratulations!" in a teal, cursive font, underlined. The text is surrounded by colorful confetti in shades of yellow, green, pink, and orange.

Curiosity and The Roman Colosseum

By: Judi Allison

Having recently returned from a trip to Europe which included viewing and learning about so many buildings, I decided to see what my computer would tell me about the construction of the Roman Colosseum. I asked Google, "How was the Roman Colosseum built?" The following was "spit out" by *AI copilot*.

"The Roman Colosseum was built using a variety of materials and construction techniques, and was the work of many skilled professionals:

Materials: The Colosseum was built using travertine limestone, tuff, brick-faced concrete, wood, tiles, cement, and mortar. Stone was used for the exterior walls and other heavily weighted areas, while the upper levels were made with lighter materials. Roman concrete was stronger than modern concrete because its components solidified when wet.

Marble still remains on some of the seats



Construction techniques:

The Colosseum's structure included arches and stone walls, and used barrel vaults made of concrete and brick, and crust arches made of travertine stone. The horizontal forces created by each arch were compensated for by the next arched structure. Large lifting cranes, powered by Roman slaves walking on treadmills, were used to hoist stone blocks into place.

Labor: Construction began around 70–72 AD under the rule of Vespasian, who funded the project using spoils from the Jewish Temple after the Great Jewish Revolt in 70 AD. An estimated 60,000 to 100,000 people were

involved in the project, including prisoners of war, professional builders, engineers, artists, painters, and decorators.

Design: The Colosseum was designed in the Doric, Ionic, Corinthian, and composite styles, and featured different sections for different guests, including an Emperor's Box. The Colosseum was completed around 79 or 80 AD, and could seat around 50,000 people. The Colosseum remains one of the most iconic symbols of ancient Rome and a testament to the engineering prowess of the Roman Empire."

History.com gave the following account.

"The Flavian Amphitheater, better known as the Colosseum, stands as one of the most spectacular architectural monuments of the ancient world. Built in the first century A.D., it's largely remembered as the site of blood-sport entertainment involving gladiators, wild animals and more. . .

After Vespasian became Roman Emperor in 69 A.D., his Flavian Dynasty—which included his sons, Titus and Domitian—launched a vast building program to restore Rome, which had been ravaged by fire, plague and civil war. During the Flavian Dynasty's 27-year reign, it renovated buildings, statues and monuments throughout the city. In 70 A.D., Vespasian ordered the construction of the new amphitheater in the city center, funded with the spoils from the Roman siege of Jerusalem during the First Jewish-Roman War. The Colosseum, dedicated 10 years later, served as a dramatic political symbol of the city's resurgence.



Column top

Affixed with a brass peg and liquid lead

It was also an innovative architectural and engineering wonder, the largest and most complex permanent amphitheater of the ancient world. Made primarily of concrete, 3.5 million cubic feet of travertine, and similar amounts of marble, stone and timber, the Colosseum rose to 157 feet (roughly the height of a 15-story building), with a capacity for an estimated 50,000 to 80,000 people." <https://www.history.com/news/how-roman-colosseum-built> Both accounts were in essence what our guide had imparted to us. She, of course, gave us a more personal account so that we could visualize all that occurred in that space and time. Ancient buildings which have survived for so long are a testament to how solid our rocks truly are. And they speak to man's innovative techniques and creativity from time immemorial. It's fascinating to stand in such structures and visualize what the structure may have looked like during those times. I do think, though, I am happy I was not a part of that era, for I fear I would have been one of the peasants with few privileges.

The interior of today's Colosseum



Exterior of the Colosseum today



NFMS Club Show Schedule -- 2024

<p>Sept 7th & 8th 2024</p> <p>Sat 10 - 5</p> <p>Sun 10 - 4</p>	<p>Southern Washington Mineralogical Society</p>	<p>Longview Fairgrounds Cowlitz County Event Center</p> <p>1900 7th Ave</p> <p>Longview, WA 98632</p>	<p>Crystal Show & Dealer Chairman</p> <p>swmineralogicalsociety@gmail.com</p>
<p>Sept 21st & 22nd 2024</p> <p>Sat 10 - 5</p> <p>Sun 10 - 4</p>	<p>Billings Gem and Mineral Club</p>	<p>Eagle Seeker Community Center</p> <p>1125 Broadwater Ave</p> <p>Billings, MT 59102</p>	<p>Doug True / Nancy Watkins</p> <p>(406) 200-8778</p> <p>info24@billingsgemshow.com</p>
<p>Sept 21st & 22nd 2024</p> <p>Sat 9 - 5</p> <p>Sun 10 - 4</p>	<p>Clallam County Gem & Mineral Assoc.</p>	<p>Vern Burton Community Center</p> <p>308 East 4th Street</p> <p>Port Angeles WA 98292</p>	<p>Kelly Hagood</p> <p>kmhagood@gmail.com</p> <p>www.sequimrocks.org</p>
<p>Oct 4th 5th & 6th 2024</p> <p>Fri & Sat 10 - 6</p> <p>Sun 10 - 5</p>	<p>Portland Regional Gem & Mineral Show</p>	<p>Wingspan Event & Conference Center at the Westside Commons</p> <p>801 NE 34th Ave</p> <p>Hillsboro, OR 97124</p>	<p>Roberta Hanson prgmsa.president@gmail.com</p> <p>https:// portlandregionalgemandmineral. com</p> <p>www.facebook.com/groups/ prgms</p>
<p>Oct 5th & 6th 2024</p> <p>Sat 10 - 5</p> <p>Sun 10 - 5</p>	<p>Marysville Rock & Gem Club</p>	<p>Evergreen Fairgrounds</p> <p>(Bldg. 500)</p> <p>14405 179th Ave SE</p> <p>Monroe WA 98272</p>	<p>Christine Morrissey</p> <p>cmvw@frontier.com</p>
<p>Oct 5th 2024</p> <p>Saturday 10 - 6</p>	<p>Idaho Falls Gem & Mineral Society</p>	<p>Bonneville County Fairgrounds</p> <p>1542 E. 73rd South</p> <p>Idaho Falls, ID 83404</p>	<p>John Nicklas</p> <p>cbnopal219@gmail.com</p> <p>www.ifrockhounds.com</p>
<p>Oct 19th & 20th 2024</p> <p>Saturday 10 - 5</p> <p>Sunday 10 - 4</p>	<p>Hells Canyon Gem Club</p>	<p>Nez Perce County Fairgrounds</p> <p>* Admission - \$5, 17 and under are</p> <p>1229 Burrell Ave.</p> <p>Lewiston, ID 83501</p>	<p>Mary Lou Northup mlandjl@yahoo.com</p> <p>(208) 743-6944</p> <p>https:// www.hellscanyongemclub.com</p>

NFMS Club Show Schedule -- 2024

<p>Nov 16th & 17th 2024</p> <p>Sat 10 - 5</p> <p>Sun 10 - 5</p>	<p>Maplewood Rock and Gem Clubhouse</p>	<p>Maplewood Rock and Gem Demonstration Show</p> <p>8802 196th ST SW</p> <p>Edmonds, WA 98026</p>	<p>Chris Huffines</p> <p>www.maplewoodrockclub.com</p>
<p>Dec 7th & 8th 2024</p> <p>Sat 10 - 5</p> <p>Sun 10 - 5</p>	<p>Maplewood Rock and Gem Clubhouse</p>	<p>Maplewood Rock and Gem Winter Bazaar</p> <p>8802 196th ST SW</p> <p>Edmonds, WA 98026</p>	<p>Heather Martin</p> <p>Shows.maplewoodrockngem@gmail.com</p> <p>www.maplewoodrockclub.com</p>
<p>Oct 5th 2024</p> <p>Saturday 10 - 6</p>	<p>Idaho Falls Gem & Mineral Society</p>	<p>Bonneville County Fairgrounds</p> <p>1542 E. 73rd South</p> <p>Idaho Falls, ID 83404</p>	<p>John Nicklas</p> <p>cbnopal219@gmail.com</p> <p>www.ifrockhounds.com</p>
<p>Oct 19th & 20th 2024</p> <p>Saturday 10 - 5</p> <p>Sunday 10 - 4</p>	<p>Hells Canyon Gem Club</p>	<p>Nez Perce County Fairgrounds</p> <p>* Admission - \$5, 17 and under are free with an adult</p> <p>1229 Burrell Ave.</p> <p>Lewiston, ID 83501</p>	<p>Mary Lou Northup</p> <p>mlandjl@yahoo.com</p> <p>(208) 743-6944</p> <p>https:// www.hellscanyongemclub.co m</p>
<p>March 29th & 30th 2025</p> <p>Saturday 10 - 6</p> <p>Sunday 10 - 5</p>	<p>Mount Baker Rock and Gem Club</p>	<p>Pioneer Pavilion Community Center</p> <p>2007 Cherry Street</p> <p>Ferndale, WA 98248</p>	<p>Candi Gerard</p> <p>candisjewelry@gmail.com</p> <p>www.mtbakerrockclub.org</p>

AFMS FEDERATION SHOW DATES



Shows in 2024:

- Rocky Mountain Federation
Oklahoma City, OK
Oct 25-27
- South Central Federation
Mesquite, Texas Nov 25-27

Shows in 2025:

- AFMS/EFMLS Hickory, NC
March (date TBA)
- Midwest Federation
Lincoln, NE April 5-6
- Northwest Federation Walla
Walla, WA Sept 12-14
- Rocky Mountain Federation
Grand Junction, CO Sept 19-
21

Shows in 2026:

- Midwest Federation
St. Charles, IL. May 23-24

NFMS Word Search

R W Y W P C E B A P K I C C E V E O H U
 B U W U R N L F D L Y H N V U O J N H C
 B A D P W G L X W H T J G E O L O G Y P
 K O G M A M N Q T K T P A Z U R I T E S
 Y Z R E N H W O C Q G T U B Y Q P U Z W
 W L J A S P E R A Y H H N O A D A L N G
 F R M D G R Q J F X R J C X R D X P J E
 D A M E T H Y S T R P E G M A T I T E T
 N N M L F L U O R I T E Y X A H G P K X
 W E M F I I W B R Y T A J K J R P G S H
 A U C G C A K D O M T O Y Q Q F Q A O E
 W P L A D F R N Q A P R U R U L C R Y A
 X Y V F L E M J Y L C I C E A T W N E P
 O R P X E C Z B B A R I T E R C K E R A
 G I R T S N I Y B C O K F H T H Y T A T
 Q T U F Z S I T C H J Z J H Z A A F L I
 Z E L G M C F T E I T M I N E R A L Z T
 K B E Q L P N P E T W X L F L Y L X T E
 C I I S O U D G Q E Z C U U S X T F L A
 R Z C Y V L C E J P C I P Q L R H A P O

WULFENITE

PEGMATITE

MALACHITE

FLUORITE

AMETHYST

CALCITE

MINERAL

GEOLOGY

AZURITE

QUARTZ

BARITE

JASPER

APATITE

GARNET

PYRITE



Rock Of The Month: Quartz

Quartz is one of the most abundant and versatile minerals on Earth, composed primarily of silicon dioxide (SiO₂). Its history dates back thousands of years, with ancient civilizations like the Egyptians, Greeks, and Romans using it for various purposes, from jewelry and carvings to early lenses. Quartz is known for its hardness, ranking 7 on the Mohs scale, making it a durable material that resists weathering. It's found in a wide range of environments, from igneous to sedimentary rocks, and comes in many varieties, including amethyst, citrine, rose quartz, and smoky quartz. The mineral's piezoelectric properties—its ability to generate an electrical charge under mechanical stress—were discovered in the 1880s and have since been harnessed in modern technology, including watches, radios, and other electronic devices.

Beyond its practical uses, quartz has played a significant role in various industries throughout history. For example, ancient civilizations used quartz to make tools, such as sharp-edged arrowheads and knives, due to its hardness and durability. Quartz was also integral to the development of timekeeping, as the first quartz clock was invented in the 1920s. This clock revolutionized timekeeping with its unprecedented accuracy, leading to the widespread use of quartz crystals in modern clocks and watches. Another interesting fact about quartz is its role in the production of glass, as it is a key raw material in the manufacture of high-quality glass and ceramics. Quartz crystals can grow into large, well-formed specimens, with some of the largest being discovered in Brazil and Arkansas. Whether admired for its beauty, appreciated for its durability, or utilized in technology, quartz continues to be a mineral of immense importance and fascination.

Jessica Himple
Everett Rock and Gem Club
Editor for NFMS Newsletter

Specimens from my personal collection:



Smoky Quartz and
Spessartine Garnet,
Tongbei, Fujian, China



Quartz, Fluorite, and Shorl,
Erongo Mountains, Namibia



Amethyst, Piedra Parada,
Tatatila Municipality, Vera
Cruz, Mexico



Herkimer "Diamond",
Herkimer County, New York

"Quartz." *Mindat.org*, Hudson Institute of Mineralogy, www.mindat.org/min-3337.html.

"Quartz." *Encyclopedia Britannica*, Encyclopaedia Britannica, Inc., www.britannica.com/science/quartz.

NFMS EXECUTIVE OFFICERS 2024-2025

PRESIDENT: Jennifer Haley, 2490 Spring Mountain Rd., Saint Helena, CA 94574 (541) 660-1832 (NFMS Club Member At Large), ladybuglane@napablogger.com

1ST VICE PRESIDENT: Lora Hall, Hellgate Mineral Society of Missoula, MT, PO Box 1095, Frenchtown MT 59834 silvertipminis@msn.com

2ND VICE PRESIDENT: Michael Rhodes, Golden Spike Gem & Mineral Society, 317 E 200 S, Brigham City, UT, 84302-2621, (435) 230 0403 mrmbrhodes0@gmail.com

EXECUTIVE SECRETARY: Judi Allison, Hatrockhounds Gem and Mineral Society, 1701 NW 11th. St., Hermiston, OR, 97882, (541) 720-4950, nfmssec@gmail.com

TREASURER: VACANT

Judi Allison (pro tem), Hatrockhounds Gem and Mineral Society, 1701 NW 11th. St., Hermiston, OR, 97882, (541) 720-4950, nfmssec@gmail.com

NFMS STANDING COMMITTEES

BUDGET: 1st Vice President (see above)

BULLETIN AIDS: Priscilla Hall-Ford Oregon Agate & Mineral Society, P.O.Box 818, La Center, WA 98629 (360) 518-7829. Rockhounder2019@comcast.net

CIRCULATION: Golden Spike Gem & Mineral Society, 875 E 4500 S, S. Ogden, UT 84403, (801) 479-4286, Roxhund@aol.com
* Clubs need only to send contact info for their board members. Contact clubs directly to reach out to specific members.

CREDENTIALS: Del & Clara Walker, Tualatin Valley Gem Club, 12377 SE Davis Loop, Prineville, OR, 97754, (503) 812-6540, cwalk12377@gmail.com

CUSTODIAN: 2ND Vice President: (see above)

DIRECTORY: Janel Lacey, Marcus Whitman Gem and Mineral Society, 43618 SW McKay Dr, Pendleton, OR, 97801, (541) 215-2839, jlclaw16461@gmail.com
* Clubs need only to send contact info for their board members. Contact clubs directly to reach out to specific members.

EDUCATION/ALL AMERICAN CLUB AWARD : OPEN

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CHAIRMAN: Vicki Johnson, Southern Washington Mineralogical Society, P.O.Box 611, Kelso, WA 98626 (360) 751-8031, vickijrocks@msn.com

SECRETARY: OPEN

TREASURER: Lyle Vogelpohl, West Seattle Rock Club, 8810 37th Ave. SW, Seattle, WA 98126-3617, (206) 932-3292, lvogelpohl@comcast.net

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Joshua Hulstrom, Lakeside Gem and Mineral Club, 5409 W 26th Ave., Kennewick, WA 99338, (509) 306-0385, josh_hulstrom@hotmail.com

JUDGING DIRECTOR : Charise Ash, Mount Hood Rock Club, 2331 N Mist Dr, Vernonia, OR 97064, charisemarie@gmail.com

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SCHOLARSHIP: Mary Lou Northrup, 1623 Powers Ave, Lewiston, ID 83501, (208) 743-6944, [mlandjl@yahoo.com](mailto:milandjl@yahoo.com)

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SLIDE/ VIDEO LIBRARIAN: Ronna Watkins, Yakima Rock and Mineral Club, PO Box 635, Tieton WA 98947, (509) 673-0085 nfmsronna@gmail.com

STAMPS: Aaron Currier, Willamette Agate & Mineral Society, 2182 Broadway Ct, Salem, OR, 97304 (503) 385-5649, fossils@curriergraphics.com

Ed Anderson, Sweet Home Rock & Mineral Society, 40182 Hilltop Dr, Lebanon, OR, 97355 (541) 451-1577, ela4rocks@gmail.com

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WEBMASTER: Brad Larson, Owyhee Gem and Mineral Society, 6010 W. Cruzen St., Boise, ID 83704 (208) 465-1920, nfms.webmaster@gmail.com

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FIELD TRIP CHAIRMAN: Doug True,
Billings Gem & Mineral Club, 2622
Broadwater, Billings, MT 59102,
(406) 670-0506,
dtruefossils12@yahoo.com

**ROCKHOUND OF THE YEAR: Laurie
Ellis,** Hatrockhounds Gem and Mineral
Society, 57462 Clarks Canyon Rd,
Heppener, OR 97836, (541) 626-3131,
nfmsroy@gmail.com

SHOW CHAIR 2023: Mike Filarski,
Hatrockhounds Gem and Mineral Soci-
ety, PO Box 502, Irrigon, OR 97844,
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WEBSITE CONTEST: OPEN

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**AFMS Junior Program Chair - Lora
Hall**

ENDOWMENT FUND - Judi Allison
**PROGRAM COMPETITION - DeLane
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**SCHOLARSHIP FOUNDATION- Mary
Lou Northrup**

THINGS YOU SHOULD KNOW

The **AMERICAN LANDS ACCESS AS-
SOCIATION (ALAA)** is a 501(c)(4) or-
ganization. Its purpose is to promote and
ensure the right of amateur hobby fossil
and mineral collecting, recreational pro-
specting and mining, and the use of public
and private lands for educational and re-
creational purposes; and to carry the voice
of all amateur collectors and hobbyists to
our elected officials, government regula-
tors and public lands managers. Your an-
nual individual/couple membership fee is
\$25 which helps support their activi-
ties. Club membership is \$50 per
year. Send to Treasurer, P.O. Box 54398,
San Jose, CA 95154. Make checks paya-
ble to: American Lands Access Assn. Ap-
plications can be downloaded
at: www.amlands.org on the left side of
the page. For more information con-
tact: Frank Mullaney, 408-266-1791, cell:
408-691-2655, Rockyfv@aol.com

The **AFMS NEWSLETTER** is published
monthly except Jan-Jul-Aug by the Ameri-
can Federation of Mineralogical Societies.
Each NFMS member society should have
three people (usually the Pres, Secretary
and Editor) receiving the AFMS Newslet-
ter. If they are not, or if anyone else wants

to subscribe (\$5 per year). Contact: Linda
Jaeger, 3515 E 88th St, Tulsa, OK 74137,
AFMSeditor@AMFED.org (918) 630-
6498 or (918) 481-0249. Make checks
payable to "AFMS".

The **NORTHWEST NEWSLETTER** is
the official publication of the Northwest
Federation of Mineralogical Societies
(NFMS) and is sent to each club electroni-
cally in PDF form between six to ten times
per year. It is the responsibility of each
club to forward the newsletter to the mem-
bership. The newsletters are also posted to
the Federation website electronically and
archived there for members to review or
download.

**For matters related to this newsletter
(i.e. content, advertising, etc.) contact
the editor.**

**SHOW COORDINATION. Your Fed-
eration provides a free service for
NFMS members by listing your show in
this Newsletter, on the NFMS website,
two magazines ("Rocks and Minerals"
and
"Rock and Gem") and the on-line calen-
dar from "Lapidary Journal". Please
provide the date and time for the show,
the club name and show title (if applica-
ble), the location of the show, admission
price, and most important a contact per-
son with
address, e-mail address and/or phone (e-
mail is preferred). Please send your
show information four to six months in
advance to the Show Coordination
Chairperson. If you see an error once
your show is listed, or if your show is
not listed, contact the Newsletter Chair**

SAVE STAMPS PROGRAM. NFMS
members are encouraged to use and save
commemorative stamps. The money gener-
ated from the sale of these used (cancelled)
stamps is then donated to Junior Fund.
The collected stamps can be sent to the
Stamps Chairperson, brought to the
NFMS Annual Show or given to your Fed-
eration Director in your club.

ATTENTION CLUB TREASURERS**Where to send your money**

To NFMS Treasurer for:

1. Dues (new and renewal) and
supplies
2. Donations for the general fund
3. Donations to Junior
Achievement
4. Advertisement in this
Newsletter

Send to: see Treasurer this page.

To NFMS Endowment Fund Treasurer for:

1. Donations to Endowment Fund
2. Memorial contributions
Make check payable to NFMS
Endowment Fund, send to Endowment
Fund Treasurer, 8810 37th Ave SW, Seat-
tle, WA 98126-3617

To NFMS Scholarship Chairperson for:

1. Donations to AFMS Scholar-
ship Fund
2. Memorial contributions to
AFMS Scholarship
Make check payable to **AFMS Scholarship
Fund.**

Send to: Mary Lou Northrup (see Scholar-
ship this page).

To AFMS Endowment Fund for:

1. Donations to AFMS Endow-
ment
 2. Memorials
- Send to: See AFMS Newsletter

To ALAA Treasurer for:

- Memberships, new and renewals
- Donations
- Make check payable to ALAA
(American Lands Access
Assn) Treasurer, P.O. Box
54398, San Jose, CA 95154

NFMS WEB SITE: www.amfed.org/nfms
or
<http://northwestfederation.org/>

***Due to changing to an elec-
tronic newsletter, clubs are
no longer required to send
contact information
throughout the year for
members who are added or
removed from their roster.
Directory will now only re-
quire the contact infor-
mation for the board mem-
bers of each club. If you
would like to contact a spe-
cific person in another club,
please contact their club.**