



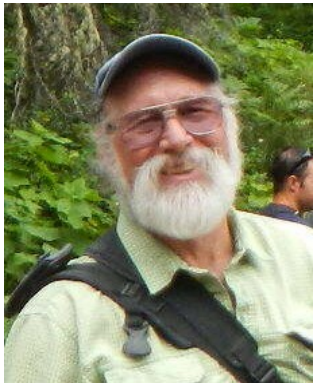
NORTHWEST NEWSLETTER



TIME SENSITIVE MATERIAL

Northwest Federation of Mineralogical Societies
Tom Burchard, Circulation
875 E. 4500 S
S Ogden, UT 84403-2913

VOLUME 57, NO. 3 Northwest Federation of Mineralogical Societies MARCH 2017



Jim Bosley President

Sage Grouse and Rockhounding

Gerry Gibeault, President of the Idaho Falls Gem and Mineral Society, attended two meetings in February concerning the impact of sage grouse on our traditional recreation – rockhounding. I have included, with his permission, his report and a copy of an email he sent to his congressman asking for help. Thanks, Gerry for taking the time to attend the meeting and send us the information concerning sage grouse potential impacts on rockhounding.

The BLM, is taking comments on its Draft Environmental Impact Statement (EIS) for sage grouse management in the Western United States and has proposed limiting rockhounding to surface collecting only, NO HAND TOOLS. This proposed change will affect rockhounding in the sage grouse management areas for the next 20 years and impact the members of the NFMS as well as the public in general who collect rocks and minerals on these public lands.

The BLM is soliciting comments to their draft EIS and the comments are DUE on MARCH 30. I feel that members of the NFMS need to take a three pronged response to the draft EIS.

- Review the sage grouse management area map and identify locations where your gem and mineral society and rockhounds from across the nation collect rocks and minerals. Prepare a letter to all of your congressmen identifying these traditional rockhounding areas and where hand tools have historically been used to collect rocks and minerals.
- Prepare a response to BLM and identify that you would like to see the language in the EIS changed to rockhounding with hand tools.
- Send a copy of your letter and EIS response to the county commissioners where rockhounding sites are located and ask for their support to allow the use of hand tools. Remind them that rockhounds from across the nation travel to their county for rockhounding and contribute to the tourist dollars spent in the county.

Please review the documents at the websites below.

Draft EIS: <https://www.blm.gov/node/3282>

Interactive map of withdrawal areas: <https://www.blm.gov/wo/st/en/prog/more/sagegrouse.html>

BLM EIS notice: https://www.blm.gov/sites/blm.gov/files/Dear_Reader_Final.pdf

Remember numbers count with our elected officials. The more letters/emails to our congressmen the greater their interest in the issue.

Gerald Gibeault
President, Idaho Falls Gem and Mineral Society
2246 Brandon Dr.
Idaho Falls, Idaho 83402
March 2, 2017

Subject: BLM to Ban Rockhounding with Hand Tools in Areas Targeted by the Draft Environmental Statement (EIS) for the proposed Sagebrush Focal Area Withdrawal.

To Whom It May Concern:

This letter is written to local jurisdictions on behalf of the Idaho Falls Gem and Mineral Society and recreational rockhounds everywhere. As president of the Idaho Falls Gem and Mineral Society, I am concerned that the draft Environmental Impact Statement (EIS) for the proposed Sagebrush Focal Area Withdrawal could be bad news for recreational rockhounding in our Gem State. Specifically, the Bureau of Land Management (BLM) intends to ban recreation rockhounding using hand tools in withdrawn areas. Only surface collection will be allowed.

I attended BLM's EIS Public Meetings on February 16, 2017 in Idaho Falls and in Boise on February 24, 2017. I also discussed my concerns in a follow-up telephone call with Mr. Adam Merrill (BLM Geologist, Washington D.C. Office) on March 3, 2017. Mr. Merrill said that he had spent some time with the BLM's lawyers discussing the rockhounding concerns that I had raised with him previously. I've summarized my understanding of the conversation with Mr. Merrill below:

As the BLM lawyers see it, the problem boils down to whether or not the 1872 Mining Act (mining act) is in force. According to the lawyers, the mining act authorizes public right to locatable minerals on Federal land. While the rules that apply to rockhounding may be different from those that apply to hard rock mining operations, both get their authority to access locatable minerals from the mining act. Withdrawing land from the mining act also withdraws the public's authorization to collect locatable minerals. It must be noted that the public will still be allowed to pick up rocks off the surface; but materials collected on the surface are typically very weather fractured and therefore of little use to rockhounds.

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NEWSLETTER DEADLINE:

April Deadline: April 15th

For deadlines and to submit articles contact

Beth Heesacker

Email: nfmseditor@coho.net

NFMS Website:

www.amfed.org/nfms

To see this newsletter in living color and to see it usually by the first of the month

go to

<http://www.amfed.org/nfms/newsletters.asp> and click on the month you want to see.

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NFMS EXECUTIVE OFFICERS 2016-17

PRESIDENT: Jim Bosley, Idaho Falls Gem and Mineral, 634 Tyson Ave., Idaho Falls, Idaho, 83401, (208) 520-1819, jbosley@cableone.net

1ST VICE PRESIDENT: Keith Fackrell, Timpanogos Gem & Mineral Society, 2295 E. 700 S. Springville, Utah 84663, krfackrell@gmail.com

2ND VICE PRESIDENT: Ronna Watkins, Yakima Rock and Mineral Club, POB 635, Tieton, WA 98947, (509) 673-0085, 4ronna@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: Lyle Vogelpohl, West Seattle Rock Club, 8810 37th Ave. SW, Seattle, WA 98126-3617, (206) 932-3292, nfmstreasurer@comcast.net

NFMS STANDING COMMITTEES

BUDGET: Keith Fackrell, 1st Vice President (see above)

BULLETIN AIDS: Jim Landon, Yakima Rock and Mineral Club, 401 Livengood Rd., Cowiche, WA 98923, (509) 678-3881, kjlandon@hotmail.com

CIRCULATION: Tom Burchard, Golden Spike Gem & Mineral Society, 875 E 4500 S, S. Ogden, UT 84403, (801) 479-4286, Roxhund@aol.com

COMPETITIVE EXHIBITS:

RULES AND AWARDS CHAIR: Lauren Williams, 957 E Elva Ave, Idaho Falls, ID 83401 (208) 529-6978
JUDGING DIRECTOR: : Evan Day, 509 Highland Blvd, Brigham City, UT, 84302, 801-391-2912, eday@sisna.com

REGISTRAR: Bob Gibson, 326 Snow Goose Ct., Hamilton, MT 59840, 406-361-0871, gibcott@gmail.com

CREDENTIALS: Del & Clara Walker, Central Oregon Rock Collectors, 12377 SE Davis Loop, Prineville, OR 97754, 503-812-6540, cdwalker@q.com

CUSTODIAN: Ronna Watkins, 2ND Vice President: (see above)

DIRECTORY: Carol Willey, Oregon Coast Agate, 929 Ojalla Road, Siletz, OR, 97380, 541-444-1360, going4rocks@outlook.com

ENDOWMENT FUND:

CHAIRMAN: Edna Nelson, Mt Hood Rock Club, #14025, PO Box 190, Jefferson, OR 97352-0190 (a mail forwarding address), (503) 397-5284, rockhoundstool1966@yahoo.com

TREASURER: NFMS Treasurer (see above)

FINANCIAL ADVISOR: Jim Brain, Spokane Rock Rollers, 6410 W Sundance Dr., Spokane, WA 99208, 509-863-9883, jrbrain@frontier.com

HISTORIAN: Linda Barlow, Idaho Gem Club, Inc., 3074 W. Newbury Ct, Eagle, Idaho 83616, 208-724-3309, barlow596@gmail.com

JUNIORS CHAIR: Audrey Vogelpohl, West Seattle Rock Club, 8810 37th Ave. SW, Seattle, WA 98126-3617, (206) 932-3292, nfmsjunior@comcast.net

NEWSLETTER EDITOR: Beth Heesacker, Clackamette Mineral and Gem Corp., 4145 NW Heesacker Rd., Forest Grove OR, 97116, (503) 357-8804, nfmseditor@coho.net

NFMS Club-at-Large: 1st Vice President (see above)

NOMINATING CHAIRMAN: Hidemi Kira, Clackamette Mineral and Gem Club, 15455 S. Highland Rd., Oregon City, OR 97045, htkira@spiritone.com

NORTHWEST ROCKHOUND RETREAT (Hancock): Lamar Tilgner (Chair), Mt. Hood Rock Club, 200 SE Olvera Ave., Gresham, OR 97080, (503) 666-2905, lstilgner1@frontier.com

PAST PRESIDENTS COUNCIL: Evelyn Cataldo, Lakeside Gem & Mineral Club, 99509 Brandon, Kennewick, WA 99338, (509) 628-0170, cataldoevelyn@yahoo.com

PUBLIC LANDS ADVISORY: Ben Odum, 3511 N. Atlantic, Spokane, WA 99205 (509) 953-2470, rockroller_ALAA@yahoo.com

SLIDE/ VIDEO LIBRARIAN: Darrell Watkins, Yakima Rock and Mineral Club, P.O. Box 635, Tieton, WA 9894, (509)673-0085, darrell848@aol.com

RESOLUTIONS: Fred Burton, Golden Spike Gem & Mineral Society, 90 Lakeview, Tooele, UT 84074, (435)882-8614, f7burton@gmail.com

SAFETY: Tanya Sonner, Southern WA. Mineralogical Society, 165 Tingle Rd., Winlock, WA. 98596, (360) 785-3909, chuckagate2@yahoo.com

SCHOLARSHIP: Evelyn Cataldo, Lakeside Gem and Mineral Club, 99509 Brandon, Kennewick, WA, 99338, (509) 628-0170, cataldoevelyn@yahoo.com

SHOW CHAIRPERSON 2017: Steve Vieth, Bitterroot Gem and Mineral, 309 Baily Ave., Hamilton, MT, 406-381-7597, viethsteve88@gmail.com

SHOW COORDINATOR: Pat Lambert, Lakeside Gem & Mineral Club, 26106 S. Oak, Kennewick, WA 99337, palambert@charter.net

STAMPS: Chuck Sonner, Southern WA. Mineralogical Society, 165 Tingle Rd., Winlock, WA. 98596, (360) 785-3909, chuckagate2@yahoo.com

SUPPLIES: Patty Amos, Mt. Hood Rock Club, 15523 NE 214th Ave., Brush Prairie, WA98606, (360) 892-3716, pacrats2@q.com

WAYS & MEANS: Janice Van Cura, Willamette Agate & Mineral Society, Inc., 3448 NW Covey Run, Corvallis, OR 97330 (541)753-2401, jvancura@peak.org

WEBMASTER: Brad Larson, Owyhee Gem and Mineral Society, 4112 E. Park Ridge Dr., Nampa, ID 83687, 208-465-1920, nfms.webmaster@gmail.com

NFMS SPECIAL COMMITTEES

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, PO Box 3326, Irrigon, OR 97844, 541-626-3131, 65shark@gmail.com

WEBSITE CONTEST: Cheri George, lizardwoman3@yahoo.com

AFMS COMMITTEES (NFMS Representatives)

AFMS 5TH VP & AFMS FIELD TRIP –Doug True
ENDOWMENT FUND- Judi Allison
EDITORS HALL OF FAME-OPEN
NEWSLETTER EDITOR-Beth Heesacker
NFMS CLUB BULLETIN AIDS - Jim Landon
ROCKHOUND OF THE YEAR-Evelyn Cataldo (chair) & Bev Bockman

CONSERVATION & LEGISLATION-Darlene Posthuma
ALL AMERICAN AWARD- Sean Hietpas
sean.hietpas@gmail.com

INTERNATIONAL RELATIONS-OPEN
JUNIORS PROGRAM-Audrey Vogelpohl
PROGRAM COMPETITION-Darrell Watkins
PUBLIC RELATIONS-OPEN

SAFETY-Chuck Sonner
SCHOLARSHIP FOUNDATION-Dee Holland (chair) & Evelyn Cataldo

SUPPLIES AND PUBLICATIONS-Tim Hoff
JUDGE TRAINING COMMITTEE-Dee Holland

UNIFORM RULES-Dee Holland
WAYS AND MEANS-Lauren Williams (chair) & Janice Van Cura

WEBSITE-Brad Larson
WEBSITE CONTEST – Cheri George

THINGS YOU SHOULD KNOW

The **AMERICAN LANDS ACCESS ASSOCIATION (ALAA)** is a 501(c)(4) organization. Its purpose is to promote and ensure the right of amateur hobby fossil and mineral collecting, recreational prospecting and mining, and the use of public and private lands for educational and recreational purposes; and to carry the voice of all amateur collectors and hobbyists to our elected officials, government regulators and public lands managers. Your annual individual/couple membership fee is \$25 which helps support their activities. Club membership is \$50 per year. Send to Treasurer, P.O. Box 54398, San Jose, CA 95154. Make checks payable to: American Lands Access Assn. Applications can be downloaded at: www.amlands.org on the left side of the page. For more information contact: Doug True, Billings Gem & Mineral Club, 2622 Broadwater, Billings, MT 59102, 406.670.0506, dtruefossils12@yahoo.com

The **AFMS NEWSLETTER** is published monthly except Jan-Jul-Aug by the American Federation of Mineralogical Societies. Each NFMS member club should have three people (usually the Pres, Secretary, and Editor) receiving the AFMS Newsletter. If they are not, or if anyone else wants to subscribe (\$4.50 per year). Contact: AFMS Central Off., Steve Weinberger, P.O. Box 302, Glyndon, MD 21071-0302 cebar62@aim.com Make checks payable to "AFMS".

The **NORTHWEST NEWSLETTER** is the official publication of the Northwest Federation of Mineralogical Societies (NFMS) and is usually published ten (9) times per year. This publication is brought to you through your club membership in the NFMS. The purpose of the Northwest Newsletter is to keep all NFMS members informed of activities and events pertaining to the business and services of the Federation. The Newsletter is printed and mailed to approximately 3500 homes in six states by Oregon Lithoprint in McMinnville, Oregon.

For matters related to the Newsletter (i.e. content, advertising, etc.) contact the Newsletter Editor. For matters related to the Newsletter circulation (new members, address changes, etc.) contact Circulation.

SHOW COORDINATION. Your Federation 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 calendar from "Lapidary Journal". Please provide the date and time for the show, the club name and show title (if applicable), the location of the show, admission price, and most important a contact person 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 Editor.

SAVE STAMPS PROGRAM. NFMS members are encouraged to use and save commemorative stamps. The money generated from the sale of these used (cancelled) stamps is then donated to Cancer Research. The collected stamps can be sent to the Stamps Chairman, brought to the NFMS Annual Show or given to your Federation Director in your club.

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

To NFMS Treasurer for:

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

Send to: Lyle Vogelpohl, 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, Seattle, WA 98126-3617

To NFMS Scholarship Chairperson for:

1. Donations to AFMS Scholarship Fund
2. Memorial contributions to AFMS Scholarship

Make check payable to AFMS Scholarship Fund.

Send to: Evelyn Cataldo (see Scholarship this page).

To AFMS Endowment Fund for:

1. Donations to AFMS Endowment
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/>

NFMS NEWSLETTER AND WEBSITE ADVERTISEMENT

Members, Non-members, clubs, etc. can advertise in the Northwest Newsletter. This service is provided to help defray the cost of printing and mailing the newsletter and is encouraged by the Federation. The only criteria for the ad is that it be hobby related (e.g. rocks, equipment, grit, shows, etc.).

Ads for the Northwest Newsletter are \$1.50 per square inch.

Example: 3" x 4" ad = 12 inches

12 inches x \$1.50 = \$18 per issue of the Newsletter

For an additional 50% of the cost of the Newsletter ad, you can have the same ad placed on the NFMS website for the same length of time. The Newsletter ad must be purchased to receive this additional advertisement.

Do not send ads on colored paper because the back-ground will look gray in the ad. The Editor will send a billing statement to the customer which will include instructions to make payment to the NFMS Treasurer. For more information or questions, call, e-mail or write the **Newsletter Editor**

**See the NFMS on Facebook**

<https://www.facebook.com/groups/NFMS1>
(for the desktop/laptop/tablets)

<https://m.facebook.com/groups/NFMS1>
(for mobile devices like phones)

(continued from page 1)

The text shown below was taken from a BLM website:https://www.blm.gov/co/st/en/BLM_Programs/minerals/locatable/locatable_minerals.print.html

"The federal law governing locatable minerals is the General Mining Law of 1872 (May 10, 1872), which declared all valuable mineral deposits belonging to the United States ... to be free and open to citizens of the United States to explore for, discover, and purchase."
*"Mineral deposits subject to acquisition in this manner are generally referred to as "locatable minerals." **Locatable minerals** include metallic minerals (gold, silver, lead, copper, zinc, nickel, etc.), nonmetallic minerals (fluorspar, mica, certain limestones and gypsum, tantalum, heavy minerals in placer form and gemstones) and certain uncommon variety minerals. It is very difficult to prepare a complete list of locatable minerals because the history of the law has resulted in a definition of minerals that includes economics."*

What every Idahoan should know!

Approximately 3 million acres are targeted for withdrawal in Idaho. Affected areas include much of the land in and around the Lost River basin between Challis and Arco, much of the Lost River mountain range, as well as huge swaths of land around Carey. Some of these areas are prime rockhounding country. If the proposal proceeds as currently planned, the public will no longer have access to the locatable minerals in the withdrawn areas for the next 20 years. For example, I will not be allowed to collect a piece of tube agate near the Doyle Creek road **for the rest of my life!**

How are local jurisdictions affected?

Idaho is called the Gem State for a reason. We live in a mineral paradise. Rockhounding is a tourist attraction. Because of our fortunate geology visitors are drawn to Idaho from around the world. The minerals of interest to rockhounds typically include jaspers, agates, and other minerals and rocks that have little or no commercial value. Rockhounds start with rough materials and create beauty. The activity provides an opportunity for both the young and the old to enjoy areas of our backcountry that are seldom visited by others.

Rockhounds stay in hotels and campgrounds, eat at restaurants, and buy gas and supplies. Revenue flows into communities with no more investment or effort than allowing access to minerals in nearby Federal lands.

What to do?

Help rockhounding survive in your area. **PLEASE** write a comment and send it to the BLM. Send a note to your congressman too. We are the Gem State! We live in a mineral paradise! Rockhounds are not a threat to sage-grouse habitat! There has to be a reasonable solution.

A sample comment form is attached at the end of this letter. A comment may also be submitted by email.

The last day to submit comments to the BLM is March 30, 2017.

The BLM has to receive comments by that date. So, allow time for delivery if you use postal services.

Thank you for considering our concerns.



Gerry Gibeault
 (208) 589-0736
ggebo@cableone.net



Greetings

This has been a very busy time of year - Don't you love it when it is Springtime in the Rockies.

I am sure most of you know what I am talking about. Like push snow for two or three days then have a cool, but snowy day or two. Then push more snow and so on!

Well, guess what! It looks like Spring has Sprung. At least the weather report looks favorable for the next ten days or so. In all, I feel we have had a good winter. We have needed the snow and rain. The water content in the Mountains looks good so far - That is if it doesn't all come down at once. But we will cross that bridge when we get to it, that is if the Bridge Doesn't Wash Out!

Anyway we have been able to enjoy some warmer weather so we decided to go to Yellow Cat and do some rock hounding. We didn't get many rocks, but we had a great time!

Now we need to get back to reality and get prepared for our Timpanogos Gem & Mineral Society's "Spring Parade of Gems". By the time you read this, the Show will be history - We are hoping for a great show!

As always, Golden Spike will be having their Show in mid April and it is always a great Attraction.

You will be able to locate Rock Shows in all areas where you live, or may be traveling, for the balance of the Summer by reading the Northwest Federation News Letter, or you can go to Rock & Gem web page.

In May, we are looking forward to a trip to Hamilton, Montana to attend the Bitter Root/NFMS Show & annual meeting . This will be a "Great, Do-not-Miss Event."

Let's all get out and enjoy our Hobby, "Rock Hounding!" Oh by the way -I'm quoting from some safety tips I read - "If you see a stick on the Trail that moves - Don't pick it up!

"Enjoy what you do - and - Do what you enjoy!"



Ronna Watkins
2nd Vice President

No report submitted.





NFMS SHOW !

Hosted by the
Bitterroot Gem & Mineral Society

**First Interstate Center
Ravalli Fairgrounds
Hamilton, Montana**

May 19-21, 2017

**Show Times are Friday 10-6
Saturday 10-6
Sunday 10-4**

Montana

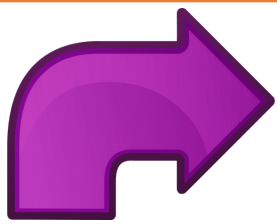


List of Speakers

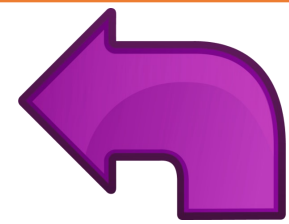
Dave Trexler, Paleontologist, Two Medicine Center
George Stanley Jr., Professor of Geosciences and Director of the Paleontology Center at U of M
Dick Berg of Montana Tech, Talks about Sapphires
Ted Antonioli, Consulting Geologist, Member of Montana Mining Association
Bruce Baty, Talk on Glacial Lake Missoula
Lee Filliman, Fossils and Petrified Trees of Yellowstone

List of Vendors

- | | |
|---|---|
| 1. World Fossils and Minerals, Herbert Shepard | 14. T&B Gems, Thurston and Betty Dotson |
| 2. Kitty Kat Jewelry, Kathy Meuchel | 15. Azara Creations, Yvonne Flack |
| 3. Earth's Treasures, Cindi Allison | 16. Rock in Roses, Mike and Dianne Rose |
| 4. C' Anne's of Montana, Christine Burmitt | 17. The Local Stone, Stan Kosteczko |
| 5. Granite Mountain Nature Gallery, Dennis DeLaet | 18. Fine Opals, Mulugeta Kebede |
| 6. Nel's Rock "N" Wood, Nel Buck | 19. Gem Stone Connections, Dave Schell |
| 7. Tiger Eye Minerals, Cindy and Leo George | 20. Lazurus, Dan Radakovick |
| 8. Canyon Creations, Dennis Grunder | 21. Washingtons Treasures, Stewart Wilson |
| 9. Maki's Gems, Mike Maki | 22. Dale's Minerals, Dale Hart |
| 10. McKenize Gem's, Don McKenize | 23. Stitches "N" Stones, Mark Lent |
| 11. Bonnie's Rocks, Bonnie Kline | 24. Nesper's Montana Agate, Jeff Nesper |
| 12. Amphersand Gems and Jewelry, Arla Defield | 25. C and S Minerals, Charles Jago |
| 13. Paleo Enterprises, Doug True | 26. Gemsparkly, Aregawi Yekunno |



IMPORTANT NOTICE



**Please submit all membership and address changes to Tom Burchard,
Circulation Chair, and to Carol Willey, Directory Chair.**

**Their contact information can be found on the second page of this
newsletter.**

**You MUST submit all show information (including admission charge) to
Pat Lambert, Show Coordinator. FUTURE SUBMISSIONS MADE
DIRECTLY TO THIS EDITOR WILL BE IGNORED!**

**Pat's information can be found on the second page
of this newsletter.**

THANK YOU.

Northwest Federation of Mineralogical Societies
 79th Annual NFMS Show and Convention
 May 19th, 20th and 21st, 2017
 Hosted by Bitterroot Gem and Mineral Society
 First Interstate Center, 100 Old Corvallis Rd., Hamilton, MT 59840

NFMS COMPETITIVE ENTRY FORM
Dig This!
First Interstate Center, 100 Old Corvallis Rd. – Hamilton, Montana
May 19 – May 21, 2017

COMPETITIVE EXHIBIT ENTRY DEADLINE: April 19, 2017

All entries may be set up beginning Thursday May 18, 2017 from 9am to 8pm.
All entries must be ready for judging by 8:30am Friday the 19th and may not be removed prior to the close of the show Sunday, May 31, 2017. All exhibits must be removed by 5 pm Sunday.

SECURITY WILL BE FURNISHED
 TWO GUEST PASSES PER EXHIBITOR WILL BE PROVIDED

Cases will be assigned space on display bases approximately 40 inches high. Exhibits are limited to 150 watts of power per case, and exhibitor should supply a three prong extension cord to reach the power supply under the tables. (Normally 10 feet) If borrowing a case power cords will be provided.

Please complete all information on the entry form and the certification form and mail or email to the competitive exhibit registration chairman for acceptance and acknowledgment. Mail to: Bob Gibson, P.O. Box 942, Hamilton, MT 59840-0942 or gibcott@gmail.com.

You must fill out a separate application for each entry. **ENTRY DEADLINE: April 19, 2017**

Refer to the AFMS Rules Updated to January 2017 for Competition. For updated rules, go to: www.amfed.org.

If you are uncertain as to the correct class or group you should enter or for clarification of the rules, contact **Bob Gibson, 326 Snow Goose Ct., Hamilton, MT 59840**.
 Email: gibcott@gmail.com.

LIABILITY: It is mutually agreed that the Northwest and American Federation of Mineralogical Societies and the Bitterroot Gem and Mineral Society shall not be liable to any Exhibitor in whole or part. This includes the property of the exhibitor or the injury to their person resulting from any cause. Submitting this signed application for entry constitutes acceptance of these rules and regulations.

Signature _____
NFMS COMPETITION ENTRY FORM
(AFMS RULES)

ADVANCE REGISTRATION FORM Deadline April 19, 2017

Please use one form per person. Forms may be duplicated. Payments may be combined.

Name: _____

Address: _____ Street _____ City _____ State _____ Zip _____

Email: _____ Club Federation Affiliations _____

Please mark all that apply:

Past President NFMS _____ NFMS Officer _____ Committee Chair _____

NFMS Delegate/Director _____ NFMS Alt Delegate _____

Judge _____ Clerk _____ Demonstrator _____ Exhibitor: Competitive _____ Non-Competitive _____

SHOW ADMISSION Daily Rate 3-day pass Total Cost

Adult \$3.00 \$8.00 \$ _____

Children 12 and under free with adult

Show Times: Friday 10-6, Saturday 10-6, Sunday 10-4

Note ALL Food Events REQUIRE PRE-REGISTRATION with Awards Banquet off site.

Time	Cost	Mark to attend	Total Cost
Friday May 19 th			
NFMS Annual Meeting 4:00	No cost	_____	\$ _____
Saturday May 20 th			
Officers/Committee Chairs Judges and Past Presidents Lunch	Noon \$15.00	_____	\$ _____
Social Hour (No Host) 5:00	Cash Bar	_____	\$ _____
Awards Banquet 6:00	\$32.00	_____	\$ _____
Prime Rib _____ Chicken _____ Dietary Restrictions _____			
Sunday May 21 st			
All Editors Breakfast 8:00 am	\$10.00	_____	\$ _____

Total Amount due \$ _____

Camping at Fairgrounds with Electric only \$15.00 per day. Contact Chris at 363-3411 for reservations and Payment, OR Black Rabbit RV Park at 363-3744 OR Anglers Roost at 363-1268 for reservations and Payment.

Make checks payable to: Bitterroot Gem and Mineral Society (or BGMS). Before April 19, 2017

Mail application and remittance before April 19, 2017

Bitterroot Gem and Mineral Society (or BGMS) 309 Bailey Ave. Hamilton, MT 59840

Show Chair: Steve Vieth 406-381-7597 email: viethsteve88@gmail.com

Club use: Date received _____ Check # _____ Amount _____ by _____

NFMS/AFMS NON-COMPETITIVE ENTRY FORM

Dig This!

**First Interstate Center – Hamilton, Montana
May 19 – May 21, 2017**

NON-COMPETITIVE EXHIBIT ENTRY DEADLINE: April 19, 2017

All entries may be set up beginning Thursday May 18, 2017 from 9 am to 8pm, 8 am to 8:30 Friday. **All entries must be ready by 8:30am Friday the 19th** and may not be removed prior to 4pm Sunday May 21st. All exhibits must be removed by 5 pm Sunday.

You must fill out a separate application for each entry. Security will be provided during the show. Exhibitor will receive two free passes to the show.

Cases will be assigned space on display bases approximately 40 inches high. Exhibits are limited to 150 watts of power per case, and if an exhibitor is bringing their own case we suggest supplying a three prong extension cord to reach the power supply under the bases. (Normally 10 feet) Loaner cases will have power cords.

Please complete all information on the entry form and the certification form and mail or email to the exhibit registration chairman for acceptance and acknowledgment. Mail to: **BGMS PO Box 942 Hamilton Montana 59840-0942 or Email to gibcoff@gmail.com.**

LIABILITY: It is mutually agreed that the Northwest and American Federation of Mineralogical Societies and the Bitterroot Gem & Mineral Society shall not be liable to any Exhibitor in whole or part. This includes the property of the exhibitor or the injury to their person resulting from any cause. Submitting this signed application for entry constitutes acceptance of these rules and regulations.

NAME _____
 ADDRESS _____
 PHONE _____ EMAIL _____
 SOCIETY _____ City State _____

Do you have your own case? _____ Size: Width _____ Height _____ Depth _____
 Do you want to borrow a case? _____ Cases will be available on a limited basis.
 Basic size: 4 ft x 2 ft x 2 ft. Loaner cases do not always have risers, but will have liners.

Description of Material to be presented _____
 Signature: _____
Be sure and make a copy for your use.



79th Annual
May 19-21, 2017
Northwest Federation Show
DIG THIS!
 Hosted by: The Bitterroot Gem & Mineral Society
 Sponsored by: Mountain FM 102.5 and The Drive 107.9
 Featuring Dave Trexler, Paleontologist, Two Medicine Dinosaur Center
 Presentations Vendors Local Rockhounds Geodes
 Silent Auction Field Trips Dealers Displays
 Minerals Fossils
 http://www.bitterrootgms.org Facebook: Bitterroot Gem and Mineral Society (public group)

2017 Speakers

Dave Trexler	Paleontologist, Two Medicine Center
Allen Marquette	Paleo Education, Woolly Mammoths
Dick Berg	Montana Tech, Talks about Sapphires
Ted Antonioli	Consulting Geologist, Member of Montana Mining Association
Bruce Baty	Talk on Glacial Lake Missoula
Lee Silliman	Fossils and Petrified Trees of Yellowstone

Show Update!

By Faith Farley

The Annual NFMS meeting will be held on Friday, 19th at 4:00 p.m. in the Tammeny Room at the Bitterroot River Inn, 139 Bitterroot Plaza Dr, Hamilton, MT 59840.

For Federation needs and events please call Faith Farley, 1 406 961 3347.

Display cases non-competitive and competitive, contact Bob Gibson, 1 406 361 0870.

For the show and any other questions or concerns Steve Vieth, 1 406 381 7597.

Field trips are still unplanned due to the severity of the winter we've had. There is a lot of snow pack in the mountains and will have to wait and see what is available. I will keep updating our web site on this. Our web site RAVALLIGEMANDMINERALCLUB.ORG is updated weekly.

We Need Rocks for the Silent Auction at the NFMS Show By Hidemi Kira



There will be a Silent Auction at the coming NFMS Show in Hamilton. We will need lots of material for the Silent Auction, so please consider donating some material. It will be great if your club or individuals can bring a bucket or two of material that comes from your area or have rocks you can give away. And please come and help the Silent Auction if you can during the show. Your contribution will help the NFMS!

Please email me at htkira@spiritone.com if you have any questions.

Thank you in advance for your help and look forward to seeing you all in Hamilton.

A REMINDER AND REQUEST FROM THE CREDENTIALS COMMITTEE

CREDENTIALS FOR ANNUAL MEETING

Clara & Del Walker, Committee Chairpersons, must receive the NFMS Credentials, the NAMES (only) of Club Directors and Delegates, as soon as possible (ASAP) for planning purposes of the meeting. The annual meeting will be held in Hamilton, MT, on Friday, May 19th, at 4 pm, (off-site) at the Bitterroot River Inn.

The Credential forms below must be completed by the designated director/delegate, signed by the Club President and Secretary, and **BROUGHT BY THE DIRECTOR AND DELEGATE** to the annual meeting. Or, this should be done by the alternate delegate(s), if necessary. Give us the name(s) (not the credentials forms) at least two weeks prior to the meeting. Call, email, or send to:

Clara & Del Walker
12377 SE Davis Loop
Prineville, OR 97754

Call 503-812-6540 or email to cdwalker@q.com
(note email address that is a "Q" not a "G")

NFMS DIRECTOR'S CREDENTIALS

Name of Director _____
Name of Club _____
City, State _____
Club President Signature _____
Club Secretary Signature _____
Date _____

Must be completed and signed to be seated with voting rights at the Northwest Federation of Mineralogical Societies Annual Meeting

NFMS DELEGATE'S CREDENTIALS

Name of Delegate _____
Name of Club _____
City, State _____
Club President Signature _____
Club Secretary Signature _____
Date _____

Must be completed and signed to be seated with voting rights at the Northwest Federation of Mineralogical Societies Annual Meeting

Come to the NFMS Meeting in Hamilton, MT

By Judi Allison, NFMS Secretary

Hello from your Secretary. We are less than two months away from our annual meeting to be held on May 19th in Hamilton, Montana. I hope to see representatives from all the clubs at the meeting. Remember, as a director or delegate for your club this is the one time you get to vote on issues before the Federation. Even if you are not a voting representative, you are encouraged to attend the meeting. It is a great place to learn about all the things accomplished and all the people in our Federation who are working to help keep our hobby alive. Come join us! The more the merrier!



2017 GEM SHOW

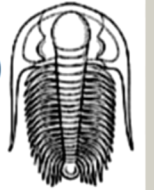
**Hosted By Lakeside Gem & Mineral Club
21st Annual Show**

**Saturday, April 22nd – 10 am to 5 pm
Sunday, April 23rd – 10 am to 4 pm**

**Benton County Fairgrounds
1500 S. Oak St., Kennewick, WA**



**Adult Admission \$5 (good for both days)
Children 14 and under FREE
with paid adult admission**

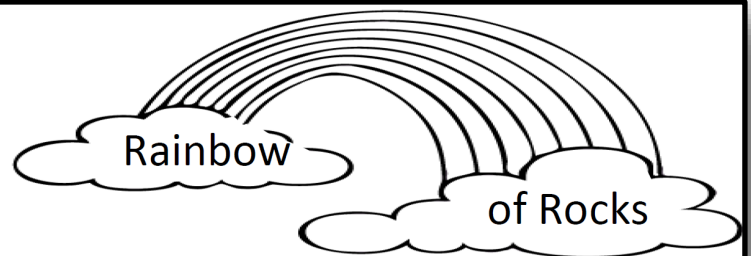


Events & Activities Include:
40+ Collectors' Exhibits
Great Door Prizes
Gem, Mineral, Fossil & Jewelry Dealers
Fluorescent Displays
Kid's Korner – Games & Crafts
Silent Auctions
Geode Cracking
Tailgating – Sunday 7am to noon

Demonstrations Include:
Cabochon Fashioning
Gemstone Faceting
Gem Trees
Sphere Making
Silversmithing
Wire Wrapping
Jewelry Fabrication

**Bring This Flyer To The Show For
\$1.00 Off Price Of Admission
(Good for One Person per Flyer)**

2,3/17



*2017 Rock & Gem Show
presented by
Umpqua Gem & Mineral Club*

**Saturday, May 6 – 9am to 5pm
Sunday, May 7 – 10am to 4pm
Douglas County Fairgrounds
I-5 exit 123 * Roseburg, OR**

**FREE Admission – donations appreciated
Food Concessions by
Idleld Lodge**

DON'T MISS THE FUN!

**Gem and Mineral Displays
Rock and Jewelry Dealers
Demonstrations
Door Prizes * approx. every 1/2 hr.
Silent Auction * Raffle Prizes
FREE Kids' Activities:
Rock Hunts: Sat: 11am * 1pm * 3pm
Sun: 1pm * 3pm
Rock Painting with *Michael's***



2,3,4/17

ROCKHOUNDS OF THE YEAR

The **Cascade Mineralogical Society** (CMS) of Kent, Washington would like to nominate, **Bob Pattie**, for Rockhound of the Year. Bob has been active in CMS (formerly Boeing Employees Mineralogical Society) for over 40 years. He has held nearly every club position, including president 4 different times. He has been an officer of the Washington State Mineral Council since 1975. Bob has made presentations to Boy Scout troops, schools, home school sessions, other clubs, and organizations across the state of Washington yearly.

Bob helped put together the original WSMC map books, and continues to help with updates. He has written an article for Rock & Minerals as well as letters and presentations to Washington State legislators in Olympia on land use issues. He works tirelessly to keep sites in Washington open for collecting. He has represented the WSMC on various state committees on land use and road access. The latest involved road closures in the Mt. Baker/Snoqualmie forest areas. CMS is thankful to have Bob as one of its key members as are rockhounds across the state.



NFMS History

BY LINDA BARLOW, NFMS HISTORIAN from Idaho Gem Club

Looking back on the history of the NFMS, I found a time-line for “Rockhounds joined together to form unions, to associate with fellow rockhounds, to put on shows”. For us newer members, it is interesting to see how we as a federation have evolved. When we study history, it helps us progress and continue on a path of expansion and assistance for the individual members and the clubs. It helps us keep our hobby alive along with the history of our earth which are the treasures we find, display, and use to create memories. Read this to step back in time and to move forward.

1938- Seven clubs met to form the Northwest Federation of Mineralogical Societies:

1. Washington Agate & Mineral Society, President, Ray C. Grulke
2. Oregon Agate & Mineral Society, President, E.H. Rockwell
3. Deschutes Geology Club, President, C.G. Springer
4. Camas Mineral Society, President, Arthur K. Harris
5. Columbian Geological Society, President, Charles O. Fernquist
6. Gem Collectors Club, President, M.F. Reed
7. Tacoma Mineral Society, President, Floyd A. Holmquist

First President of the Northwest Federation was Dr. Henry C. Dake

1942- Suspended meetings and shows for the duration of WWII

1947- Four Federations met to form the American Federation of Mineralogical Societies

1950- Eastern clubs formed a Federation and joined the AFMS

1954- South Central (originally Texas, founded in 1946) joined the AFMS

1993- Southeast joined the AFMS, bringing the total to seven Regional Federations.

1992- The American Lands Access Association, ALAA, was founded to provide a lobbying arm for the AFMS, its member Federations, and thus all rockhounds who belong to member societies.

Through membership in local clubs that affiliate with the NFMS, rockhounds have access to, and are part of, these larger unions. Each Federation, on a rotational basis, hosts the National Show and Convention. The Northwest hosted the show at Boise, Idaho, in 1995 - and will host another AFMS Show and Convention in 2002.

I was privileged to attend the last NFMS hosting of the AFMS Show and Convention, 2016 in Oregon. I loved seeing the display cases and attending the Silent Auction. What great Oregon and Northwestern rocks the hosting club displayed. Unfortunately, I will not be able to attend the 2017 as I will be back in Ireland doing more ROCKHOUNDING! I will be at our NFMS Show & Convention in Hamilton, Montana; I look forward to seeing all of you there.



From the Editor's Rockpile

By Beth Heesacker



Sometimes plans do not work out the way you hoped. We had planned on going back east for 2 mineral conferences but that did not happen. If any of you have been watching the weather reports for the east coast recently you can all breathe a sigh of relief with me that we did not make the trip. We have had enough of that kind of weather here in the Pacific North West!

Well, what am I going to do with the 2 months we had planned for the travel? Those who have heard what I brought back from our trip to Redlands from the micro-mount conference there and from Tucson know that I came back with about 150 flats of minerals to process into my collection. Processing means, in some cases, just entering information about an already mounted specimen into my database. In many cases I need to break the rough material down and look at the pieces in order to find the crystals and then mount the specimen(s) and enter its information into my database.

Now, when I break down the rough material there are lots of pieces of rock that have great crystals but I really do not need 100 or more specimens of the same thing. I select what I consider the best depending on size, associated minerals and aesthetic appearance (each person's opinion and needs are different). The rest go back into the flats and are ready to take to the next micro-mineral meeting.

The micro-mineral community is a wonderful sharing group. At all the meetings there is a give-away table where everyone is allowed to take whatever they need to add to their collections. Those flats that are my left-overs will go with me to those meetings and given away to collectors who have so graciously given to me in the past. It feels good to be able to finally be able to give back.

Since we are not traveling I will be well prepared to share with those who have shared with me. And also Paul knows right where to find me - in my mineral room.



2017 AFMS-CFMS Show & Convention

June 9-11, 2017

Ventura, California

AFMS Judges Training Seminar

June 6-7, 2017
 Clocktower Inn
 Ventura, CA



AFMS JUDGES TRAINING SEMINAR

When: Tuesday, June 6, Wednesday, June 7, 2017
Where: Clocktower Inn, 181 East Santa Clara Street, Ventura, Ca 93001

Please fill out the application below and return to:
 Jennifer Haley, Registrar
 1577 Kenewa St. Ojai, CA 93023

Registration Deadline: April 30, 2017

Please Print _____
 Name _____
 Address _____
 Email _____
 Regional Federation _____
 Club/Society _____
 Division you are interested in:
 Open _____ Minerals _____ Lapidary _____ Jewelry _____ Education _____ Meteorites _____
 Fossils _____ Petrified Wood _____ Scrimshaw _____ Beading _____ UV _____
 I'm bringing an exhibit for evaluation _____

YOU MUST BRING AN AFMS UNIFORM RULES BOOK, UPDATED TO 2017.

This can be download on the AFMS website. Bring a pen and notepaper with you. There is \$25 fee per person which includes a lunch on Tuesday & Wednesday. Checks should be made payable to Jennifer Haley and must accompany the application. Lunch-check one: T-Rex style (meat eater) _____ or Brachiosaurus style (vegetarian) _____.
CLASS SCHEDULE: Tues & Weds 10:00 a.m.-7:00 p.m. in the Sante Fe Banquet Room at Clocktower Inn. Evaluation of exhibits begins on Friday, June 9, 2017 at 9:00 a.m. at the Ventura County Fairgrounds, 10 W. Harbor Blvd, Ventura, CA. The Judging Room will be in the San Miguel/Anacapa Halls.

CLOCKTOWER INN: If you would like to stay at the inn, we got the best room rate in Ventura, along with free parking which is also unheard of for Ventura. Another perk, the inn is very close to the Ventura County Fairgrounds.

YOU MUST MAKE YOUR OWN RESERVATION.

The room block is under the name, AFMS. Complimentary parking for anyone staying at the hotel, and for attendees at the seminar. \$129.00 Plus tax per room with one bed per night for single or double occupancy. \$139.00 Plus tax per room with two bed per night for single or double occupancy. \$100.00 per each additional person up to quad occupancy \$15 extra for rollaway bed.

Free Breakfast Daily from 7-10 AM, for those staying at the hotel. Free Wifi Above Rates will apply three days prior to, and three days after the seminar.

The deadline to make your reservation to stay at the inn is May 15, 2017.
 Hotel contact: Vicki Samra (Sales) 805-652-0141 vicki@clocktowerinn.com

For more information contact, Jennifer Haley: ladybuglane@napablogger.com or phone: 707-332-3032

See you there! Marion Roberts, AFMS Uniform Rules Chair 2017



THINGS TO DO WHEN ATTENDING THIS YEAR'S NATIONAL SHOW!

By Jim Brace-Thompson, 2017 CFMS-AFMS Show Publicity Chair

On behalf of the Ventura Gem & Mineral Society, I've been issuing invitations to attend and exhibit at this year's national AFMS Show & Convention taking place June 9-11 in Ventura, California. For those making such plans and traveling from across the country, I want to alert you to the many other things to do while in SoCal (short for Southern California)!

We have great fee digs up and down the state for rare and valuable gemstones and fossils, including giant shark teeth at Shark Tooth Hill near Bakersfield or several tourmaline mines near Pala in San Diego County. We also have world-class museums. For instance, one of the exhibits at the Show will feature minerals from the Natural History Museum of Los Angeles County and another will highlight meteorites from the UCLA Meteorite Gallery. Both places are within easy driving distance of Ventura—so long as you don't hit the freeway during morning or evening rush hours (or any time in between). In SoCal, you'll also find the La Brea Tar Pits, the Santa Barbara Museum of Natural History with great fossil and mineral displays, and more. For those looking for attractions above and beyond rocks, Ventura County is also home to the Ronald Reagan Presidential Library & Museum, some 30 minutes from the Fairgrounds.

To find out more about these and other attractions, go to the show website at <http://2017CFMS-AFMSShow.com>. We within the Ventura Gem & Mineral Society look forward to hosting you at the national show and convention—and to helping you enjoy your visit to Southern California!



From Here to There and Back Again

By RoseMae Bork, Mt. Baker rock and gem club



In my younger years we traveled to rock hound field trips and gathered many treasures and even leaver-ites, from here and back again.

To Cle-Elum to camp-out with the powwow group and collect crystal geodes on Red Top, to Wenatchee for actinolite, Saddle Mountain for petrified wood.

We found trilobites at Metaline Falls. Pink Limb near Primville and rattlesnakes too.

From here and back again to Richardsons ranch for thundereggs. Kalama gave us carnelian a plenty and a beautiful botryoidal agate from Kalama.

Mud balls with crab fossils in the Twin Rivers area near Joyce, WA. And dentalium shells. Also ship worm wood.

Race Horse Creek for leaf fossils and back again to an area with a huge split rock, where we found agate and pyrite. Off to a mineral council trip to collect rhodenite.

We collected jade at several spots, crystal geodes at Walker Valley. Marble Mountain found us collecting soapstone, garnerite (nickelite) and a nice piece of chrysoprase

We journey on to Bear Mountain in Canada and from here and back again, to walk the Hope Slide and then off to the Frazer River. We joined with a Canadian club to get belemnites way up past the Sasquatch Inn over 25 miles up the north end of Harrison Hot Springs.

Lake Superior and the upper peninsula for copper, agates and specimens of copper in riolite. Collected Petosky stone.

From here and back again, on to Denver for the show. Purchased a large display of shark teeth and many other interesting minerals.

Now we follow the 4-H group to Butte MT for rhodonite collected on the side of the road behind the memorial for the workers killed in the mine. Went to Crystal Park. It is now the fourth of July and snowed all day. The next trip we went for garnets at Wenatchee.

From here and back again, (we've been everywhere) or it seems. Now off to Alger for dalmation rock, over near Walker Valley for Obrien red and blue ledge agate.

Now that I'm older and rockhound trips are a thing of the past for me I have good memories of the people who went with us. Campouts were fun and the things we collected are a tribute to the many beautiful specimens we have to enjoy. Camping places are being locked up and gates now close off many of the places we collected in the past. So, if your club offers a field trip take advantage of it now before it is too late. What a terrific hobby to be involved with. Enjoy it while you can. Rockhounding can be a great family affair and educational.



Spring SALE

Annual Spring Rock Sale

May 5-14, 2017

Jewelry and faceted stones - 1/2 price
Tons of rough rock - \$1 per pound
2,500 cabs
Lapidary machinery
Beads and findings
Fluorescent Display

Howard and Jeanette Bushman
14902 SW Glade Lane
Sherwood, OR 97140
503-625-5177




62ND ANNUAL THUNDER EGGS

Theme for 2017 Show

River of Gems

2017



Presented By
Willamette Agate & Mineral Society, Inc.
A non-profit educational organization

FRIDAY	SATURDAY	SUNDAY
APRIL 14	APRIL 15	APRIL 16
9 AM - 5 PM	9 AM - 5 PM	10 AM - 4 PM

ROCKS AND GEMS (ROUGH & POLISHED SPECIMENS), JEWELRY, FOSSILS, BEADS, AND MINERALS FROM AROUND THE WORLD

Admission (Kids Under 12)
\$2.00 Free

Dealers Specializing in
 Jewelry • Crystals • Minerals
 Lapidary and Faceting Materials
 Silver • Precious Gems • Fossils • Beads
 Lapidary Tools and much more!

Educational Opportunities
 Friday - Dedicated to School Children

Display Cases with rocks, gems collections from across the globe and inspiring lapidary and jewelry projects.

Creative Craft Demonstrations including Gold Panning, Wirewrapping, Bead Making, Faceting, Cabochons, Fossil Preparation and learning opportunities.

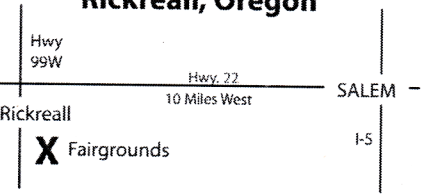
Plus Free Door Prizes • Fluorescent Show Raffle Drawing • Silent Auction Wheel of Fortune • Grab Bags Popcorn • Snack Bar

KID'S CORNER
 Games • Educational • Fun

Saturday - 1:00 pm (Kids Under 12)
TREASURE HUNT
 Join in the Fun for Thundereggs, Agates, Petrified Wood and Plastic Eggs Full of Surprises!

Sunday - 2:00 pm
ORAL AUCTION
 In support of the Scholarship Fund

Polk County Fairgrounds
Rickreall, Oregon



Visit our website at:
www.wamsi.net



Check it out!!!!

New website address for the NFMS!!!

<http://northwestfederation.org/>

The link from amfed.org links correctly to the new address

NFMS Clubs' Show Schedule

March 25 & 26 Sat – 10 – 6 Sun – 10 – 5	Mt. Baker Rock and Gem Club	Bloedel Donovan Community Center 2214 Electric Avenue Bellingham WA	Lori Nettles, 360 961 7873 lorinhardy@yahoo.com Club website – www.mtbakerrockclub.org
March 24 - 26 Fri – 10 – 6 Sat – 10 – 6 Sun 10 – 4	Rock Rollers Club of Spokane WA	Spokane County Fair & Expo Center, N.604 Havana at Broadway Spokane WA	Vonnie Dillon, 509 951 8173 showchair@rockrollers.org
April 1 & 2 Sat – 10 – 6 Sun – 10 – 5	Sweet Home Rock and Mineral Society	Sweet Home High School Gym 1641 Long Street Sweet Home OR	Joe Cota 541 451 2740 or Ed Anderson 541-451- 1577 ela4rocks@gmail.com PO Box 2279 Leba- non OR 97355
April 7, 8, & 9 Fri – 9-6 Sat – 10 – 6 Sun – 10 – 4	Golden Spike Gem and Mineral Society	Golden Spike Event Center Weber County Fairgrounds 1000 N 1200 W Ogden UT 88440	Deborah Blake 385 205 9187 gemshow@goldenspikegem.org
April 8 & 9 Sat – 9 – 5 Sun – 10 – 5	Maplewood Rock and Gem Club	Maplewood Rock and Gem Clubhouse, 8802 196 th ST SW, Edmonds WA	Mary Ann Collins, 206 714 3922 collmal@comcast.net
April 8 & 9 Sat – 10 – 6 Sun – 10 – 5	South East Idaho Gem and Mineral Socie- ty (SEIGMS)	North Bannock County Frgrnds, 10588 Fairground Dr., Pocatello ID 83201	Larry Manhart 208 705 7273 841 South Arthur Avenue Pocatello ID 83204
April 14, 15, & 16 Fri – 9 - 5 Sat – 9 - 5 Sun – 10 - 4	Willamette Agate and Mineral Society	Polk County Fairgrounds 520 S Pacific Hwy W Rickreall, OR 97371	Mimi Surgeon 503 602 9405 wams.riverofgems@gmail.com website: www.WAMSI.net
April 22 & 23 Sat – 10 – 6 Sun – 10 – 4	Yakima Rock and Mineral Club	Central Washington State Fair Grounds Modern Living Building 1301 South Fair Avenue Yakima WA 98901	Marti Sondgeroth, 2013 S 41st Ave., Yakima, WA 98903, Phone evenings 509-248-6401 leave a message, Cell daytime 509-910- 3484, marthams@q.com
April 22 & 23 Sat – 10 – 5 Sun – 10 – 4	Lakeside Gem and Mineral Club	Benton County Fairgrounds 1500 South Oak Kennewick WA	Mary Lou Omstead, 509 783 2798 PO Box 6652 Kennewick WA 99336
April 22 & 23 Sat – 10 – 6 Sun – 10 – 5	Idaho Falls Gem and Mineral Society	Idaho Falls Recreation Center, Corner of Memorial Drive and B Street, Idaho Falls, ID	Nicole Strong 208 768 7953 nicolek_hansen@hotmail.com or Gerry Gibeault 208 589 0736 PO Box 2362 Idaho Falls ID 83403
April 28 - 30 Fri – Sat – 10 – 5 Sun – 10 – 4	Mt Hood Rock Club	Jackson Armory 6255 NE Cornfoot Road Portland OR 97218	Wayne King mhrdc@gmail.com 503 284 7195 www.mthoodrockclub.com
April 29 & 30 Sat – 10 – 5 Sun – 10 – 5	West Seattle Rock Club	Alki Masonic Temple 4736 40 th Avenue SW Seattle WA	Diane Christensen diane@purns.org 206 582 2267 www.westseattlerockclub.org
April 29 & 30 Sat – 10 – 5 Sun – 10 – 4	Grays Harbor Gem and Geology Society	Grays Harbor Fairgrounds 43 Elma-McCleary Road Elma WA	Gary Emberley 624 Fairmont Place Aberdeen, WA 98520 360 533 6196 <a href="mailto:melis-
sa624@hotmail.com">melis- sa624@hotmail.com
May 6 & 7 Sat – 10 – 6 Sun – 10 – 5	Everett Rock and Gem Club	Everett Community College Walt Price Student Fitness Center, 2206 Tower Street Everett WA	Fritz Mack 425 232 0809 PO Box 1615 Everett WA 98206 Website: www.everettrockclub.com
May 6 & 7 Sat – 9 – 5 Sun – 10 – 4	Umpqua Gem & Mineral Club	Douglas County Fairgrounds, I-5 Exit 123 Roseburg OR	Sue Woodman 541 672 3486 rocksandhorses3@gmail.com
May 6 & 7 Sat – 10 – 5 Sun – 10 – 4	Billings Gem and Mineral Club	Al Bedoo Shrine Auditorium 1125 Broadwater Avenue Billings MT	Doug True dtruefossils12@yahoo.com 406 670 0506
May 13 & 14 Sat – 10 – 5 Sun – 10 – 4	Hatrockhounds Gem and Mineral Society	Hermiston Conference Center, 415 High- way 395 South, Hermiston OR	Mike Filarski, 541 571 2593 stonemorlin1@netscape.net
May 13 & 14 Sat – 10 – 5 Sun – 10 – 4	Bozeman Gem and Mineral Club	Gallatin County Fairgrounds Building #1, 901 North Black Bozeman MT	Jerry Hancock jaegers@bresnan.net PO Box 11001 Bozeman MT 59719
May 19 - 21 2017 NFMS Show Fri, Sat – 10 – 6 Sun – 10 – 4	Bitterroot Gem and Mineral Society	First Interstate Center Ravalli County Fairgrounds 100 Old Corvallis Road Hamilton MT	Steve Vieth, 406 381 7597 viethsteve88@gmail.com
May 27 & 28 Sat – 10 – 6 Sun – 10 – 4:30	Oregon Coast Agate Club	National Guard Armory, 541 SW Coast Hwy, Hwy 101 Newport OR 97365	George Mazeika 541 991 0311 <a href="mailto:george-
maze58@gmail.com">george- maze58@gmail.com PO Box 818, Yachats OR 97498 Website: www.coastagates.org
June 2, 3, & 4 Fri – 10 – 5 Sat – 10 – 5 Sun – 10 – 5	Puyallup Valley Gem and Mineral Club	Swiss Park 9205 198 th Avenue East Bonney Lake WA 98390	Nancy LeMay bees2knees@att.net 253 347 0794 PVGMC, % Club Show PO Box 134, Puyallup WA 98371 info@puyallupgemclub.org
June 3 & 4 Sat – 9 – 5 Sun – 10 – 4	North Idaho Mineral Club	Kootenai County Frngds. 4056 North Government Way, Coeur d'Alene ID	Dean Hutchinson 208 664 2712 <a href="mailto:daleru-
perd@gmail.com">daleru- perd@gmail.com PO Box 1643 Hayden ID 83835
June 10 & 11 Sat – 10 – 5 Sun – 10 – 5	Butte Mineral and Gem Club	Butte Civic Center Annex 1340 Harrison Avenue Butte MT	Pete Knudsen 406 496 4395 PO Box 4492 Butte MT 59702
July 15 & 16 Sat – 10 – 5 Sun – 10 – 5	Darrington Rock and Gem Club	Mansford Grange 1265 Railroad Avenue Darrington, WA	Ed Lehman, wsmced@hotmail.com 425 334 6282 (cell 425 760 2786) or Angela Moore <a href="mailto:ange-
la51726@gmail.com">ange- la51726@gmail.com 360 436 2107
July 21, 22, & 23 Fri – 9 – 6 Sat – 9 – 6 Sun – 9 – 5	Washington Agate and Mineral Society of Olympia and Tenino Rock Cruisers	Parkside Elementary School 301 Central Avenue E Tenino WA 98589	Daniel De Boer keylock1@live.com 5107 Brenner Road NW Olym- pia WA 98502 https://wamsolympia.wordpress.com
August 12 & 13, Sat – 9 – 5 Sun – 10 – 5	Maplewood Rock and Gem Club	Maplewood Rock and Gem Clubhouse, 8802 196 th ST SW, Edmonds WA	Mary Ann Collins 206 714 3922 collmal@comcast.net
September 9 & 10 Sat – 9 – 5 Sun – 10 – 4	Clallam County Gem and Mineral Associ- ation	Vern Burton Community Center, 308 East 4 th Street Port Angeles WA	Kathy Schreiner 360 681 3811 or Kathy Bach- man 360 681 3994 PO Box 98 Sequim WA 98382

NFMS Clubs' Show Schedule

October 13, 14, & 15 Fri – 10 – 6 Sat – 10 – 6 Sun – 10 – 5	Portland Regional Gem & Mineral Show Association	Washington County Fair Complex 873 NE 34 th Avenue Hillsboro OR 97124	Linda Harvey lindaharvey2010@gmail.com Portland Regional Gem and Mineral Show Association PO Box 5401 Portland OR 97228
October 28 - 29 Sat – 9 – 6	Clackamette Mineral and Gem Club	Clackamas County Fairgrounds, 694 NE 4 th Ave, Canby, OR	Beth Heesacker, heesacker@coho.net , 4145 NW Heesacker Rd., Forest Grove, OR 97116
October 28 & 29 Sat – 10 – 6 Sun – 10 – 5	Bellevue Rock Club	Vasa Park, 3560 West Lake Sammamish PKWY SE Bellevue WA 98008	Bruce Himko PO Box 1851 Bellevue, WA 98009 bellevuerockclub@comcast.net
November 11 & 12 Sat – 9 – 5 Sun – 10 – 5	Maplewood Rock and Gem Club	Maplewood Rock and Gem Clubhouse, 8802 196 th ST SW, Edmonds WA	Mary Ann Collins 206 714 3922 collma1@comcast.net
December 9 & 10 Sat – 9 – 5 Sun – 10 – 5	Maplewood Rock and Gem Club	Maplewood Rock and Gem Clubhouse, 8802 196 th ST SW, Edmonds WA	Mary Ann Collins 206 714 3922 collma1@comcast.net

CUTTING DIRECTIONAL MATERIAL

By Lamar Tilgner

Think about looking in a mirror, when you stand in front of the mirror you see yourself reflecting on the flat plane which is the back of the mirror. When you move to the side, your image disappears. Directional material works in the same manner but for different reasons.



"Directional Material" is anything that will change and/or reflect as the stone moves or turns, such as Tiger Eye, Rainbow or Sheen Obsidian, Labradorite, Goldstone, Moonstones, Sunstones, Star material, any chatoyant material. When you see the high intensity in brightness and clarity, you are nearing the parallel layer that is causing the change. To find that plane, get a light straight above the stone and place your viewing area as close to the light as you can get it. Now rotate and or turn the stone and see if the refraction brightness changes.

When you find the brightest plane you will have the flat of the plane facing you and have the correct direction to cut. (That would be parallel to the refractive plane). In the case of Rainbow Obsidian it would get you a single color, so; to get multiple colors, cut about 3 to 5 degrees off the plane. If you want to cut the Rainbow parallel to the plane and show a single color, cut your slab slightly thicker and make a high dome cab ; it will give you a rainbow bulls-eye. This plane can change directions as you cut because each layer can vary and the angle can change. Having the stone wet during this process can help the process. The stone must be cut parallel to the brightest plane showing on the stone. This is not the final check as some stones such as Labradorite has multiple crystals within a chunk and usually they will be oriented in different directions meaning you need to cut each crystal individually. This means that you must either cut the crystals apart or as you cut off each slice you need to check and see if you are cutting at the optimum degree. If not, adjust the stone in your vise and cut another slice.



When cutting a plume or dendritic material, if you cut across instead of parallel to the pattern you will see just the ends of the stem and plume instead of the beautiful fluff of the plume and the full benefit of the dendrites.

Petrified wood is not normally considered as directional material but due to the grain it does require attention when cutting. Most of the time you will see wood cut either with the grain or cross grain. I have found that some unique patterns will occur if you try some different angles. If you have a piece of Petrified Wood with a tight grain, (meaning grain close together) you can cut parallel to the grain lines and cut the stone slightly thicker so you can make a stone with a little higher dome. What you will get is a beautiful bulls-eye pattern on a round cab. If you cut an oval, you will have an oval bulls-eye pattern. It creates a very pretty stone.

If from all of this you get the idea that how you saw your rocks matters, you are right. Good material is ruined every day because it was just put in the saw vise and cut instead of reviewing the stone carefully to find the best way to get the finest material.



Crystal Park, Montana Needs a Host

By Jim Landon

The Forest Service is looking for a host/administer Crystal Park. They are thinking of having the host stay at Price Creek Campground and ride a bike or drive the ½ mile to Crystal Park for the day. Looking for someone to work Memorial Day Weekend to Labor Day Weekend. The job would entail giving information to the

public, advising public of rules, light cleaning sweeping of restrooms, help with litter control, cleaning of fire rings, and raking of tent pads (occasional).

Contact Matthew Walter if you are interested and wish more information, mwwalter@fs.fed.us

