

Return Bulletins to:
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Dusty Rocks

**January
2020**

ROCK AND ARROWHEAD CLUB

P.O. BOX 1803

KLAMATH FALLS, OR 97601

www.klamathrockclub.org



DUSTY ROCKS

Rock and Arrowhead Club ~ Klamath Falls Oregon



Outgoing OFFICERS & EXECUTIVE BOARD

President: Doris Newnham
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NFMS Director: Kathi Milem
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Klamath Falls, OR 97603

NFMS Delegate: Alyssa Carnes

Member @ Large: Leah Stump

www.klamathrockclub.org
Webmaster Denise Sebastian,
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Send your items for sale, photos, adventures, etc to newsletter editors
stroopemail@gmail.com or
chancechristing66@gmail.com

Committee Chairs

Sunshine.....Chris Chance
Program.....Kristin Sayles
Greeter/Door Prize.....
Refreshments.....Chris Chance
Historian.....Don Perryman
Librarian.....
Claims Rep.....Garwin Carlson
Field Trips.....
Black Light Display.....Marshall Curran
Show Chair 2020.....Denise Hard
Asst Show Chair.....
Safety Officer.....Laura Limb

Rock and Arrowhead Club Meetings are held at the Klamath County Museum Meeting Room – Main & Spring Streets, using the **West** entrance

Meetings are held on the 2nd Monday of each month at 7:00 pm with the exception of December when we have our Christmas Luncheon and Party **and after the March show, when the meeting is held on Tuesday.**

Visitors are cordially invited to all meetings. To join:

Dues are \$13.50 per year for singles, \$25 for couples \$30 families
The club mailing address is:
PO Box 1803, Klamath Falls OR 97601

General Objectives of the Club:

To promote popular interest, knowledge and understanding in the various earth sciences, as in Geology, Mineralogy, Paleontology and Lapidary and other related subjects. To sponsor and provide means of coordinating the work and efforts of all persons interested therein.

Helping Others:

The club participates in the NFMS stamp program, saving large commemoratives, airmail, pre-canceled, and foreign stamps of all values. Proceeds from stamp sales will be used to benefit any charity deemed worthy by the NFMS Endowment Fund.

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THE NORTHWEST NEWSLETTER is published 11 times a year. Copies are sent to each member's household. The cost is included in your annual dues.

Two free copies of the **AFMS NEWSLETTER** are mailed to each member club. Subscriptions are available at \$3.50 for 9 issues. Send payment to:
American Federation of Mineralogical Societies
PO Box 26523 Oklahoma City, Ok. 73126

We are affiliated with

- Northwest Federation of Mineralogical Societies
- American Federation of Mineralogical Societies

Newsletter Editors

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Visit Us At www.klamathrockclub.org Contact Webmaster Denise Sebastian nicee1214@gmail.com for anything relating to our website

Please e-mail mrslas@ccountry.neto join & get on our email list.

Reference to use of arrowheads within our club is limited to flint napping activities during workshops, annual shows and personal creations. No gathering of arrowheads on field trips is authorized or suggested by any club members.

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Hello fellow rock hounds and new hounds!

This is my first time to get a letter out. I hope you all had a good Christmas and New Year. This year is going to be an interesting year. Hopefully the weather will be very cooperative. I look forward to seeing everyone at the meeting. We have a rock show to get ready for.

Thanks, Doris



Happy Birthday



- Marolyn Davis
- Laura Limb
- Margaret Meyer
- Alex Piper
- Dale Robinson
- Kristin Sayles
- Dennis Sly
- Montie Stembridge
- Jennifer Watson

*If we've missed you it's because our master list lacks your info. Help us update it, thanks!
Please contact Leah Stump*

NEXT Regular Meeting

Monday Jan 13, 7pm

Treats by Marolyn & Ken Davis

Save the dates!

Spring show meetings– all 6pm @ the Museum

Jan 16 Jan 23 Feb 6 Feb 20 March 5

and Apr 16 Denise Hard, show chair

541-331-1378

nicee1214@gmail.com

**Big Spring Show! Pre set up & set up,
3/12 and 3/13/20. Show 3/14-15 2020**



At the November meeting Bob Wilson gave us a presentation on the tools and techniques he uses to sculpt his stone pieces. He calls it "Lapidary on the Cheap" as he uses tools & equipment primarily from Harbor Freight Tools here in town and on line.

Bob states: "There are 2 columns of prices. The 2nd column contains the bare essentials, while the first includes everything else. I neglected to include the stools [used while sawing to save your back!], which are available for \$70 & \$34. "

HFT PRICE LIST - 11/2019		
SAFETY		
Safety Goggles, 3 Pk		\$3.49
Nonwoven Dusk Masks, 50 Pk		\$5.99
Industrial Ear Muffs		\$3.99
Denim Apron		\$3.99
\$17.46		
CUTTING & CARVING		
Chicago 10-inch 2.5 HP Wet Tile Saw		\$299.99
[2-Year Warranty for Tile Saw]		\$65.99
Diamondback 10-inch 2.4 HP Wet Tile Saw	\$429.99	
Folding Tile Saw Stand with Wheels		\$57.99
Warrior 10-inch Diamond Blade		\$29.99
Diamondback 10-inch Diamond Blade	\$39.99	
Warrior Diamond Rotary Grinding Wheel Set 4 Pc	\$9.99	
\$453.96		
DETAILING		
Chicago Heavy Duty Rotary Tool Kit [Plug-in]		19.99
Drill Master Rotary Tool Kit, 80 Pc. [Plug-in]	\$9.99	
Chicago 9.6 Volt Cordless Rotary Tool Kit	\$29.99	
Chicago Flex Saft Rotary Tool Kit	\$49.99	
Diamond Rotary Cutting Disks, 5 Pk		\$6.99
\$26.98		
DRILLING		
Warrior Diamond Pt Rotary Bit Set, 20 Pc		\$7.99
Warrior Diamond Pt Rotary Bit Set, 4 Pc	\$4.99	
Warrior 50 Pc. Diamond Rotary Bit Set	\$19.99	
\$7.99		
POLISHING		
Chicago Corded 4-inch 5 Amp Angle Grinder		\$19.99
Warrior 4-inch Polishing Wheel Set, 5 Pc		\$14.99
Central Mach. Bench Grinder w/ Flex Shaft	\$37.99	
Chicago 3-inch Bench Grinding Wheel Set, 2 Pc	\$6.99	
Drill Master - 3/8 inch Variable Speed Reversible Drill	\$18.99	
Warrior 4-inch 400 Grit Abrasive Ball	\$9.99	
Drill Master - 1/4 Sheet Orbital Palm Sander	\$14.99	
Warrior 9x11 Wet/Dry Sanding Sheets Assorted 10 Pc	\$3.99	
Warrior 9x11 xxxx Grit Wet/Dry Sanding Sheets, 7 Pk	\$2.99	
Chicago Single Drum Rotary Rock Tumbler	\$47.99	
Chicago Dual Drum Rotary Rock Tumbler	\$57.99	
Thumbler's Tumbler Rock Polishing Abrasives, 4 Pc	\$13.99	
\$34.98		
\$ 541.37		
MICHAELS CRAFT STORE		
Aleene's Super Gel Brush-on Adhesive	\$4.99	

Minutes of NFMS Annual Meeting



From Judi Allison, NFMS Secretary

Judi advises that the Minutes reproduced below are minus any financial information. If anyone wishes to see a copy of the Treasurer's Report, Endowment Fund Report or Proposed Budget, a hard copy can be requested from her. Our member Kathi Milem is our NFMS director and her granddaughter Elyssa Carnes, a delegate. This is a very long document but has been abbreviated at Judi's suggestion by only including italicized info in the 18+ page original. We've not included it previously in our newsletter but it has been submitted by our outgoing president Laura Limb and I agree it's a good idea. The meeting was held 10/18/2019.

President, Ronna Watkins called the meeting to order at 4:15 pm. After the Pledge of Allegiance, Executive Officers were introduced.

First Vice President, Ken Zahn acknowledged the Past Presidents in attendance: Doug True (current AFMS President), Paul Heesacker, Judi Allison, Hidemi Kira, Jim Bosley, Keith Fackrell, Lauren Williams, And Lyle Vogelpohl. (Chuck Sonner was missed in the initial lineup, but was later acknowledged.)

Second Vice President, Beth Heesacker took charge of the introduction of attendees. The Secretary tallied sixty-four individuals. President, Ronna pointed out that Tony and Sandy Fender of the California Federation were in attendance.

Pastor Evan Day delivered an invocation asking for our proceedings to go well.

NFMS Declaration of a Quorum *Credentials Chairs, Del and Clara Walker announced the presence of 22 clubs with 33 delegates and directors. Every state in the Federation but Alaska was represented. Clara then read the names of those without credentials and moved for them to be accepted with voting rights. Paul Heesacker seconded and the motion was carried. With that addition, 29 clubs were represented by 42 delegates/directors.*

Club Induction *Lyle Vogelpohl informed the assembly that the Tualatin Club had applied for reinstatement in 2018 and a new club, Lewis County Rock Club had been formed. Lyle recommended with a motion that the clubs be accepted. Doug True seconded, and the motion was carried by a show of paddles.*

Chuck Sonner asked that the Lewis County Junior Club also be accepted. Lyle pointed out that there needed to be a separate application. He suggested that more research be done on the requirements and possible ramifications of forming a separate club. Chuck decided the matter should be put on hold.

President, Ronna asked for a second vote to cover the acceptance of the representatives of the two additional clubs. The matter was completed and they were accepted.

2020 Annual Show Proposal *Evan Day stated the proposal by the Golden Spike Club to host the 2020 NFMS Show had been approved by the Past Presidents Council and the Executive Committee. Jim Bosley, Chair of the Past Presidents Council, thanked the club and stated the proposal had been reviewed and negotiated for acceptance. He then made a motion to accept the proposal. Doug True seconded the motion. The Show will be April 10-12, 2020 in Ogden, Utah. Beth asked if the officers were going to be charged show admission. They are not. Ken commented that it will be a great show with three days, a beautiful venue. Evan added that the financial arrangements were the same as in 2015 and that the Golden Spike Club is looking forward to again hosting the Federation. The President then called for the vote which was unanimous. Evan jokingly commented, "Any opposer becomes an automatic volunteer."*

AFMS Endowment Fund Raffle *Judi informed the assembly that she had tickets for the AFMS Endowment Fund. The prizes will be given out at the AFMS Meeting in Knoxville, Tennessee in October of 2020, so members have plenty of time to buy tickets. Prizes are usually listed in the AFMS Newsletter and on the AFMS website, so keep an eye out for them. Tickets are available for \$5 each or 6 for \$20.*

Ronna presented Kat Koch with a sphere and the Everett Rock and Gem Club with a Mount Ida Quartz. Both were recipients of prizes from the 2019 Endowment Fund drawing in Cedar Rapids, Iowa. Congratulations to both!

Junior Achievement Presentations *Gayle Butler reported there were ten applicants this year: Jesslyn Ilg, Willamette; Jacob Haneberg, Marysville; Isaiah Fu, Cascade; Dustin Peterson, Clackamette; Clairah Moriorty Oregon Agate; Alex Danneman, Cascade; Zoe Ryan, West Seattle; Nadine Marshall, Lakeside; Brenna Baker, Yakima' and Micah Eastwood, Timpanogos. All ten received a certificate and five received a monetary award. Congratulations to all and keep up the great work!*

From Ken Zahn, 1st VP:

Ken added that he attended seventeen shows this last year. Each club did an impressive job. He was also impressed with the Junior programs. Ken urged the assembly to please encourage the clubs to further Junior participation.

The following spending proposals were received throughout the year and were presented for discussion at the NFMS mid-year meeting in Coeur d'Alene. (Highlighted text is the action taken by the committee on the various proposals.)

- a. A written proposal suggested we make an annual donation of up to \$1,000 per year to mindat.org. This is a non-profit organization "dedicated to the discovery, study and preservation of mineral species and their history, and to increasing public awareness and appreciation of the mineral kingdom through outreach and education". ***This proposal was rejected as it conflicted with the fund spending policy that specifies the federation cannot make donations to organizations outside the federation to cover operating expenses.***
- b. There was a verbal proposal from a club to use endowment fund monies to purchase lapidary equipment for their shop that their junior members could use. ***This proposal was rejected because it would benefit only the local club and have limited benefit to the federation as a whole. It also might have opened up the flood gates for others similar requests that could not be afforded over time.***
- c. Another verbal request with no written follow-up or cost estimate was to pay the cost of filing and maintaining mining claims filed to protect digging areas. ***Rejected because of lack of details and the fact it could become a permanent obligation that would benefit only the clubs filing the claims.***
- d. From Hidemi Kira. Proposal to develop a traveling exhibit that could be shared between clubs and used at local shows and events. The exhibit would promote the lapidary hobby as well as the NFMS and local clubs. ***The committee felt this was a good idea and would benefit the federation membership if it didn't cost too much. Before funding we will need a better cost estimate and an individual or group to take a lead to develop and manage the exhibit.***
- e. From the Endowment Fund Committee. Make the \$1.00 credit to individual membership dues that has been in place the past two years a permanent for the next 5 years. Based on current federation membership this would cost about \$6500 per year. ***There are pros and cons to this proposal. The biggest con is that it will limit the funds available for other proposed projects or programs that would benefit the membership of the federation more because it is a permanent obligation for the next five years. The main pro is that it would benefit every member of the Federation. This will require a vote as it is a modification to the NFMS operating procedures and will be presented to the membership at the annual meeting in October in Lewiston.***
- f. From the Endowment Fund Committee. Use Endowment Fund proceeds to pay the expenses of outside speakers or special exhibits at the annual federation shows. Details would be worked out with the hosting club and included in the hosting agreement. Costs would vary each year but could be capped at a fixed amount, say \$3500 per show. ***This was discussed and received positively at the mid-year meeting. Funds will be used to cover Daryl Powell's travel expenses to be a speaker at the 2019 annual meeting in Lewiston***
- g. From the Endowment Fund Committee. Purchase material from Diamond Dan Publications for use as handouts at local or federation shows. This might include items such as placemats, rock posters etc. The federation would make one large purchase for the year and distribute to member societies of the federation. Set aside say \$5000 per year for this. ***This was discussed and received positively at the mid-year meeting, but any action has been deferred pending additional discussion and getting a better handle on costs and who would take the lead on such a program.***

- h. From the Endowment Fund Committee as a result of discussions with the Hells Canyon Club who is hosting the next NFMS annual meeting. They suggested using Endowment Fund proceeds to offset some of the costs that run over and above what a club would normally spend for their show. i.e. larger venue, more publicity, outside speakers, etc. Note this is an expansion of item f. above. ***The Hells Canyon club submitted a cost itemization totaling approximately \$3250. This was discussed at the mid-year meeting and agreement was made by the committee to fund this request.***
- i. From the Endowment Fund Committee. This proposal was to work with the Rice Museum or other regional museums that have major rock and lapidary exhibits whereby the museum would be reimbursed for granting free or reduced admission for NFMS members to the facility. The federation would reimburse the museum for the lost revenue. ***This would require that members of federation be issued annual membership identification cards and that the museum would have to keep records of how many reduced or free admissions they processed. Action on this proposal was deferred until the committee found out if there was any interest on the part of the Rice Museum.***
- j. From the Endowment Fund Committee. Same as Item i. above but would apply to admission fees for NFMS members attending the shows and activities associated with the annual meeting. ***The same requirements as mentioned above would apply. When presented at the mid-year meeting there was limited support for this idea.***

Northwest Rockhound Retreat - Lamar Tilgner

Lamar grew this retreat from its infancy and has served as Chairman for 15 years.

Lamar and Merlia were presented with a plaque of appreciation for fifteen years of service as the Chair of the Retreat. Lamar said thanks to all who have gone, and do go if you haven't. Walt Butler will continue as chair. Lamar said that President, Ronna had come to visit this year, and that was the one time an officer had come. Walt added there were 47 campers this year and that OMSI made 703 meals. There are lots of classes and evening programs, so consider next year.

Past Presidents' Council – Jim Bosley

The Past Presidents Committee has reviewed the Golden Spike Gem and Mineral Society's Proposal for the 2020 NFMS Show and found it to be acceptable. We will present the 2020 show proposal to the Board at the annual meeting in Lewiston, Idaho

Jim stated it is in the packet. He added that we need more clubs to volunteer. There is an online guidebook to help you understand the process. It is not onerous. The Secretary can send information on what other clubs have done to create a bid. The Federation will help you be successful.

Public Lands Advisory – Open

Ronna asked for volunteer to keep an ear to the ground about things that will affect rocks. There was a statement from the assembly that there is no feedback from the federation or the AFMS. Ronna explained that ALAA handles lobbying. It is a private group with annual dues of \$50 for clubs and \$25 for individuals. Doug explained that the AFMS is not one that gives information. He commented that many in the East have little interest in the public lands as Banket Jones property has become what is Federal land east of the Mississippi. He talked about hearsay not always being correct. A club may hear bad news about a closure. Sometimes it is not true. He stated what's important with the government, in order to be noticed, is numbers.

Ken suggested several options for every club to know what goes on in each area. There is a major guide. There are two types of plans: Forest Plan and Travel Plan. Meetings must be advertised and must be published and announced in papers of local interest in the legal section. Plans are usually proposed to be in place for about a ten-year period. Members should participate in the meetings. Very few are attending. Most of those who attend want wilderness.

Information at the local level is listed in the local office that manages the Forest Service or BLM. Bill Clark shared that Washington State Mineral Society shares Washington information. He had recently attended a meeting and agreed that one has to be active and advocate for rockhounds and the like. Ask rockhounds to reach out and write their own letter. Ronna recommended for Linda Barlow to become a RAC.

Ken stated the ALAA newsletter is on line. Doug added that we need to work from all perspectives. Walt Butler added that he gets weekly emails from Lenore Smith and reads all the information she sends.

Ken stated the ALAA newsletter is on line. Doug added that we need to work from all perspectives. Walt Butler added that he gets weekly emails from Lenore Smith and reads all the information she sends.

Beth explained that ALAA is a lobbying group, but the NFMS, as a 501(c)(3), can't lobby. When she served as editor she put information in the newsletter from ALAA if it was not political.

*During the discussion and exchange **Susie Koppert** from the MT Hood Club volunteered to serve as **PLAC Chair**. It was suggested she read page 26 of the Directory right away, as the duties are listed there. Thanks so much, Susie for volunteering to fill this important position.*

Resolutions – Audrey Vogelwohl

Audrey reminded the assembly that bylaw changes require a ninety day notice. There are two items to vote on, which we will do in further business. Ronna added her thanks to Audrey for reviewing the resolutions and offering input and corrections.

Rockhound of the Year –Laurie Ellis

Hello Rockhounds! We had several transitions over the last year. Apologies for any inconvenience. We are sorted out and looking forward to seeing more nominations, and hearing how these rockhounds have contributed to your club. I have set up an email dedicated to Rockhound Of The Year nominations. This email is nfmsroy@gmail.com It's not too soon to plan your next nomination. Feel free to send questions or comments. Thank you, Laurie Ellis

Laurie reiterated about the dedicated email (shown above) as she gets a lot of junk mail and this will help her be sure to see your submissions.

Scholarship – Mary Lou Northrup

Our Northwest Scholarship Committee has been a little slow again this year. Early in the year Hells Canyon Gem Club donated \$100 and Yakima Rock and Gem gave a \$20 memorial scholarship gift. Just lately a \$25 memorial gift for Norma Long was given by Jerry and Mary Lou Northrup from Hells Canyon Gem Club/ Remember, please, if your club is looking for a place for a donation this is a very worthwhile place to help students further their education. Even a small donation is welcome and appreciated.

Audrey added a story about a past scholarship awardee. In 2014 she and Lyle selected two continuing students. Kevin DeLong attended the Central Washington University. A question that Audrey and Lyle asked in 2014 was, "What will you be doing in 2019?" Kevin's description of a moon mission as a geologist on a crater painted a vivid picture. He has since communicated with them and is pursuing watershed science and policy in Sacramento. He still wants to be an astronaut someday. Audrey suggested that he should apply for Mars. Thank you for sharing, Audrey.

Show Coordination - Pat Lambert

When I receive information from your club about your upcoming show/events, I forward the information to several websites, magazines, and calendars. Magazines send print editions to press several months prior to us seeing the magazine. In order to meet their press deadlines, I need to send your information to them, at least, four months prior to their deadlines.

Some of the magazines like a short description of events happening at your show. Please include a sentence or two (or more) about what events are featured at your show or attach a copy of your show flyer, if it lists events, to the email/snail mail you send me.

Check page two of the NFMS newsletter under show coordination to see the other information I need.

If anyone has a suggestion about other locations that we could use to publicize our shows, please let me know.

Who visits the Federation website? It's <http://northwestfederation.org> and the minutes reported that the top 10 states visiting the website 2018-19 were: WA 1,168 hits OR 955; IL 412; ID 246; CA 213; MT 173; UT 122; VA 79; TX 54; CO 43

ALAA = American Lands Access Assn

ALAA – Hidemi Kira

Hidemi is now serving as Vice President of ALAA. If your club or you are a member and you are not getting the newsletter, check on it. The government will close areas if it assumes they are not being used, so we need to be more vocal. Doug added that there will be an ALAA meeting at Quartzite on January 18, 2020 at 6:00 pm. There will be speakers. On Sunday, as previously, there will be a land cleanup. We have partnered with BLM in this endeavor. Lauren urged members to be an individual joiner. Ronna is the current membership chair for ALAA. The Oregon Council is working on cleanup at Hampton Butte. The subject of partnering with others for visibility and cooperation rounded out the discussion.

ADDITIONAL BUSINESS. . .

Adoption of OP's (corrections/additions) Rules & Awards Committee ADDENDUM V

Lauren, speaking for the Rules and Awards Committee stated that they had done a "meatball surgery" on the operating procedures. Jim Bosley moved to accept the changes as written in Addendum V. Doug True seconded. Two questions ensued. Walt Butler pointed out a spelling error, which will be corrected. Beth Heesacker asked about the viability of a club creating its own display applications as in the case of the Hells Canyon Club. It was deemed to be okay. With those questions answered, a vote was called. Motion passed with a show of paddles.

Adoption of Circulation Proposal West Seattle Club ADDENDUM VI

Audrey Vogelpohl presented the proposal in the form of a motion from the West Seattle Club. Paul Heesacker seconded the motion. Jim Bosley asked about the fact that nothing was written about receipt of the newsletter through email. Beth explained that the receipt of online Newsletters were not handled by Circulation. If a club is interested, the webmaster sends a notice of the newsletter being on the website to a designated contact. That person in turn passes the information on to their club members. Ken pointed out that the proposal does not change or add any duties of the Circulation Chair, it simply creates a position and Bylaw entry for what is already being done. Beth then said that she polled her members about the online newsletter and only two in the club were actually reading it. Due to the poor response of the members reading the on-line version, she returned the club to the hard copy. Lyle reminded members that copies go to each household as part of their Clubs' dues payment. The motion was then brought to the floor for a vote and was approved by the assembly of directors.

2019 NFMS Show - Randy Squire

Although Randy was the chair of the show, he was busy, so Jerry Northrup reluctantly addressed the membership. He stated the show is going on fine. They are making a profit. People are helping out. He thanked folks for the donations to the silent auction.

We're including these membership reports which can serve as a good reference to the names of Federation clubs that could prove useful when traveling or possibly coordinating a joint field trip. As a club, we need new places to go and to meet new people in order to keep the club alive now and in the future. ed

NFMS MEMBERSHIP REPORT 2018-2019

Report Date 08/31/19		2018	2019	2019	2019	NET
		ADULTS	JRS	ADULTS	JRS	CHANGE
ALASKA						
Chugach Gem & Mineral Society	1	90	1	58	0	-32
TOTAL ALASKA		90	0	58	0	-32
Total Alaska Clubs		1		1		0
IDAHO						
Eureka Rock & Gem Club	1	16	1 1	14	1	-2
Gold Hill Diggers Rock Club	1	16	5 1	14	5	-2
Hells Canyon Gem Club	1	96	21 1	95	22	0
Idaho Falls Gem & Mineral Society	1	177	0 1	152	0	-25
Idaho Gem Club	1	334	47 1	204	28	-149
Magic Valley Gem Club	1	63	6 1	60	6	-3
North Idaho Mineral Club	1	51	7 1	53	13	8
Owyhee Gem & Mineral Society	1	233	5 1	184	10	-44
Southeast Idaho Gem & Mineral Society	1	52	20 1	59	4	-9
Thursday Night Pastry Tasters & Flint Knappers	1	8	4 1	12	5	5
TOTAL IDAHO		1046	116	847	94	-221
Total Idaho Clubs		10		10		0
MONTANA						
Billings Gem & Mineral Club	1	98	2 1	110	1	11
Bitterroot Gem & Mineral Society	1	141	13 1	113	13	-28
Bozeman Gem & Mineral Society	1	228	51 1	190	40	-49
Butte Mineral & Gem Club	1	99	0 1	91	6	-2
Hellgate Mineral Society	1	79	12 1	91	20	20
Kalispell Rock Hound Club	1	16	0 1	14	0	-2
Northwest Montana Rock Chucks	1	55	10 1	66	11	12
TOTAL MONTANA		716	88	675	91	-38
Total Montana Clubs		7		7		0
OREGON						
Central Oregon Rock Collectors	1	97	2 1	140	4	45
Clackamette Mineral & Gem Corporation	1	152	15 1	154	23	10
Columbia Gorge Rockhounds	1	16	0 1	16	0	0
Columbia-Willamette Faceters Guild	1	171	0 1	162	0	-9
Far West Lapidary & Gen Society	1	136	4 1	109	5	-26
Hatrockhound Gem & Mineral Society	1	62	10 1	58	9	-5
Lower Umpqua Gem & Lapidary Society	1	35	0 1	52	0	17
Malheur County Rock & Gem Club	1	16	1 1	16	1	0
Mount Hood Rock Club	1	319	30 1	218	28	-103
Oregon Agate & Mineral Society	1	114	16 1	123	33	26
Oregon Coast Agate Club	1	18	0 1	19	0	1
Oregon Trail Gem & Mineral Society	1	29	4 1	21	0	-12
Prineville Rockhound Pow-Wow Assoc.	1	150	0 1	166	2	18
Rock & Arrowhead Club	1	112	12 1	73	4	-47
Springfield Rock Club	1	49	3 1	57	1	6
Sweet Home Rock & Mineral Society	1	115	0 1	91	17	-7
Trails End Gem & Mineral Club	1	20	4 1	23	6	5
Tualatin Valley Gem Club	1	84	13 1	90	13	6
Umpqua Gem & Mineral Club	1	178	38 1	194	45	25
Willamette Agate & Mineral Society	1	151	12 1	218	21	76
TOTAL OREGON		2024	162 20	2000	212	26
Total Oregon Clubs		20		20		0

Report Date 08/31/19		2018	2019		2019	2019	NET
		ADULTS	JRS		ADULTS	JRS	CHANGE
NFMS CLUB AT LARGE							
NFMS Club At Large	1	38	3	1	35	3	-3
TOTAL NFMS CLUB AT LARGE		38	3	1	35	3	-3
Total NFMS Club at Large		1			1		0
UTAH							
Golden Spike Gem & Mineral Society	1	161	0	1	144	1	-16
Timpanogos Gem & Mineral Society	1	192	76	1	259	107	98
TOTAL UTAH		353	76	2	403	108	82
Total Utah Clubs		2			2		0
WASHINGTON							
Bellevue Rock Club	1	69	0	1	55	0	-14
Cascade Mineralogical Society	1	41	1	1	64	4	26
Clallam County Gem & Mineral Association	1	100	1	1	118	0	17
Darrington Rock & Gem Club	1	12	1	1	20	0	7
East Kingco Rock Club	1	56	8	1	46	12	-6
Everett Rock & Gem Club	1	156	18	1	161	24	11
Grays Harbor Geology & Gem Society	1	43	4	1	49	2	4
Lakeside Gem & Mineral Club	1	211	0	1	206	0	-5
Lakeside Junior Rock Club	1	0	20	1	0	42	22
Lewis County Rock & Gem Society -- New Club	0	0	0	1	81	0	81
Maplewood Rock & Gem Club	1	118	13	1	128	17	14
Marcus Whitman Gem & Mineral Society	1	137	25	1	130	24	-8
Marysville Rock & Gem Club	1	119	30	1	112	28	-9
Mount Baker Rock & Gem Club	1	53	0	1	58	2	7
North Puget Sound Faceters Guild	1	33	0	1	33	0	0
Panorama Gem & Mineral Club	1	94	0	1	84	0	-10
Puyallup Valley Gem & Mineral Club	1	231	42	1	303	59	89
Rock Rollers Club Inc.	1	64	8	1	48	0	-24
Rock Wolves	1	22	0	1	22	0	0
Rocky Trails Junior Rockhound Club	1	0	36	1	1	26	-9
Seattle Faceting Club	1	11	0	1	12	0	1
Skagit Rock & Gem Club	1	41	0	1	46	2	7
Southern Washington Mineralogical Society	1	139	5	1	83	7	-54
Washington Agate & Mineral Society	1	34	3	1	47	5	15
West Seattle Rock Club	1	54	10	1	45	10	-9
Whidbey Island Gem Club	1	69	0	1	86	0	17
Yakima Rock & Mineral Club	1	73	29	1	72	33	3
TOTAL WASHINGTON		1980	254	27	2110	297	173
Total Washington Clubs		26			27	0	1
TOTAL NFMS MEMBERSHIP		6247	699		6128	805	-13
TOTAL NFMS CLUBS		67			68		



2020 RAC Meetings Treat List	
January	Marolyn & Ken Davis
February	Leah Stump Cheryl Lee
March	Peggy Bieler
April	Chris & Sam Chance 541-882-7125
May	Marshall Curran
June	Robert & Linda Stroope
July	Ashley Mora
August	Kurt & Toni Phillips
September	Tom & Cheryl Endicott Jerry Anderson
October	Cindy Sheridan
November	Kathi Milem
December	Christmas Potluck—no meeting

MINI MINERS MONTHLY

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Mineral of the Month Hematite

Rust. That's what hematite is...rust. When iron combines with oxygen it forms rust. Scientists say that the iron has *oxidized*. Think of hematite as nature's rust. When large amounts of iron combine with oxygen, huge deposits of hematite form.

Hematite is one of the most important iron ores in the world. Another one is magnetite. The hematite is heated to very, very, very high temperatures, some fluorite is mixed in to make the iron flow, and the iron is removed from the ore and flows out as liquid iron.

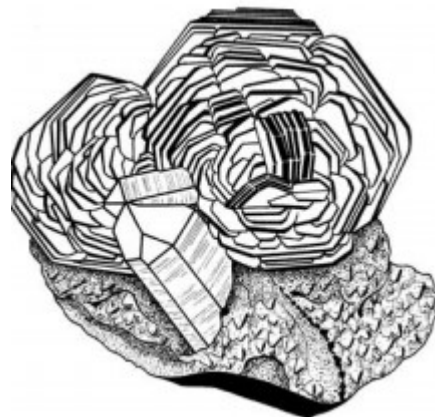
Hematite can be a number of different colors. It is usually deep red. It can also be black. "Specular iron" is metallic silver. It has a special physical property that can always be used to easily identify this mineral: its *streak*. Streak is the color of a mineral when it is crushed into powder. It is created when a piece of a mineral is scratched across a piece of unglazed porcelain (like the back side of a bathroom tile). When hematite is crushed, its streak is always dark blood red. Specular hematite has a dark blood red streak. So does black. And so does red hematite. This is a quick and easy way to

identify hematite.

The name *hematite* comes from the Greek word *hematites* which means *blood*. This was created because of its blood red streak.

Hematite is most often found as masses. One of the most famous deposits of hematite is in Cumberland, England. The hematite formed in rounded, deep red masses that look very much like a kidney! The miners called this form of hematite "Kidney Ore."

It can also form very nice crystals, however. It crystallizes in the hexagonal crystal system. It is one of the minerals whose crystals can grow together in the form that looks like a flower. Mineral collectors call these "Hematite Roses." Mineralogists call them *hematite rosettes*.



Mystery Mineral: Malachite

From MINI MINERS MONTHLY

Red Mineral Word Search

So, which minerals are red? In this word search you can discover the answer. They made be different shades of red, and some are pink (you can make pink paint by mixing red and white), but red is one of the colors of the season. The words can go left to right, right to left, top to bottom, bottom to top, or diagonally in any direction (those are the toughest ones to find).

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

Garnet Atacamite Jadeite Beryl Emerald Tourmaline Diopside Feldspar
 Amazonite Fluorite Peridot Olivine Malachite Apatite Epidote Heliotrope
 Chrysoprase Chalcedony



The image to the left is SOAP! Great gift for a mineral lover! Available on Amazon by Big T Ranch, titled Ruby Red Gemstone Geode Crystal Rock Soap Handmade in the Colorado studio of Big T Ranch

Some Christmas Potluck pics. Great food and robber bingo was fun, as always. Thanks to Robert, Sam & Chris for the decorations; Marshall & Robert for the game and especially to those who filled in the gaps in the potluck list with lots & lots of extra cooking.



Editor's Corner

What is better than a new year and a new start?

Take up a new hobby, regroup as a club, and learn anything to keep your mind clicking. Get together make plans even if you don't plan to keep them. What the weather brings to us just makes us lucky we are not where our friends & family may be, in storms of all kinds and pretty happy to be in Klamath Falls.

Here is a favorite homemade soup, fast and tasty.

Vegetable Beef Soup

1 or 2 pounds of hamburger—crumbled, cooked, drained

1 medium onion chopped

2 tablespoons of beef bouillon powder

2 medium potatoes chopped into 1 inch pieces

1 bag frozen mixed vegetables

1 can of chopped tomatoes

2C water—more later if your taste is for a thinner soup

Bring to a boil and reduced heat, finish cooking, season with salt and pepper, a teaspoon of Italian season if needed.

Good on a cold snowy day and reheated the next day even better!

Chris Chance, co-editor

email chancechristine66@gmail.com

Chris left out the loaf of good sourdough bread to the above recipe!

Winter is usually a busy time for many Club members as we prepare for the big March show, both from the standpoint of presenting it to all of those who create their crafts to sell. The show is our big opportunity to bring in some new members, especially kids. It has been suggested that the Club have one activity for kids in addition to the games & painting at the show and the Yadenite outing. This is something I will formally bring up as new business in a couple of months when the show is over with. In the meantime, think of some ideas, like an open house night with refreshments and a simple kid-friendly activity or two.

*We still need a new webmaster, too. Are you reasonably tech savvy or willing to learn? I know she'd be very grateful to instruct you.

Linda Stroope, co-editor email stroopemail@gmail.com