

Return Bulletins to:  
Dusty Rocks  
P.O. Box 1803  
Klamath Falls OR 97601

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# DUSTY ROCKS

Rock and Arrowhead Club ~ Klamath Falls Oregon



## OFFICERS & EXECUTIVE BOARD

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**NFMS Director:** Kathi Milem  
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**NFMS Delegate:** Alyssa Carnes

**Member @ Large:** Leah Stump

[www.klamathrockclub.org](http://www.klamathrockclub.org)  
Webmaster Denise Sebastian,  
nicee1214@gmail.com Send your items for  
sale, photos, adventures, etc

### 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.....Garwin Carlson  
Asst Show Chair.....  
Safety Officer.....Laura Limb  
Publisher/ Webmaster...Denise Sebastian

**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 2<sup>nd</sup> 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

Chris Chance 541-891-3608  
& Linda Stroope 503-393-5025

**Visit Us At [www.klamathrockclub.org](http://www.klamathrockclub.org) Contact Webmaster Denise Sebastian nicee1214@gmail.com for anything relating to our website Please e-mail [mrsllas@ccountry.net](mailto:mrsllas@ccountry.net) to 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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**From the President...**

Fellow Rock Hounds,

Where has the summer gone? I for one have tried to take advantage of every opportunity to collect rocks this summer. I hope that all of you are making the best of every day. This is the perfect opportunity to grab a grandchild or neighbor and introduce them to the world of rock hounding. Share your knowledge and further our passion.

Remember to collect a couple of big ones for our silent auction in March.

Rock on,

Your President  
Laura Limb



**Happy Birthday**



Archie Cummings  
Cheri Soileau Kent  
Roy Nederbrock  
Gene Newnham  
Diana Robinson  
Ray Ruddall  
Robert Stroope  
Bruce Vait

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

**NEXT MEETING:**

**Monday August 12, 7pm**

**Treats by Brian & Clarissa Wade for a  
Second time...thanks you for your generosity**

**Save the dates!**

**Saturday Dec 14 RAC Christmas Party 3-6 pm**

**See Field Trips—dates & tentative dates, an  
idea for something new, Page 13**



Rock and Arrowhead Club  
Klamath County Museum  
General Meeting Minutes of July 8, 2019



The meeting was called to order by Vice President, Denise Hard, at 7:00 pm, followed by salute to the flag.

Birthday greetings to all born in the month of July.

32 Members in attendance - Three door prizes were drawn.

Welcome to guests – Richard Hartes and Marshall

Program - Tumblers 101 - presented by Marshall and Garwin

Review of the June minutes -Not reviewed.

Treasurers Report – Robert Stroope gave the update on the RAC account.

Northwestern Federation (NWF) Report - Kathi Milem –report not requested.

Sunshine Report - Chris Chance – Chris is recovering from shoulder surgery - No other illnesses reported.

Webmaster Report - Denise Hard - Blue Host is broken and a fix is pending..

Newsletter - Linda Stroope and Chris Chance - Please submit pictures and articles for your rock hound trips

Club member field trips –

Michael Peterson will be traveling to Montana for a dino dig; Don Perryman visited Peterson Mountain, NV, for quartz; Tom & Cheryl Endicott attended Sisters Show traded; with a couple from Utah for some variquoise.

Club Field Trips: A volunteer is still needed to manage the club field trips:

Sunstone trip went well

Yadenite trip had an attendance of 80+. Chris Chance and Linda Stoope provided jean bags, cookies and water, which were greatly appreciated.

July 19-21 Lassen Creek/Davis Creek, CA – obsidian - Don Perryman & Denise Hard will lead; Denise will set out the signs. There will be a potluck Saturday night.

Aug 9-11 Virgin Valley - Lacey Jarrell to lead this trip for opals.. Meet Friday around noon; No potluck Saturday. Bring plenty of water and your own shade

Old Business –

New Business:

Membership application - approval to print 100 copies - Don Perryman moved and Robert Stroope 2nd the motion to have 200 copies printed - motion passed.

Changes to due date of annual membership dues were discussed - It was moved by Ed Haas and 2nd by

Robert Stroope to change the membership year to March - February starting with the year 2020. Motion passed

The need for a new laptop was discussed to be used for overhead presentation of programs and record keeping. Doris Newnham moved and Bob Wilson 2nd the motion to purchase a laptop for \$300 to \$500. Motion passed.

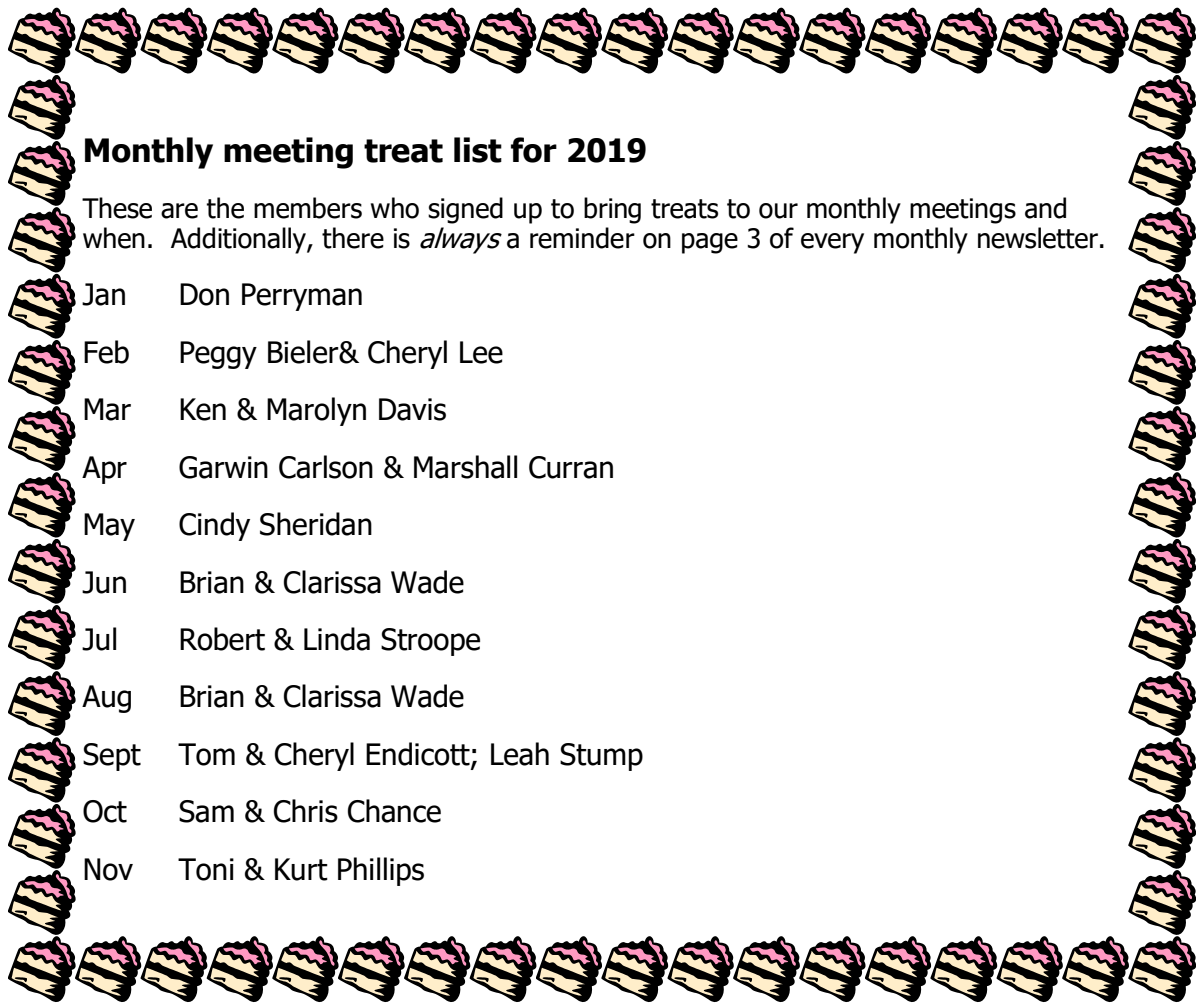
Next meeting: August 12, 2018 - 7:00 pm at the Klamath County Museum

Meeting Adjourned at 8:00 pm Respectfully submitted by: Cheryl Lee, Recorder

## RAC book inventory 7-10-19

These books are stored in the store room adjacent to our meeting room at the Klamath Co Museum, along with several dozen old, but useful magazines. Soon we'll be placing a check out card in each one & ask that you give it to Chris Chance or Linda Stroope, just so we can keep track of who-has-what. If YOU have ANY travel—rock— reference books you'd like to donate, please do! The Club would love to have them. I know we have a few. Thanks to Chris' granddaughter Mandy for making up this inventory.

The Audubon Society Field Guide to N American Rocks & Minerals Chas. W Chesterman	Alfred A Knopf publisher
A Textbook of Minerology E Salisbury, Dana & Wm E Ford	Wiley & Sons
Diamonds...Famous, Notable and Unique Lawrence L Copeland	Gemological Institute of America
Where to find....Gold & Gems in Nevada James Klein	Gems Guides Book Co
Quartz Family Minerals H C Dake, Frank L Fleener, Ben H Wilson	Whittlesey House
Metalcraft & Jewelry Emil F Kronquist	Chas A Bennett Co, Inc
Cabochons Jewelry Making Arthur & Lucille Sanger	Chas A Bennett Co, Inc
Leadville: A Miners Epic Stephen M Voynick	Mountain Press
Dictionary of Gems & Gemology Robert M Shipley	Gemological Institute of America
Gem Cutting J Daniel Williams	Chas A Bennett Co, Inc
The Art of Gem Cutting Dr H C Dake	Mineralogist
Gem Trail Journal Darold J Henry	Lowell R Gordon
The Mineralogist Dr H C Dake	Don Maclachlan
Greigers Encyclopedia of Rockhounding John M Grieger	Griegers, Inc



### Monthly meeting treat list for 2019

These are the members who signed up to bring treats to our monthly meetings and when. Additionally, there is *always* a reminder on page 3 of every monthly newsletter.

- Jan Don Perryman
- Feb Peggy Bieler & Cheryl Lee
- Mar Ken & Marolyn Davis
- Apr Garwin Carlson & Marshall Curran
- May Cindy Sheridan
- Jun Brian & Clarissa Wade
- Jul Robert & Linda Stroope
- Aug Brian & Clarissa Wade
- Sept Tom & Cheryl Endicott; Leah Stump
- Oct Sam & Chris Chance
- Nov Toni & Kurt Phillips

### A few more names for rocks....

- 10 Buddyrite – rocks your buddy won't carry for you
- 9 Parkerite – the car is parked too far away
- 8 Wetnbright – looks nice when wet, but ugly when dry
- 7 Buckerite – just won't fit in the bucket
- 6 Goterite – got too much of the stuff already
- 5 Yardenite – stuff that looks better in someone else's yard
- 4 Whasisitite – no one knows what it is, and no one cares
- 3 Groanerite – my back will hurt for a week if I pick it up
- 2 Sorryrite – worthless rocks that you are sorry you brought home
- 1 Wishnite – rocks you left, but wish you had later



## Rockhounding is for Everyone

*An article inspired by a 1959 text by Elsie Lee*

How many rockhounds are there? We cannot assume because our club is primarily made up of older members that the hobby is waning in popularity among young people. Upon cruising their websites, it appears that many of the larger clubs have very active junior members and it is a FACT that RVing has become a very diverse activity in terms of age (millennials are getting into it) as well as families of varying backgrounds, ethnicities and folks all across the financial spectrum. Google “rock hound” and see 15 *million* results! Let’s face it, you can rock hound from a single vehicle with tent and a minimum of equipment, building your own collection for ‘free’ or from a \$150,000 motorhome and collect by purchasing. It is a hobby that enjoys millions of participants. Rocks *can be* as inexpensive....or costly to collect as you choose to make it.

Field trips are always rewarding, because you may meet new people or get to know those you’ve only seen at club meetings. Fellow rock hounds should not be greedy or secretive about a potentially good collection site. He may have arrived there long before you but shouldn’t mind if you join in—a slogan for experienced or newbies should be “there’s always enough for everyone!” You know...”do unto others...” Lots of people start in their own neighborhoods or as a side light to camping trips or other outings. Time constraints may well see them collecting by purchasing. But after awhile, it becomes addictive and they want to go in search of their *own* treasures. We are so fortunate here in the Pacific NW....to be close enough for day trips to desert or beach. Even the casual collector can acquire specimens to trade with people in other parts of the country. Don’t go on a driving vacation without taking some sunstones, geodes, polka dot agate & the like. You can trade for things we can’t obtain here.

Sadly, the US Dept of Mines was abolished in 1996. It had been a free source for identifying rocks/minerals & you could take or mail to the nearest office. Now, the best way to ID that find is to connect with experienced people in a local club or the nearest school where geology is taught. Be prepared: where exactly did you find the specimen (often a key for identification) and know whom specifically to contact—call ahead. Respect their time. Museums with volunteers in attendance are great sources, as well: Crater Rock Museum, Central Point. OIT and KCC occasionally offer geology classes.

At one time, rock shops were found all over the US. Most of those pioneers have passed on but those that remain are excellent sources for where to hunt in their area, as is the local BLM office who staffs at least a part time geologist. Smart phones and the Internet has largely replaced the roadside rock shop, but they can still be found. Try to patronize them, not just ask for free information. Thanks to the Internet, these business people have a world wide market, not just who happens to drive by and a fighting chance at surviving.

The best thing about being a rock hound? You can have a prized collection representing years of self-education and hard work and be proud of what you’ve done, or.....simply enjoy a mixed up collection of pretty or interesting pieces without trying to be an ‘expert’. “Everyone loves shiny rocks”.

# August Word Puzzle **Camping Out!**



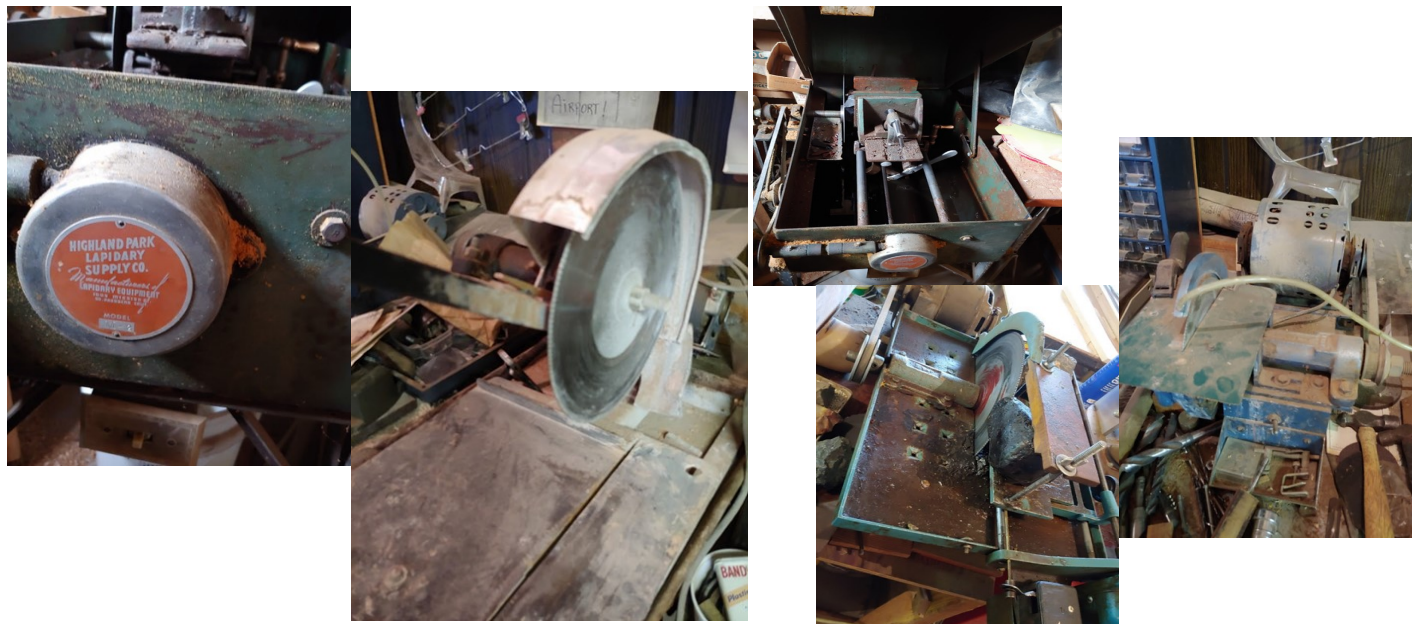
- |            |               |              |              |
|------------|---------------|--------------|--------------|
| BACKPACK   | FIRST AID KIT | MARSHMALLOWS | RACCOONS     |
| BEARS      | FOLK SONGS    | MOUNTAINS    | RIVERBANK    |
| BUG SPRAY  | FOREST        | NATURE       | SLEEPING BAG |
| CAMP STOVE | GHOST STORIES | PICNIC TABLE | STARRY SKY   |
| CAMPFIRE   | LAKE SHORE    | PUP TENT     | TRAILHEAD    |



## THE GRINDER

Mike Clark is selling some equipment—see pics below. His phone # is 541-205-4432 and he says the items are available for viewing most any time. He also donated some old magazines and books to the club—thanks, Mike! They are in the store room adjacent to our meeting room and are there for the borrowing.

### Rock Saw and Polishing equipment for sale



Marshall Curran & Garwin Carlson gave us a great presentation about tumbling at the last RAC meeting. As someone who's not yet gotten into tumbling, I wanted to mention the two most important things I personally got out of their talk: 1) clean, clean, CLEAN your barrels between each cycle 2) only tumble things of similar hardness

I learned about the Moh's scale of hardness years ago in school, but thought visual reminder might be worth repeating here. Friedrich Mohs created this scale in 1812 but the first mention of observing hardness by scratching minerals against one another was by Theophrastus in his treatise *On Stones* in 300 BC. Yes, 300 BC.











An illustrated table follows on the next page. Note the column "absolute hardness"....this means, for example calcite is 14 times harder than gypsum.



Rotating type tumbler  
From Harbor Freight



Vibratory type tumbler  
from the Rock Shed

Mohs hardness ↕	Mineral ↕	Chemical formula ↕	Absolute hardness <sup>[11]</sup> ↕	Image
1	Talc	$Mg_3Si_4O_{10}(OH)_2$	1	
2	Gypsum	$CaSO_4 \cdot 2H_2O$	2	
3	Calcite	$CaCO_3$	14	
4	Fluorite	$CaF_2$	21	
5	Apatite	$Ca_5(PO_4)_3(OH^-, Cl^-, F^-)$	48	
6	Orthoclase feldspar	$KAlSi_3O_8$	72	
7	Quartz	$SiO_2$	100	
8	Topaz	$Al_2SiO_4(OH^-, F^-)_2$	200	
9	Corundum	$Al_2O_3$	400	
10	Diamond	C	1500	

**ALSO FOR SALE:**

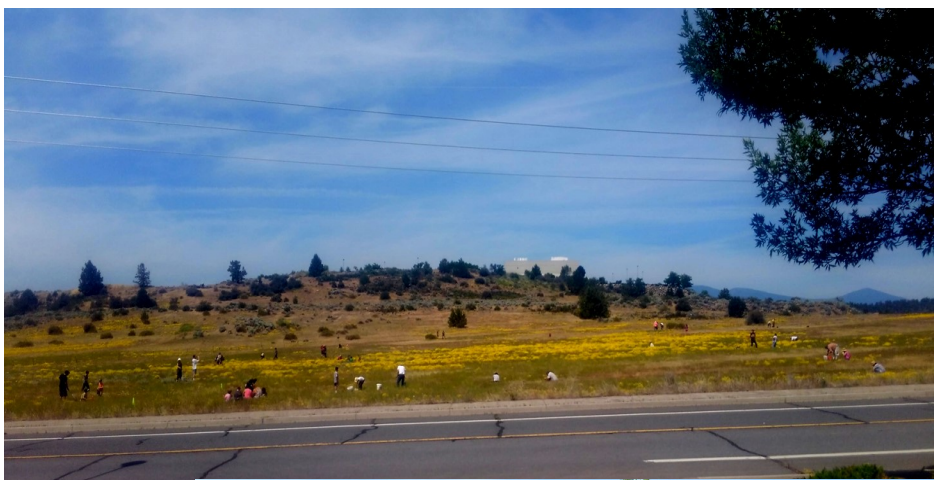
**Pacific Genie - used grinding wheel**

**For information: Judy Smith 541-810-1134**

**3851 Grenada Way, KF**



Yadenite day with the Klamath Co Museum was once again a re-sounding success! We counted 81 adults and kids and since the field is not in good condition, David Stark and Chris Chance donated some rocks to "salt" an area for the littlest ones. Thanks Ed Haas for the wide screen photos and Chris & Linda for the cookies for the kids. Also collection bags from Chris.





Finally, a real “rock hound” for the day



**FIELD TRIPS 2019**

Some dates are settled, others tentative, as are locations, themselves.

SO FAR: \* Memorial Day weekend was postponed for bad weather Reschedule?

\* *June 21,22,23 SUNSTONES at the claim 'near' Plush How was it?*

\* *July 6 Yadenite here in town. 9am, ICOR parking lot as in the past*

\* July 19-20-21 Davis & Lassen Creek—obsidian Free permits required

\* August Virgin Valley Opal Lacey will coordinate. Tent date August 9

\* Sept 6,7-8 Tuledad Canyon What about a gold trip? Who is in contact with the Prospectors?

\* Oct 11/12/13 Brookings area

**Chuck Newnham has offered his Quartz Mtn opal claim for a field trip! When do we want to go? Let's not pass up this opportunity—it's a day trip, too!**

Anyone interested in McDermitt? Owyhee area? Tom Endicott may have a guide for us for Graveyard Point... Succor Creek area? Rome for snakeskin agate?

**Anyone interested in a fall potluck picnic with Yadenite hunting?** New member David Stark lives near the Pilot truck stop. There are 2 large piles of what was probably illegally dumped fill from an OIT or Sky Lakes project. Lots of Yadenite, easily picked. We could do a fall pot luck, pick & trade Yadenite pieces.

When? Sometime after Tuledad in Sept and the October 11 beach trip. Chris and Linda will organize this when the time comes. Unless it's snowing or pouring down rain, we can enjoy Klamath in October! Thank you David!!

**Coming up soon– Labor Day Weekend**

**The Ashland Rocks! Gem & Mineral Show**

**Saturday 8/31 10am-5pm**

**Sunday 9/1 noon—5pm**

**Where?** First United Methodist Church  
175 N Main, Ashland, OR  
Corner of Laurel & Main

\$2 admission / kids free

More info? go to [scottsrocks.com](http://scottsrocks.com) or call 541.621.2558

Thanks to Scott Blair for the reminder about this show!





## Editor's Corner

This is the space where Chris normally inserts some ideas, or thanks, or just whatever's on her mind. Unfortunately, while trying to recover from shoulder surgery, a nasty flu-like bug has attacked, leaving her largely incapacitated for the past couple of weeks. But not so much so that she and grand-daughter Mandy didn't take the time to list the books Mike Clark had donated from his late father. This list will appear in each newsletter. We'll be placing the books back in the meeting area's storage room with some sort of check out card system so that we don't lose track. There are several dozen magazines as well. *Linda Stroope for Chris Chance*

Thanks to Ed Haas for sending some pics of Yadenite day. We REALLY appreciate it when those of you who go on outings—personal or club events—send us photos. Hope those of you who were able to go to Davis/Lassen Creek will send a photo or two.

And a special thanks to Brian & Clarissa Wade, who signed up for every empty slot on the treat list for this year. FIVE empty slots. We were able to get other people to fill in three of these, but the Wades are still bringing treats for two meetings. More participation in this area would be wonderful

Last but definitely not least, Chris & I (weather permitting) plan to have a little club potluck at David Stark's property in early October as part of a Yadenite hunt. See page 12.



Garwin at the 2018 RAC Show

