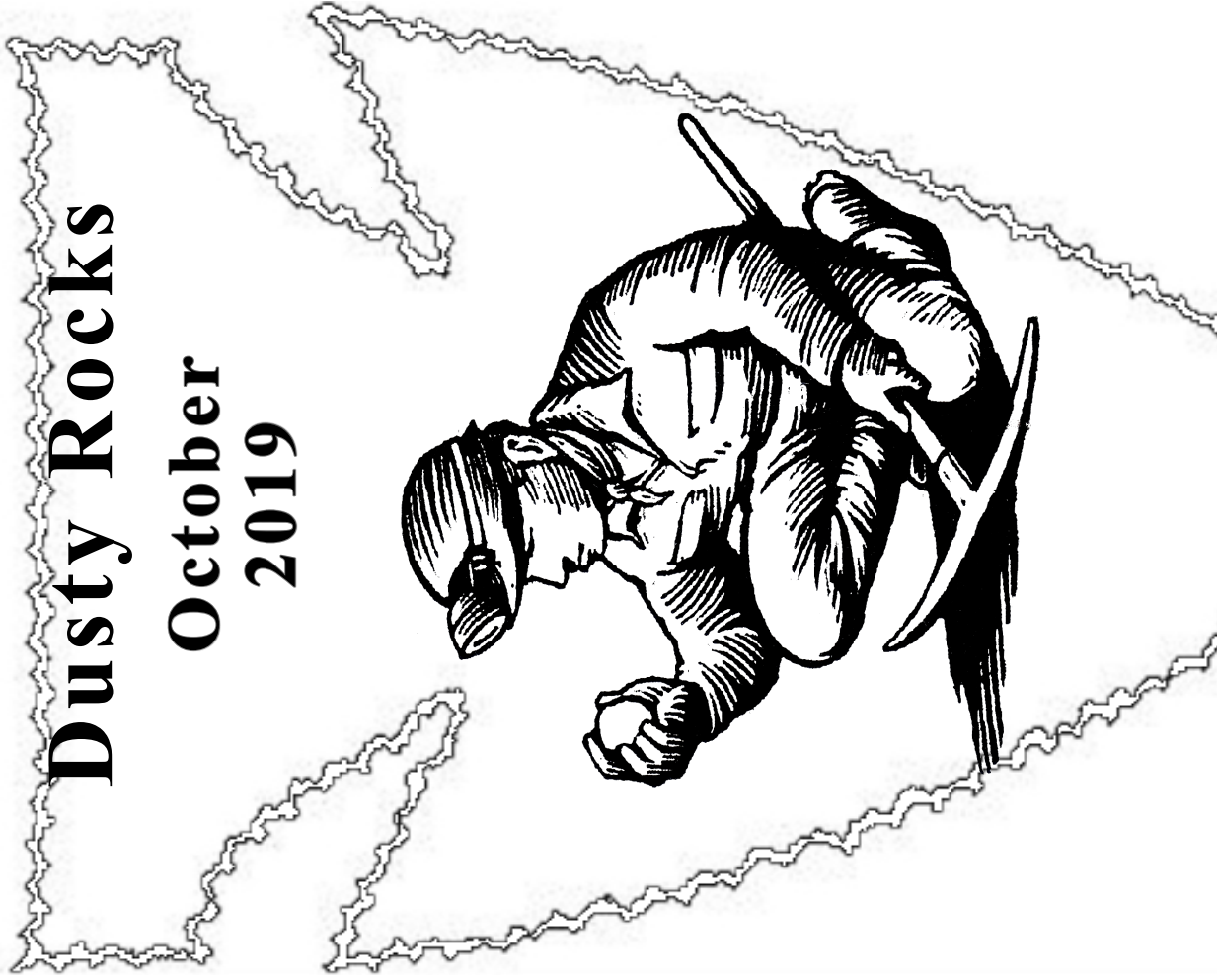


Return Bulletins to:
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Klamath Falls OR 97601

First Class Mail ~ Time Dated Material

Bulletin article submissions or inquiries, contact Editors, see page 2.
Address change or questions, call Leah 541-205-4420 or e-mail mrsllas@ccountry.net



Dusty Rocks

**October
2019**

ROCK AND ARROWHEAD CLUB

P.O. BOX 1803

KLAMATH FALLS, OR 97601

www.klamathrockclub.org



DUSTY ROCKS

Rock and Arrowhead Club ~ Klamath Falls Oregon



OFFICERS & EXECUTIVE BOARD

President: Laura Limb
541-273-7503
1528 Dayton St,
Klamath Falls OR, 97603

Vice President: Denise Hard
541-331-1378
3423 Altamont Dr,
Klamath Falls, OR 97603

Secretary/recorder: Sherry Lee
503-867-4112
2226 Applegate Ave,
Klamath Falls, OR 97601

Treasurer: Robert Stroope
541-539-9599
10072 Westbrook Dr,
Klamath Falls, OR 97603

NFMS Director: Kathi Milem
3333 Anderson #3
Klamath Falls, OR 97603

NFMS Delegate: Alyssa Carnes

Member @ Large: Leah Stump

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 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

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

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

As my tenure as your president winds down, I want to thank each of you for your support over the last 2 years. Due to change in employment, I will not be in Klamath Falls enough to do justice to the president position. To that end, please take an active role in the open elections that are coming up in November. I am sure that whomever is elected to the open positions will do a great job to continue the legacy of the Klamath Rock and Arrowhead Club. I will still be a member and involved as time allows. Thank you again for all your support over the years. Rock on!!!!



Your President
Laura Limb



Happy Birthday



Alice Branson
Jordan Childs
Art Dillard
Oliver Lant
Abby Merrick
Bill Neal
Hope Piper
Cindy Sheridan
Terry Withrow

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 October 14, 7pm
Treats by Sam & Chris Chance

Save the dates!

RAC Fall Craft Show Nov 2-3

Sunday Dec 15 RAC Christmas Party 3-6 pm
Sign up sheet @ November meeting

Cancelled: potluck/Yadenite outing here in town due to landlord's liability concerns.



Rock and Arrowhead Club
Klamath County Museum
General Meeting Minutes of September 9, 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 October.

31 Members in attendance - There were three lucky door prizes winners.

Welcome to 4 guests – Connie Matthews, Paul Keizer and Debra & Robert Bumkist

Program: Wire Wrapping 101 presented by Denise Hard. An excellent presentation was given resulting in a request for a class. Date and location pending.

Review of the August minutes - It was moved by Robert Stroope and seconded by Sam Chance to accept the minutes. Motion carried.

Treasurer's Report – Robert Stroope gave the monthly report on the RAC account.

Northwestern Federation (NWF) Report - Kathi Milem – There will be no field trips at the National Show in Idaho due to weather.

Sunshine Report - Chris Chance- All seem to be well

Webmaster Report - Denise Hard – working on it.

Newsletter - Linda Stroope and Chris Chance - Keep sending in your pictures and articles from your rock hound adventures.

Club member field trips –

*Don Perryman was successful in tracking down the Monterey Blue Agate in Central Nevada off Hwy 50. He had some beautiful samples to show.

*Denise Hard went to the Corvallis Rock Show - small and outside. Came home with some treasures.

Club Field Trips: ***We still need a volunteer to co-ordinate the club field trips:***

Tuledad Report - Robert and Linda Stroope - good trip. Friday and Sunday had nice weather while Saturday was smoked in. Found nodules, jasper, agates and "calcium" brains.

Oct 27 - 28 Oregon Coast, Brookings - Possible sites to visit: Social Security Bar, Pistol River, Agnes and the beach along the coast. Denise Hard and Laura Limb will be the leaders Meet Friday at 9am, Fred Meyer parking lot. It is an approximately four (4) hour trip to Brookings..

Old Business -

*Fall show update - Next meeting Sept. 19th at 6 pm at the Klamath Co. Museum.

New Business –

*Nomination Committee - contact Denise Hard with candidate suggestions for Recorder & Treasurer. Elections will be held during November meeting.

* ***Need a Chair for the March rock show by the October 14th meeting***

Next meeting: October 14, 2019 - 7:00 pm at the Klamath County Museum

Meeting Adjourned at 7:35 pm

Respectfully Submitted by Cheryl Lee, Recorder

With **club elections coming up next month**, it was suggested that we print Article VI, Duties of Officers, in the newsletter so anyone interested will know what the expectations are in terms of Club By Laws. These are the most current documents to which I have electronic access....ed. Which offices are open will be announced again at the next meeting.

Part B: Terms of Office:

Section 1: President – one year

Section 2: Vice President – one year

Section 3: Recorder– two years (see section 6)

Section 4: Treasurer – two years.

Section 5: Federation Director – two years.

Section 6: The Recorder and Treasurer shall be elected on opposite years, to insure continuity of the executive Board.

Article VI: Duties of Officers:

Part A: President – Shall preside at all regular, special and executive board meetings. Shall represent the club at social and public gatherings/meetings when able to attend. Shall register a signature card for disbursement of club funds from the checking/savings account and include name on the governing section of the bank forms.

Section 1: Attend all affiliated meetings, when the Federation Director is absent.

Section 2: Maintain currency of information in the President's Book.

Part B: Vice President – Shall perform all presidential duties in the absence or illness of the President. Shall register a signature card for disbursement of club funds from the checking/savings account and include name on the governing section of the bank forms.

Section 1: Perform the duties of Audit Chairperson

Section 2: Perform the duties of Program Chairperson

Section 3: Become the delegate or alternate representative at affiliated meetings.

Section 4: Be responsible for the meeting room key, pick up Friday before the meeting.

Part C: Recorder – Shall attend all regular, special or board meetings. Monitor all correspondence pertaining to club business and be the third signature on the bankcard for disbursement of funds.

Section 1: Administer all regular advertisement of meetings and special events.

Section 2: Send copies of the previous club minutes to the bulletin editor.

Section 3: Maintain at least two (2) years of club records or minutes. Outdated records to be submitted to the Historian for updating the club scrapbook, when applicable.

By Laws excerpts, cont'd

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Section 1: Administer all regular advertisement of meetings and special events.

Section 2: Send copies of the previous club minutes to the bulletin editor.

Section 3: Maintain at least two (2) years of club records or minutes. Outdated records to be submitted to the Historian for updating the club scrapbook, when applicable.

Part D: Treasurer – Shall maintain the check register, accounts book and receipts books on all club expenditures. Shall be the second signature on the bankcard for disbursement of club funds.

Section 1: Present verbally an itemized report of expenditures of club funds at each regular, special or board meeting.

Section 2: Make payment of all general upkeep bills, without the approval of the general membership, ie.:

- A Mailings
- B Cards
- C Printing Supplies and reproductions
- D Meeting Hall Rent
- E Claim Filing Fees
- F Affiliated membership dues

Article V, Part B Terms of office:

- President – one year
- Vice President – one year
- Recorder– two years (see section 6)
- Treasurer – two years.
- Federation Director – two years.

Section 6: The Recorder and Treasurer shall be elected on opposite years, to insure continuity of the executive Board.

Note: Proxy and absentee voting is not permitted for Officers. Electronic Voting is permissible per Part C



Tuledad, 2019

This is what tumbleweeds look
Like when they're alive!



Carrot shaped nodule find



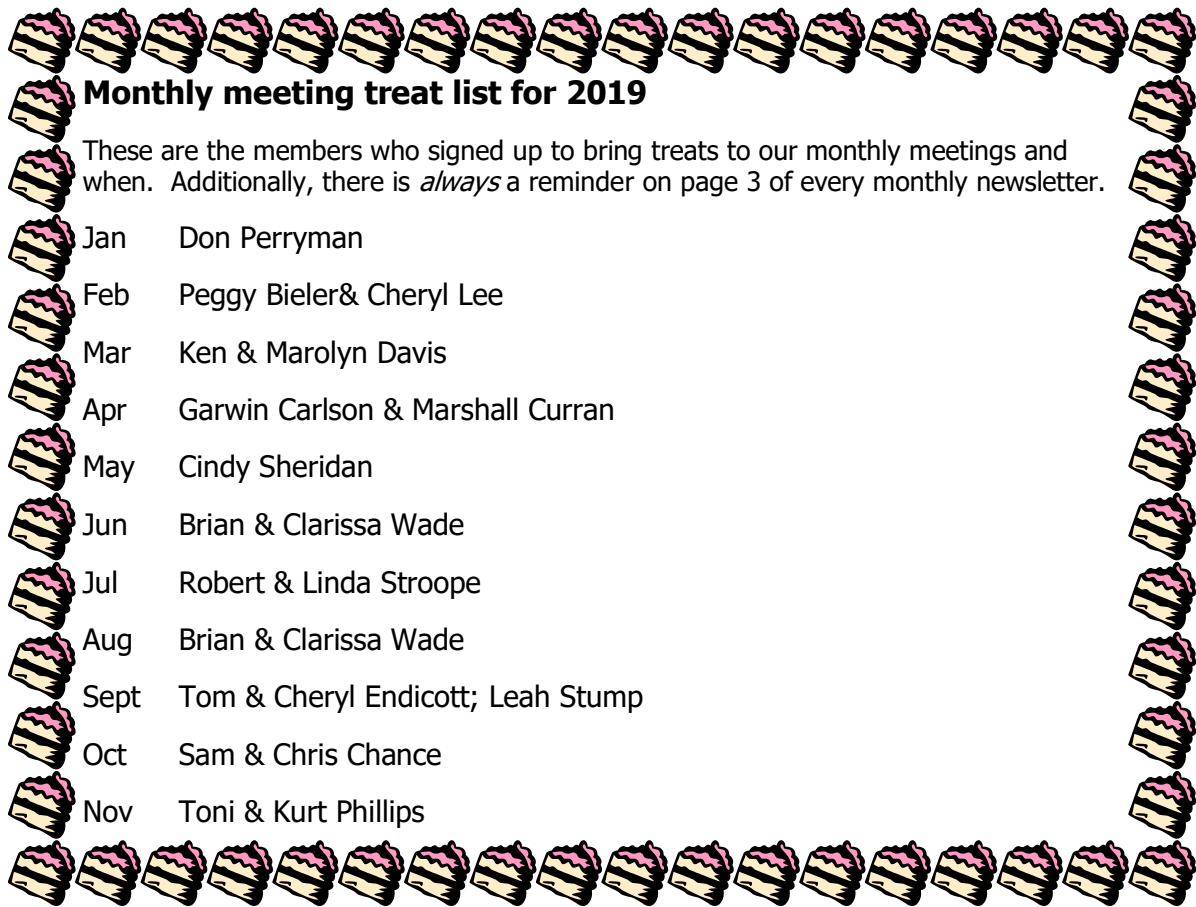
Rock Hound!

Rock art outside the BLM office, Cedarville



**Napping
vs
Knapping**





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

Some upcoming shows:

Oct 18-20: Hells Canyon Gem Club + NW Federation convention Nez Perce County Fair Building, Lewiston, ID

Oct 26-27: Clackamette Mineral & Gem Club, Clackamas Co Fairgrounds, Canby

Also Oct 26-27 Sacramento Mineral Society of CA big show, Scottish Rite Temple, Sacramento. Impressive website JUST for the show: sacgemshow.com

Also Oct 26-27 Bellevue Rock Club, Vasa Park, Bellevue WA

Nov 9-10 Sedro Woolley, WA Skagit Rick & Gem + Club Sedro Woolley Community Center, 703 Pacific St

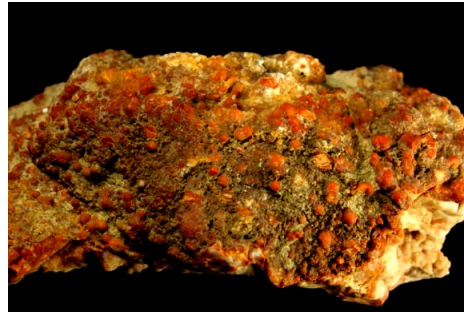
Dec 7-8 Maplewood Rock & Gem Club, Edmonds, WA 8802 196th St SW

Jasper Nodules!

Tuledad: besides what is usually lovely weather, occasional sightings of wildlife (this year the biggest pronghorn buck I've ever seen) and literally mountains of jasper, we also look for *nodules*...fun little pieces that weather off bubbly rinds of larger hunks of jasper. They come in oranges and whites, primarily, and may be perfectly smooth and rounded or branchlike, similar to coral or even as little carrots.



Bubbly red jasper rind



Marshall Curran has explained this to the group more than once, but since we are blessed to have so much lovely jasper within a short drive, here's a refresher:

What is **Chalcedony**?

It is a generic name given to materials that are composed of microcrystalline quartz. Agate and jasper are both varieties of chalcedony. It is very hard with a Mohs value of 7.

So then what is microcrystalline quartz?

Quartz is a mineral composed of silicon and oxygen and *microcrystalline* means that the quartz crystals are so small that a microscope just be used to view them individually.

What is **Agate**?

Agate is a translucent to semitransparent chalcedony. It may be banded, plain & translucent or with plume shaped dendritic or mossy inclusions. Agates often form in areas of volcanic activity where silica rich waters flow through igneous rocks. Although agates typically form in igneous rocks such as basalt, rhyolite, and andesite, they can also form in sedimentary rocks such as limestone. All of these types of rock are more susceptible to weathering than agate. So when the rocks are eventually broken down by weathering, the durable agates will remain. This is why agate nodules are often found in stream valleys that cut through fine-grained igneous rocks or limestone.

And **Jasper**?

Jasper is an opaque variety of chalcedony.

The Grinder

Equipment for sale Contact Zeke Breazeale 541.884.1099

Highland HP 14" Slab Saw \$2,000

Diamond Pacific Genie \$1,600
Brand New! Never used; wheels

Grinder/Buffer 6" with stand \$ 120

Water cooled Chop Saw \$ 125



"Just one more piece", you said, well I knew this was gonna happen sooner or later."

by Skelton 'Dug' Dugger
Ft Lewis Rock Club News
Gem-N-I.org 3/10

Thank you Cartoon Stock for providing free cartoons!

TUFA!

Mugwumps? Zombie brains? What are these things that seem to have grown like cauliflower or even sea urchins out in desert areas all through the Great Basin? We found our first ones at the edges of what had been ancient Lake Lahontan in Northern Nevada. Then, taking a *must see* drive from Devil’s Post pile in the Sierra Nevada to Mono Lake, we viewed tufa towers in this lake, which is actually an immense, alkaline inland sea. The towers are exposed due to both artificial lowering of the lake level and drought. Here the tufa structures appear like towers – stalactite looking, if you were in a cave environment.

Tufa is a limestone (read porous & sedimentary) that’s composed of calcium carbonate. We find it in the Great Basin because it’s formation most commonly occurred in what were once freshwater lakes, now dry, revealing this material. Former wet environments now turned desert like create conditions for the creation of Tufa. It forms where a natural spring flows into a lake. Precipitation of calcium & carbonate will occur instantly around the spring vent. If the spring water seeps slowly, you get bulbous shapes like this area in the Mojave near Barstow, CA. Most formed between 26,000 and 13,000 yrs ago, when the climate was much wetter. Explorer John C Fremont wrote about the Pyramid Lake tufas in his journals of 1843-44 and named the lake for the pyramidal shaped island along the eastern shore. The Paiute name is Cui-Ui-Panunadu, meaning ‘fish in standing water’.

We collected tufa from a wide spot in the road south of Cedarville and also on Duck Lake Loop Road, near Tuledad on our most recent RAC Tuledad outing.

Mojave near Barstow



Mono Lake, CA



GIANT tufas, reef like, at Anoho Island at Pyramid Lake, NV



Upper photo tufa from Fallon, NV.
Lower photo from Duck Lake Loop Road, Tuledad



October Puzzle HALLOWEEN!

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

APPLES
BATS
BLACK CAT
BROOM-
STICK
CANDLE
CANDY
CEMETERY
COFFIN

COSTUME
DRACULA
FRIGHTENING
FULL MOON
GHOSTS
GHOULS
GOBLINS
GRAVEYARD

JACK O LANTERN
MASK
MUMMY
NIGHT
PUMPKIN
SCARECROW
SCARY
SCREAM

SKELETON
SKULL
SPIDERS
TOMBSTONE
VAMPIRE
WEREWOLF
WITCHES
ZOMBIE



