

# DUSTY ROCKS

AUGUST  
2009



**ROCK AND ARROWHEAD CLUB**

P.O. BOX 1803

KLAMATH FALLS, OR 97601

[www.klamathrockclub.org](http://www.klamathrockclub.org)

# ~ DUSTY ROCKS ~

VOLUME 50 ISSUE 8

AUGUST.2009 ~ Rock and Arrowhead Club ~ Klamath Falls Oregon

## OFFICERS & EXECUTIVE BOARD

President: Doris Newnham 541-274-0580  
4737 Alva Ave. Klamath Falls, Or., 97603

Vice Pres: Jeff Eastburn 541-331-7135  
302 W. Main St. Klamath Falls Or., 97601

Secretary: Jenny Eastburn 541-331-7135  
302 W. Main St. Klamath Falls, Or. 97601

Treasurer: Jodean Cogdill 541-884-7431  
2349 Wantland Ave. Klamath Falls, Or. 97603

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

NFMS Junior Delegate: Alyssa Carnes

Past President: Mark Winters

Member @ Large: Marvin Stump

The club mailing address is:  
PO Box 1803, Klamath Falls OR 97601  
[www.klamathrockclub.org](http://www.klamathrockclub.org)  
charlie@klamathrockclub.org

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.

Visitors are cordially invited:

Dues are \$10.00 per year per adult (\$18 for couples), \$7.50 ages 16-18 and free for juniors ages 15 and under whose parents pay dues. They are paid for the year beginning September 1<sup>st</sup> and ending August 30<sup>th</sup>. You are delinquent as of October 1<sup>st</sup> and are given a 60 day grace period. After December 31<sup>st</sup> your name will be removed from the mailing list.

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, foreign and "ordinary" stamps of all values. Proceeds from stamp sales will be used to benefit any charity deemed worthy by the NFMS Endowment Fund. We also collect pop lid tabs which will be sold with the proceeds going to support and purchase dialysis equipment.

### Committee Chairs

Sunshine.....	Chris Chance
Program.....	Jeff Eastburn
Greeter/Door Prize.....	Alyssa Carnes
Refreshment.....	Amanda Newnham
Historian.....	Kathi Milem
Librarian.....	Alyssa Carnes
Claims Rep.....	Garwin Carlson
Field Trips.....	Jeff Eastburn
Show Chair.....	Amanda Newnham
Asst Show Chair .....	Marvin Stump
Safety Officer.....	Jeff Eastburn
Club Webmaster.....	Charlie Wyckoff

THE NORTHWEST NEWSLETTER is published 11 times a year (not published in December). 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 (not published in July or August and the December/January issues are combined).

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
- Oregon Council of Rock & Mineral Clubs

#### Newsletter Editor

Amanda Newnham  
541-892-8364  
dusstyrocks@aol.com

**August 2009**

## July 13 Meeting Minutes

**Inside this issue:**

- Inside Cover ~ Club Information **1**
- July Minutes **2**
- Much To-Do About Rock Tumbling **3**
- More Tumblers **4**
- Peridot ~ The Modern Birthstone **4**
- Public Lands Advisory "A Bone To Pick" **4**
- Northern California Gold Country **6**
- Word Search **7**

Rock and Arrowhead Club Meeting July 13, 2009.

Doris Newnham, began the meeting and said the pledge of allegiance

New guest John Hughes from Arizona just joined our club and David Smith, Welcome.

Door Prize - Chuck Newnham , Holly Zumbrun, Congratulation's

Birthday Contributions are going to be handled next month.

Treasurers report - stand as read to the club. Correspondence – A lot of good info just ask Charlie for some info on that if you are interested.

The hobby festival is out in Bonanza if you want an application just ask Charlie and if you are interested in the Roseburg show then get with Charlie for the tickets.

Sunshine report – We lost John Stone, so the rock club will send money to the hospice inc. We are sorry for the loss, hope the family is okay.

Librarians report – Alyssa, said that the books are out.

Historians report – Kathi, said if anybody has any pictures please give her the pictures. Of any field trips the club has been on and pictures have been taken just get them into Kathi, she will post them or get a copy to Charlie and he will post them on our web site so others can enjoy the fun that we have as a club when we are camping, rock hounding together . We do have fun so if you have never been on a rock camp out please come and join us in all the fun.

NWF Report – Kathi, said there was nothing to report this time all they do is just argue between each other.

We are having a meeting next month on the second Monday of August. We are also having a meeting the 23rd of July at IYS , 7pm for the discussion of the next Rock Show and about the loan apps. They need to be turned in. If you would like to attend please do so. Contact Kathi Milem if this is not the right date but I believe they said the 23<sup>rd</sup> of July at IYS on main St. Across the street from Antonio's Italian Restaurant.

The 2010 rock show theme is Geodes and Thundereggs then for 2011 rock show the theme is going to be Petrified Wood.

Amanda Newnham, will be getting a new award, for a job well done on the newsletter. Kathi and Alyssa will be bringing the award back for Amanda.

We also would like to congratulate Amanda Newnham, on the birth of her new baby Boy Tyler. Congratulation's Amanda, take lots of picture's of that new little one.

The club is having a field trip to the Lassen Creek campsite on July 16,17,18 and 19. If you are so inclined to be there those dates. We are having a potluck dinner on Saturday the 17<sup>th</sup> and then we will have a silent auction after that. Please bring goodies for the silent auction table.

And please sign up for the potluck dinner that we are having.

Chuck Newnham, Field trip Excursion, his truck had a flat tire so he put his spare on and went back to his camp. He found that

His spare was ruined too. Chuck was not happy at all. Chuck also said that he went to the sunstone area and that Garwin, is a slow driver, So everyone laughed. Garwin talked about his field trip and he talked about how green it was because of the rain and stuff. Chuck talked about Hart Mountain and what is up there.

The 8<sup>th</sup> and 9<sup>th</sup> of August the club is going to go to the gold panning area. If you would like to attend then get with Charlie for maps.

There is a program tonight, Jeff Eastburn and Chuck Newnham are doing the program for tonight on black lighting and minerals.

Refreshments tonight, are Kathi and Alyssa, Heidi Eli, so thank you to those member's.

Next month's refreshments are, Charlie and Shelia James we thank them as well for there help. Doris and Gene Newnham, will be helping our new member's with the refreshments. Thanks to them too.

The meeting has been adjourned for tonight. Please enjoy the refreshments that have been provided for us. Thank you for coming to our rock club meeting. We enjoyed seeing all these new members and enjoy socializing with everyone in the club. There is a lot to be learned from all our club member's. They are very knowledgeable so learn all you can. Always ask Jeff Eastburn, our Safety Officer, what you should do on field trips and what you should take for the different ones that the club goes on. He is very knowledgeable on safety issues as he was trained on his job.

We would like to continue to see more and more young people come to our club. Please bring a friend the next time you come to a meeting. We would like to extend a great thanks to all our members who have put on a program at the end of our meetings. You can learn a great deal. These notes provided by Jennie Eastburn Secretary.

**NEXT MEETING:**

- Monday Aug. 10 at 7:00 pm
- Refreshments: TBA
- Program: TBA



August 2009

## From The Editor

**Well, summer is almost over. I hope everyone is enjoying the end of summer and is looking forward to the upcoming fall season.**

**I was trying to figure out what to include in the newsletter this month, and I came across a series of articles on rock tumbling, so the first one is included here. Also, I didn't receive the minutes for a message from our president so those will be included in the September issue.**

**That's all for now, and see you all soon!**

**~ Amanda**

## How Rock Tumbling Works ~

Rock tumbling simulates the natural polishing action of the ocean's tide, which rolls rocks and shells (and even glass!) around in the sand and water. This grinding process continues for many, many years and is why most of the stones you find at the beach (or in a stream, for that matter) are so smooth. A rotating tumbler mixes rocks, water, and carefully-graded abrasive materials to achieve the same (or better) results in far less time.

Starting with a very coarse sand-like material, and moving through three

more stages of ever-finer grit, it will take your tumbler only four to six weeks to accomplish what it takes Mother Earth years (if not centuries) to do. To really understand how tumbling works, just think about how you would go about sanding a flat surface. You would start with a heavy weight of sandpaper and move up to finer and finer weights until the surface was very smooth. Tumbling simply adds water (and a third dimension!) to the process.

## How to Choose the Right Tumbler ~

Rock tumblers make very popular gifts for adults and kids alike, but it's often difficult to decide which one you should buy. First, you should consider three basic properties:

**Rock Hardness.** The stones you tumble together of the hardness. For example, you would tumble with other quartzes, such as jasper or agate. If you tumble softer rocks with harder ones, the softer rocks will end up in little bits and pieces. In general, rocks with a hardness of less than 5 Mohs are more likely to crumble than polish if tumbled.



must be same. For you want to tumble quartz such as

you feel that you won't often be able to fill a larger barrel, you might want to look into a smaller one.

**Number of Barrels.** You may wish to consider a multiple-barrel tumbler. Some of the advantages of more than one barrel are 1) not having to wait for the rocks you found last week to finish tumbling (five weeks from now) before you start tumbling the rocks you found this week; 2) being able to tumble rocks of different hardness's at the same time; and 3) having a barrel for each member of the family!



**Barrel Size.** The barrel must be at least 2/3 full, and may be no more than 3/4 full. If you think you'll want to tumble fairly large pieces of rock, you may want to consider one of the larger-barreled models. On the other hand, if



### Vibratory vs. Rotary ~

Which kind of tumbler is right for you? Each of the two basic forms of rock polisher -- rotary and vibratory -- has its advantages.

Rotary tumblers are an excellent way to get started tumble-polishing rocks. Good-quality tumblers, such as the Lortone models we carry, are much cheaper than comparable vibratory units. Getting good results on rocks that are Mohs 5 or greater in hardness is not difficult, and generally your batch will require checking only once every day or two. You can also tumble-polish metals in these units. Rotary tumblers with rubber barrels -- like the Lortone models -- are also noticeably quieter than vibratory tumblers.

Rotary tumblers are best for producing seaglass.

On the other hand, they take 4 to 6 weeks to produce results. This can be a sizeable disadvantage for some people.

Vibratory tumblers such as the Gy-Roc Model B can finish a batch of rocks in little more than a week. Types of appropriate loads are more varied, including very soft organic materials like ivory, with a hardness level down to Mohs 2½. One sort of processing that is possible only with vibratory units is dry polishing.

However, this versatility brings with it a fair degree of complication. Vibratory tumblers are also quite noisy, though this can be moderated to some degree by placing them on a piece of carpeting or other padding.

For many people, the initial high cost of these units is decisive. If, however, speed is important to you, you can process much more rock in the same amount of time. Capacity can be increased by piggy-backing additional inexpensive hoppers onto the basic unit -- up to three total on the Gy-Roc Model B.

So which sort is better for you? It depends entirely on your needs and resources.

All above articles reprinted from [mamasminerals.com](http://mamasminerals.com)



### PERIDOT, THE MODERN AUGUST BIRTHSTONE

Peridot is the birthstone for August and the gem designated for the 16th wedding Anniversary. Peridot ranges in color from light yellow-green to the intense bright green of new spring grass to olive. Because of the way peridot splits and bends the rays of light passing through it, it has a velvety appearance, a rich glow, and a slightly greasy luster. The purer green a peridot is the higher the value. Any tinges of brown or visible flaws greatly diminish the price. The best colored peridot has an iron percentage of less than 15% and includes nickel and chromium as trace elements.

Peridot gems were probably used in the fabled Breastplates of the Jewish High Priest and historical legend say that peridot was the favorite gemstone of Cleopatra. Peridot is considered a tonic for the whole body and protects the wearer from negativity, it is associated with stress reduction and relaxation. ....continued next page



Continued.....Egyptians used peridot to clean and heal the heart. Powdered peridot has been used to cure asthma and a peridot placed under the tongue of someone in the grip of a fever is said to lessen thirst. One legend says that drinking from a peridot goblet will increase the potency of medicines. Further research indicated that ancient Indo-Iranians, and Vedic and Persian cultures may have used cups carved from Peridot for their ritual drink of Soma.

Gem quality peridot comes from Zargard Island in the Red Sea, Myanmar (Burma), Australia, Brazil, Germany, Mexico, Pakistan and Arizona and Hawaii in the USA.

### **PUBLIC LANDS ADVISORY**

**Andy Johnson**

#### **A BONE TO PICK**

You may have read about it, possibly seen it on the TV news or may have even stumbled upon it while surfing the internet as I did. What I'm talking about is the real life story of Nathan Murphy, a commercial fossil hunter slash amateur paleontologist, who rocked the scientific community and public at large by unearthing perhaps the best preserved dinosaur in North America back in 2000. He now stands convicted in Federal Court of stealing fossils from public lands (BLM) in Montana.

His claim was that it was an honest mistake. The Federal prosecutor's claims were accurate, that this wasn't his 1st dance with the government and the laws of the land, that his willful disregard of the laws should qualify him to become the poster boy for the BLM. Let there be no mistake among the public that the government and the legions of agencies which reputedly seek to preserve, protect and manage our right, title, and interest in our public lands will not tolerate the For Profit Resource Hunting by amateurs or professionals alike. Although I believe in playing by the rules, it is becoming increasingly difficult for amateur rock hounds to know exactly what those rules and regulations are beyond the often ambiguous and loosely defined terms and definitions associated with our hobby and in some instances our livelihood.

This issue is complicated even further by geographical and regional differences in our country and the various management agencies involved in obtaining accurate information and or permits. Policy decisions often are left to the regional or district administration. One only has to read of the above or the article in last month's newsletter entitled "This Can Happen To You" or the article in the July issue of Rock & Gem titled "CONFISCATED!" to know the war has begun right here in America.

Editor's Note: See page 7 (of Northwest Federation Newsletter—

August 2009) for more information

Reprinted from August Magic Valley Gems

## **Upcoming Rock Shows**

### **AUG 15-16 Sat 10-6 Sun 10-5**

"Nisqually Valley Rockhound Society's Annual Show"  
Yelm Middle School, Hwy. 510 Yelm, Washington  
Mike Smith 360-458-8747  
msmith2012@ywave.com

### **SEPT 12-13 Sat & Sun 10-5**

"Marcus Whitman Gem & Mineral Society Show"  
Walla Walla County Fair  
9th St & Orchard Comm. Center, Walla Walla, WA  
Warren Rood 509-522-2330  
wrood@coffeycomm.com

### **SEPT 18-20 Fri & Sat 8-6 Sun 8-5**

"A Rockhound Revival" 29th Annual Portland  
Regional Gem & Mineral Show  
Fair Complex (across from Hillsboro Airport)  
Hillsboro, Oregon  
Russ Snook 503-648-3989  
dmsnook28@yahoo.com

## GOLD MINES AND GOLD PROSPECTING IN CALIFORNIA GOLD REGION 6

There are many gold districts in this region. The information quoted below is from California Division of Mines and Geology Bulletin 193 by William B. Clark.

"The Klamath Mountains region in northwestern California is the second-most gold-productive province in California. The principal gold districts are in Shasta, Siskiyou, and Trinity Counties. Although there are several important lode-gold districts, the placer deposits have been the largest sources of gold.

The most productive placer deposits in the Klamath Mountains have been those associated with the Klamath and Trinity Rivers and their tributaries. Gold is found not only in the gravels in the present stream channels, but also in older terrace and bench deposits adjacent to the channels. The terrace and bench deposits often were mined by hydraulicing.

Rising in southern Oregon, the Klamath River flows west across the Klamath Mountains and empties into the Pacific Ocean. The most important tributary streams of the Klamath River are the Shasta, Scott, and Salmon Rivers, and Cottonwood, Horse, Seiad, Thompson, Indian, Clear, Dillon, and Camp Creeks. Important centers of placer mining in the Klamath River system have been at Hornbrook, Yreka, Scott Bar, Hamburg, Somesbar, Orleans, Sawyers, Forks of Salmon, Callahan, and Cecilville.

The Trinity River, which flows into the Klamath River at Weitchpec, drains the southern portion of the Klamath

Mountains. The most productive placer deposits of the Trinity River are those located along its main channel. These include the deposits at Carrville, Trinity Center, Minersville, Lewiston, Weaverville, Junction City, and Salyer. The principal tributaries of the Trinity River are Coffee Creek, Stewart's Fork, East Fork, New River, Indian Creek and Hayfork Creek. The La Grange mine, a few miles west of Weaverville, was one of the largest hydraulic mines in California. Other sources of placer gold in the Klamath Mountains have been the Smith River region in Del Norte County and the upper Sacramento River and its tributaries, which include Backbone, Clear, Cottonwood, and Beegum Creeks.

Lode-gold deposits are found throughout the Klamath Mountains. The most productive district has been the French Gulch-Deadwood district of Shasta and Trinity Counties in the southern portion of the province. Other important sources of lode gold have been the Deadwood district of Siskiyou County (there are several Deadwood districts in California). Dillon Creek, Callahan, Oro Fino, Liberty, Sawyers Bar, Harrison Gulch, Whiskeytown, and Buckeye-Old Diggings districts. Considerable amounts of gold have been produced in the Shasta copper-zinc belt and lesser amounts in other copper deposits, such as the Copper Bluff mine at Hoopa.

The gold nearly always occurs in native form in quartz veins, usually associated with pyrite and smaller amounts of other sulfides. The veins occur in all metamorphic rocks of Jurassic and older ages. A few lode-gold deposits are found in granitic rocks."



# AUGUST WORD SEARCH

Black sand	P A N N I N G B N A P D L O G	Ounce
Dredging	E Q U W O B O L E T Z C A O R	Panning
Gold	N P G Q V M L A Y E D O L F A	Pennyweight
Gold pan	N S G O C E D C M T R D Z L V	Placer
Gold rush	Y H E F I G R K O H K L J O E	Quartz
Grain	W A T E R S U S T A R A K N L	Shafts
Gravel	E F Q W V L S A H P J V O G S	Shovel
Karat	I T M P O U H N E L N I X T L	Sluicing
Lode	G S Y O E I E D R A Z E C O U	Sluice box
Long tom	H K L C J C S H L C G N F M I	Troy
Mother lode	T Y N J H E H I O E Z S N D C	Viens
Nugget	R U K B C B O X D R J I O C I	Water
	O E N P S O V U E Q A W T R N	
	Y C B A I X E H Y R D F X V G	
	Q U A R T Z L W G N I D E R D	

## Chance Musings ~ My Book Report

At a bookstore in Valdosta, Georgia I found a book titled Guide to Minerals, Rocks, and Fossils, published by Firefly Books. Authors are A C Bishop-AR Woollery- and W R Hamilton.

It is one of the most helpful books I have found so far while looking for rock books.

The contents are divided into three categories, Minerals, Rocks, and Fossils. Also there is information on geological timescale and a list of further readings, chemical symbols of the elements and a precise index listings.

Each listing comes with a good photo and complete information on the item. Granite- color , texture, grain size, structure, mineralogy and field relations.

This information so you can find and identify the natural state of the material. With good field identifying information and over 600 specimens in full color and illustrated with over 300 drawings to help identify structure and features, this might become you rock hounding bible.

The fossil section has clear photos and more information to help you with their scientific name, where they can be found, and during which period of time they existed.

Other books : Cambridge Guide, Smithsonian Rocks and Minerals, Rocks, Minerals and Fossils of the World. All found on the internet with the ability to turn the pages to see what kind of information the book has and how it is setup for ease of understanding.

~ Chris Chance

## MORE SHOWS COMING UP

### SEPT 18-20 Fri & Sat 10-6 Sun 10-5

Far West Lapidary & Gem Society

Annual Gem Fest"

4th St Parking Lot (across from Outdoor Inn)

Coos Bay, Oregon

Rocky Pribble 541-572-8301

### SEPT 26-27 Sat 10-6 Sun 10-5

"Hellgate Mineral Society 15th Show"

Ruby's Reserve Street Inn

4825 N Reserve, Missoula Montana

GOLD 50 yrs Rockhounding

Bob Riggs 406-543-3667