

# DUSTY ROCKS

JANUARY  
2012



**ROCK AND ARROWHEAD CLUB**

**P.O. BOX 1803**

**KLAMATH FALLS, OR 97601**

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

# DUSTY ROCKS

~ Rock and Arrowhead Club ~ Klamath Falls Oregon



## OFFICERS & EXECUTIVE BOARD

**President:** Jeff Eastburn 541-363-6154  
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Klamath Falls OR, 97601

**Vice Pres:** Marshall Curran 541-882-3933  
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Klamath Falls OR, 97603

**Secretary:** Vicki Davis 541-273-0394  
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**Treasurer:** Laura Limb 541-273-7503  
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Klamath Falls, OR 97603

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

**NFMS Junior Delegate:** Alyssa Carnes

**Past President:** Doris Newnham

**Member @ Large:** Marvin Stump

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

nicee1214@gmail.com

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 April after the show.

### Visitors are cordially invited:

Dues are \$13.50 per year per adult (\$25 for families plus \$1 per child), \$7.50 ages 16-18.

### 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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## Committee Chairs

Sunshine.....	Chris Chance
Program.....	Marshall Curran
Greeter/Door Prize.....	Sandi Masterson
Refreshment.....	Chris Chance
Historian.....	Ellie ???
Librarian.....	Jessica Limb
Charity .....	John Long
Claims Rep.....	Garwin Carlson
Field Trips.....	Marshall Curran
Black Light Display .....	Chuck Newnham
Show Chair.....	Linda Watson
Asst Show Chair .....	Marvin Stump
Safety Officer.....	Jeff Eastburn
Publisher/ Webmaster.....	Denise Sebastian

**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
- Oregon Council of Rock & Mineral Clubs

### Newsletter Editor

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Visit Us At [www.klamathrockclub.org](http://www.klamathrockclub.org)

Please e-mail nicee1214@gmail.com to get on our email list.



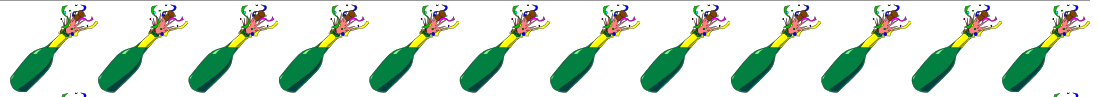
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**NEXT MEETING:**

**January 9th**

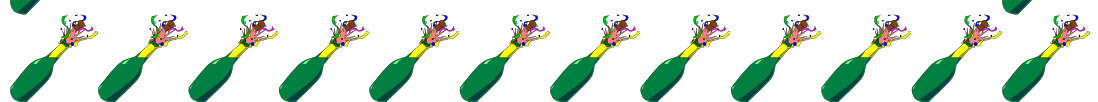
- 7:00 pm
- Refreshments:
- Program:



**FROM THE EDITOR....**

A new year, I love a new year, fresh starts and lots of things to look forward to. The show will be here before we know it! Don't forget we need all the help we can get with the show, so don't hesitate, step up and offer Robert and Linda all the time you can! While we are at it, don't forget me. I'm a little far so I rely on you all to keep me in touch. Please submit things to the newsletter, take picture and send them to me. Last year I was so grateful for to Marv, Cheryl, Chris and Linda for submitting items, I ask for you to add your name to this list. Otherwise I'm just guessing on what to put in the newsletter or putting in random items that are meaningless.

Happy New Year, Jen!



*Garnet*

*January Birthstone*

Chemically, garnets are not one stone, but an entire family of gems. There are six species of garnet – almandine (wine red), pyrope (brownish to orange red), spessartine (orange brown to golden brown – root beer color), andradite (yellowish brown to green), grossular (colorless to green, including yellow, brown and pink) and uvarovite (brilliant green). They all share a common cubic crystalline structure that gives them superior refractive qualities, making them brilliant, fiery stones.



Garnets are also among the hardest gemstones, measuring between 7.0 and 7.5 on the Mohs hardness scale.

*Happy Birthday*

- Sherry Anderson - Klamath Falls, OR
- Della Fitzsimmons - Klamath Falls, OR
- Fairisine Fore - Bonanza, OR
- Steve Kurusz - Klamath Falls, OR
- Barbara Massey - Klamath Falls, OR
- Hope Piper - Klamath Falls, OR
- Glory Reinholt - Sumner, WA
- Marjorie Riel - Springfield, OR
- Kristin Sayles - Klamath Falls, OR



November 14th, 2011 Meeting Minutes *Submitted by Linda Watson*

Meeting called to order at 7:00 pm Pledge of Allegiance

Guests: Tom Luna, Angie from Indigo Beads

Program by Dr Kochevar: Precious opals. However, he is also running a challenge on identifying diamonds.

Birthday donations accepted

Door prize won: Marolyn Davis, Ellie Hart, Vicki Davis

Kids' program tonight: The Limbs

Minutes from Meeting – Motion to approve made by Chuck Newnham. Seconded by Marshall Curran. Minutes approved as printed.

Treasurer's Report: Still have money.

Charity Report – ready to vote on next list so a list will go around tonight and he will compile the list forward.

Webmaster/Newsletter Report: New design worked out. The Grinder is a new section for advertising and happenings.

Librarians report: Books are out. Black light is back.

Historians Report: New historian – Ellie J.

NWF report: Kathi has a copy of the minutes. Dues are due.

Sunshine Report: No report. Birthdays are now printed in the newsletter.

Old Business: Membership cards will be going out about December 15. Christmas Party – December 11<sup>th</sup>, Sunday @ 1:00. Bring a side dish – drinks, breads, salads, veggies, desserts. Bring gifts: 1 good gift – if you're a she, bring a gift for a she. If you're a he, bring a gift for a he. Bring a gag gift for Robber Bingo.

Show report: Begging for help and donations. Next meeting is Dec 1<sup>st</sup> at IYS. Chuck has flyers for cases (24 provided and a total of 40 spaces available). Theme is Crystals. Charity for show decided: The Humane Society. Smaller advertising grant this year and it was determined that the Rock and Gem advertising wasn't effective so the plan is to do smaller and different venues, possibly including Craigs List.

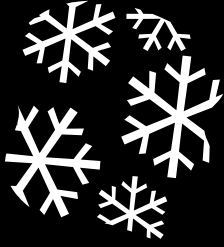
New Business: \$500 for 18" rock saw – see Doris Newnham. Vest for sale from Frank Vaughn (long time club member from Lakeview). Door greeter needed – Sandi Masterson volunteered.

Marvin Stump started the Nominations: President – Jeff Eastburn, Vice President – Marshall Curran and Recorder – Vicki Davis. All were elected or re-elected.

Bylaws: report given Laura Limb. Handouts given and brief explanation. We'll have 60 days to review and then vote and finalize.

Refreshments: Laura & Denise

Program: presented by Dr Kochevar Meeting adjourned: 8:15 pm



# The Rock Pile

## Rock Gem Mineral Shows

January 12-13 Sedro Woolley, WA

January 12-13 Edmonds, WA

January 18-20 Springfield, OR

January 19-20 Bremerton, WA

## Sunshine Report

Chris Chance had surgery,  
please keep her in your  
prayers.



## Rocks In The News

In December, one of Golconda's, India's fort with the Vault chamber where famous diamonds have been stored, will go under the hammer at Sotheby's. Here's a look at the best to have sparkled.

1. The Light of Golconda, the size of a quail's egg, dates back to the 17th or 18th century. It is an exception because of its size (33.3 carats), purity and the fact that it was hand cut.
2. The world's largest diamond is the rough, un-cut Cullinan diamond (3,106.7 carats) from South Africa's Premier Mine. The largest polished gem from the Cullinan is the Cullinan I, or the Great Star of Africa.
3. The Hope diamond, worth about USD 250 million, is believed to be from the Guntur mines of Andhra Pradesh.
4. The De Beers Centenary diamond is another eye-popping product of the Premier Mines. Estimated to be worth around USD 100 million, it was cut by a hand-picked team, assisted by engineers, electricians and security guards.
5. And then, of course, is the Koh-i-Noor. Once known to be the largest diamond in the world, it is also from Guntur.

## We Need For the Show!

- \* Items for door prizes
- \* Items for our Door Prize Raffle
- \* Critters to be made
- \* Tumbled Rock
- \* Donation of crystals for our case favors
- \* Craft items for our charity table

2012 Show Charity

The Klamath Falls Humane Society!



# Meteorites!

As a child, Dick Pugh stopped as often as he could to pick up any rock he could find. When in 5<sup>th</sup> grade his teacher told him he should be a geologist, he thought we had found his calling, until college. In college his advisor retired and noting Dick's passion gave him his collection and information of meteorites, creating one of the renowned specialist of meteorites. Dick is currently working at the Cascadia Meteorite Lab at Portland State University and is still passionate about meteorites.

Established in 2003, the Cascadia Meteorite Lab works to teach the public about finding and identifying meteorites does research on extraterrestrial samples, curation of meteorites including making samples available to other institutions and is part of the planetary sciences at PSU.

I was recently lucky enough to hear Dick speak, his knowledge and passion shines though and by the end of the lecture everyone in the room was ready to go out and hunt meteorites. Surprisingly one of the best places to hunt for meteorites may be in your current collection. You may have picked one of this valuable rocks up and never even known it, especially if you live in an area that has been previously seen a meteorite strewn field.

Meteorites are a natural object originating in space that survives impact with the Earth's atmosphere, most meteorites that make it to the ground come from asteroid belts. When a fireball enters the Earth's atmosphere at mach 40, if it survives and impacts the Earth it will end up as fragments sprayed over a couple of miles, a meteorite has just landed.

Meteorites are heavy, attracted to magnets, irregular in shape, have fusion coating like glass, have thumbprint like impressions called regmaglypts and sometimes rust. If a meteoroid maintains a fixed orientation for some time without tumbling it can be cone shaped and some are warm when they land, others have a frost form upon the surface. If recovered after being observed as they transited toward Earth they are called falls, all other meteorites are called finds. There are approximately a little over 1,000 falls with over 38 thousand finds. Meteorites are named for where they are found.

There are three types of meteorites. Iron meteorites are a blend of rock and metal and are the rarest with only about 6% of finds being this type. Often they keep their conical shape and will have a widmanstatten pattern if sliced, showing a crystallization of the metals that is quite beautiful. The largest known iron meteorite is in Hoba, Namibia and is 60-70 tons and 8 feet by 9 feet.

The second type of meteorite is the stony-iron, classified as Pallasites or Mesosiderites these are half metal and half mineral, with the mix of properties forming color and crystals that show up beautifully when they are sliced and polished. Also quite rare these meteorites often fetch up to \$25 a gram if you can find them for sale or have one to sale.





## Meteorites Continued.

The most common type is the third on our list, the stony meteorite, make up about 80% of all meteorites. If you can call an object that survived billions of years in outer space than a fiery plunge to Earth common. Classified into two types: Chondrites; made of chondrules or various minerals condensed, they often retain their cone shape as they tend not to tumble as much in the fireball and Achondrites; containing no metal or minerals these meteorites are very similar in appearance to terrestrial igneous rocks making them difficult to find if you didn't witness the fall.



In Oregon there have been six meteorites that have been recovered. Sams Valley a 7.9kg found in Jackson County in 1894. A 15.5 ton meteorite found in West Linn called the Willamette, the largest in the United States; it is on display at the American Museum of Natural History and is one of the most famous finds in the world. The Klamath Falls, found in 1952 a 17kg Iron. A 61g chondrite observed in a fall (onto a house) on May 11, 1981. Morrow County found in 1999 an 18.2kg chondrite. Finally, Fitzwater Pass, found in 1976 by Paul Albertson of Lakeview while hunting for agate and jasper, dismissed as iron ore by a rock shop it sat in a Folgers can until 2010 when Dick giving a lecture like the one I attended, was looking over specimens brought in by the public, identified it as a possible meteorite. After testing it was confirmed as the sixth find in Oregon.

Next time you want to go hunting for something, consider meteorites. Take your basic rock hounding tools, with a few additions. A meteorite stick, a golf club with super duty magnets on the tip with a bag over them, good to touch and picking up meteorites on the surface. A metal detector that is designed for gold hunting should be sensitive enough to pick up iron content. Your eyes, meteorites often look different then what you are used to hunting for, so just keep your eyes open for something unusual looking as you hunt.





# Show Prep

## 2012 Rock & Gem Show Meeting Nov 3, 2011

Meeting called to order @ 6:28pm by Linda Watson & Robert Gresham

**Dealers Report, Marvin Stump:** he and Doreen will be getting contracts out around Nov 15<sup>th</sup>. There are a couple of dealers that may not return this year.

**Display Cases, Chuck Newnham:** he has a few applications ready to hand out. The theme is Crystals. We'll have about 40 cases to fill and the club has 25 on hand. Need to get with Kermit to see if more have been built.

**Demonstrators, Garwin Carlson:** Working on it

**Information Table, Marshall Currin:** Will do it again this year, books went over well and he will work with Laura to order more. Will bring up T-Shirts/swag at the next rock club meeting. These things can be sold at the information table.

**Silent Auction, Della Fitzsimmons:** Della volunteered to work with this and she brought some of her fabulous critters for us to see. As most of our volunteers for this area come from out of town, it will be great to have an organizer. More next meeting.

**Case Favors, Garwin Carlson:** Discussed the need for slabs. Chuck has some obsidian slabs and Robert will bring over some crystals from Obenchain. Garwin will set up a time for people to come over to his house and help put those together. We need about 120 of these.

**Awards, Garwin Carlson:** Discussed the wood and slabs needed. Need trainee to take over. More next meeting.

**Publicity/Marketing/Grant, Laura Limb:** The club has been approved for a \$2000 Grant again this year. Laura discussed prices and advertising venues. It was decided not to put an ad into the Rock and Gem magazine as the cost vs the payback was minimal. It was decided for Laura and Denise to present an agenda of alternative advertising areas next meeting for further discussion.

**School, Leah Stump and Linda Watson:** No coupons this year, but we will do flyers. Robert will check with the Geology club at KCC to see if they want to help again this year.

**Raffle Drawing/Door Prizes, Laura Limb:** Discussed a bit of what was successful in the raffle last year. Chris & Sam Chance donated a large crystal for the Raffle. The location of the raffle table was excellent. More next meeting.

**Security, Jeff Eastburn and Marvin Stump:** We may need Saturday night security. More next meeting.

**Ticket Sales:** More next meeting

**Black Light Display:** More next meeting.

**Kids' Activities, Kathy & Alyssa:** If our sandstone vendor doesn't come this year, we could have an activity back in their corner. More next meeting.

**Show Layout, Marvin Stump & Garwin Carlson:** Just starting to fill it in. Considering moving Darrell to a more convenient location for him – he had a bit of trouble maneuvering last year.





# Show Prep

**Show set up, Everybody:** More next meeting. Need to check with Kermit to see how the trailer is coming along. Basically things are the same as usual.

**Load in/Load out:** More next meeting

**Paraphernalia/Gear:** Will discuss T-shirts/Swag next regular Rock Club Meeting.

**Rock Dinner Table, Marvin and Leah Stump:** Discussed volunteer for table area. More next meeting.

**Charity Table:** Will bring up at next Rock Club Meeting.

**Meals/Concessions, Marvin Stump:** Karen, Keno's Lion Club – we decided the meals were great as usual and we didn't want to change anything. So, fees are the same. An apology to Karen – Linda kept her there much longer than she wanted to be there or needed to be there. Linda will try to do better in the future. Chris Chance volunteered to organize the Friday night dinner and Kathi will cook the spaghetti, bread and get salad.

**Insurance/building Rental, Garwin Carlson:** More next meeting

**Volunteer/KCC Coordinator, Robert Gresham:** Robert will check with Pier Bartow.

**Other:** Linda will have sign up boards at the next Rock Club Meeting. Next meeting December 1st, 6:00pm at IYS.

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Hello Club Members!

Have you ever wondered what goes on behind the scenes at one of our fantastic annual Rock Shows? Well, here's your chance to find out!

We have need of volunteers to help out with many different areas of the show. We need people at the front door to greet the public and take money. We need people to help sell raffle tickets and hand out information on our club. We need people to help at the Silent Auction Table. We need people to help with Security. We need people to help with the Kids' Activities. We need people to help as 'Relievers' – you know, to help give people a break. We need people to help set up the show (tables, chairs, signs, etc) and to help take down the show.

Aside from these tasks, we also have need of people to help make critters, tumble rocks and a myriad of other before-the-show jobs.

Come on out to our next planning meeting (date) and see what you can do to help. There will be sign up sheets available and you can ask questions and give your input.

Thanks! Linda Watson & Robert Gresham, Co-Chairman for the 2012 Rock and Gem Show

**KLAMATH ROCK AND ARROWHEAD CLUB GEM AND MINERAL SHOW**

2012 Show Theme  
**CRYSTALS**

March 10 & 11 2012  
Main Exhibit Building  
Klamath County Fairgrounds  
3531 6<sup>th</sup> Street  
Klamath Falls, Or. 97603

Application for Display Cases:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Club Affiliation: \_\_\_\_\_

Type of Display: \_\_\_\_\_

I will Need a Case: \_\_\_\_\_ (4' X 2' X 2') Total Amount of Cases Needed: \_\_\_\_\_  
(one 8' case please call to check if available)

I am Bringing My Own Case: \_\_\_\_\_ Total Amount of Cases: \_\_\_\_\_ My Case is \_\_\_X\_\_\_X\_\_\_  
*Please call ahead of time if you need special accommodations.*

Electricity is limited to 150 watts per case. Exhibitors are to furnish their own Risers & Liners.

Setup time starts Friday March 9<sup>th</sup> from 10:00 am to 8:00 pm. Displays need to be completed & ready for show to open at 9:00 am Saturday March 10<sup>th</sup>.

Show Hours are Saturday, March 10<sup>th</sup> 9:00 am to 5:00pm. Sunday, March 11<sup>th</sup> 10:00 am to 4:00pm.

The Klamath Rock & Arrowhead Club, its officers and appointee will not be responsible for any accident of loss that may occur to any exhibitor, his/her agent, or equipment at the show. Presentation of this **ENTRY** shall be deemed acceptance of this rule.

Exhibitor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Return to: Chuck Newnham  
4258 Altamont Dr.  
Klamath Falls, Or. 97603

Please return by March 5<sup>th</sup> 2012. For more information call Chuck @ 541 892 7486 or Email devosdad68@clearwire.net