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# The Council Reporter



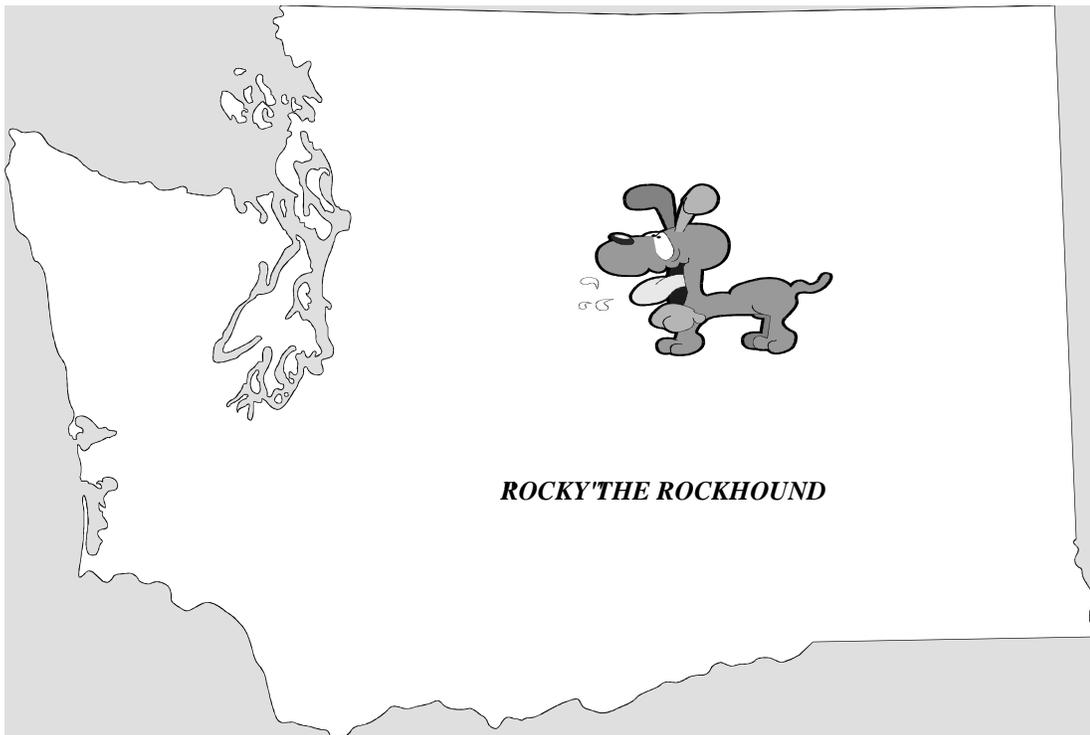
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**Official Publication of the  
Washington State Mineral Council**

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Wagonmaster	open		

**The West Side Board meets the third Tuesday of each month between Quarterly meetings, unless a meeting is specially called. Usually no meeting in July and December dependent on Board action.**

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**Washington State Mineral Council  
Meeting September 20, 2014  
Palace Café Ellensburg, WA.**

Meeting was called to order at 9:50 AM, by Stu Earnst in the absence of the President Perry Gulsvig. 10 representatives were in attendance

Treasurers report given by Kathy Earnst. The Hell's Canyon club paid their dues at the meeting.

**Old Business:**

Stu successfully obtained entry/use of the Walker Valley pit for a reporter from KING 5 News. She was doing a story about a child (boy) up for adoption. On or around the Fourth of July, he met with the KING 5 film crew and the reporter while they recorded the boys rockhounding. The DNR ranger was very helpful and prompt.

Bob Pattie received a "complaint" that a "past member" received a ticket while parked outside the gate at Walker Valley. It was neither confirmed or disproved whether the person had purchased a Discover Pass. The moral to the story is: Purchase a Discover Pass, for the year or day, anytime you are rock collecting on DNR or Game Department lands or you will be issued a ticket.

There will be a Moto Rally at Walker Valley on the second weekend of October. It would be best to avoid the area during this time.

Bob Pattie and Lisa were reported that a Rockhound Facebook group of about 130 people that expressed interest in joining the Mineral Council. We did not have a formal vote but the concern was: Unless the Facebook group has a structured "club" with group leaders, etc. we felt the Facebook group shouldn't join the WSMC.

A group of people were "kicked" out of Hansen Creek by people who claimed to be related to the owner of the claim, Don Higley. There was much discussion about who is the claim owner and if the "relatives" have a right to deny access to the claim, etc. The needs to be researched to determine the status of the claim, and who the current claimant is. The King County and BLM records should have this information.

The Mineral Council advises that it is the responsibility of the rockhound to determine the ownership and land rights on any property they plan to do any collecting. Educate yourself before you go collecting.

Jim Lanborn suggested that an article or informational page about "How to Stake a Claim" be posted by the WSMC as a courtesy to members. Bob Pattie agreed to create an outline and forward it to a couple people familiar with the process for input.

**October 21, 2014  
Westside Board Meeting  
AGENDA**

Opening of Meeting  
Treasurer's Report  
♦ Kathy Earnst  
Committee Reports  
♦ Wagonmaster -Ed Lehman  
Old Business  
New Business  
Open Comments

**Tentative Meeting Calendar for 2014**

West side board meetings:  
1/21, 2/18, 4/15, 6/17, 10/21

At 7:30PM at the  
Maplewood Clubhouse  
8802 196th St SW, Edmonds

General meetings :  
4/5, 5/3, 9/20, 11/1

All general meetings will be held at:

Palace Café  
4th & Main  
Ellensburg  
Meeting @ 9:30 AM

Dan Cease suggested that a club in King County volunteer to research the Hansen Creek claim. Vesta Bettinger will look into it, just as an informational exercise for the WSMC board.

No new updates concerning the White River Tree Farm. The land is eventually going to the Muckleshoot tribe, when it does, it will be a "no cutting" forest. Currently the land is being logged. This is where the prime thunder egg beds are located.

Bill 5402 has not moved out of committee. No new bills affecting rockhounds until January 2015.

Snoqualmie Recreational Area in North Bend notified Bob Pattie that they are almost finished with their report.

Naneum River State Forest Recreational Planning public meetings:

October 1 @ Kittitas County Fairgrounds  
October 2 @ Wenatchee Convention Center

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The DNR is holding meetings in September for input to develop trail policies.

Wagonmaster report:

Next field trips are 10/04 to Money Creek and 11/08 to Blanchard Hill.

The Sustainable Roads report is out for the Mount Baker-Snoqualmie National Forest.

The field trip planning meeting in November will start at 9 AM .

New business:

Stu said we will need a nominating committee for next year's officers.

Lolo Pass and the surrounding area is closed to all collecting

Please fact check your information before posting online or blogging.

Meeting adjourned,

Submitted by Vesta Bettinger, Second Vice President

### Bloodstone

by  
B. Jay Bowman

Bloodstone is a cryptocrystalline variety of quartz chalcedony. Chalcedony, although properly only belonging to some of the varieties, is generally used to describe all varieties of cryptocrystalline quartz. The hardness is just under 7 and specific gravity is around 2.60. The refractive index is 1.535 to 1.539. Chalcedony has no natural cleavage, and the natural luster is dull to waxy.

Bloodstone is semi-translucent, dark green with red spots, and not generally confused with any other gemstone. This stone is also known as heliotrope. It is unique in that it is always the same color with the only variation being the number and size of the spots of red.

Bloodstone lore includes the belief that the wearer can become invisible. This characteristic is mentioned by Dante in his *Inferno*, and it is also mentioned in the *Decameron* by Boccaccio. It has been said to stop nosebleeds and other bleeding, and is also good against poisons. It has also been said the heliotrope can guard the wearer against harm and makes the wearer loyal and true.

Bloodstone got its name in legend when a Roman soldier pierced Christ with a spear and some of the blood dropped on some jasper at the base of the Cross.

The heliotrope comes from the Greek Helios meaning sun and [trepein, meaning to turn]. It takes a very good polish and, according to Greek legend, would reflect the sun better than any other stone.

Via CMS Tumbler 09/14, via The Quarry, 3/14; via West Seattle Petroglyphs, 11-12/13; via Rocky Trails, 5/09; via Rock Rollers, 5/08; from Gem Cutters News, 3/08

### What are the most important types of rock in the crust of the earth?

Excluding the rocks between my ears, I'd have to say that basalt and granite have the honor of being the most important rocks in the crust. Basalt and granite actually have quite a bit in common. Both are igneous rocks, which means that they cooled from a magma (the earth gets very hot just below the surface, and there is lots of liquid rock available). Both are made up of minerals from the silicate group, so both have large amounts of silicon and oxygen. Both will hurt if you drop a big piece on your toe. But there are several important differences, too. These differences help define and explain how the earth works.

**Granite** is great stuff! Not only is it my personal favorite, it is without a doubt the most common rock type on the continental land masses. Yosemite Valley in the Sierra Nevada and Mt. Rushmore are two notable examples of granitic rocks. But granitic "basement rock" can be found just about everywhere east of the Rockies if you're willing to dig through the dirt and sedimentary rocks at the surface. Granite is intrusive, which means that the magma was trapped deep in the crust, and probably took a very long time to cool down enough to crystallize into solid rock. This allows the minerals which form plenty of time to grow, and results in a coarse-textured rock in which individual mineral grains are easily visible.

Granite is the ultimate silicate rock. As discussed elsewhere in greater detail, on average oxygen and silicon account for 75% of the earth's crust. The remaining 25% is split among several other elements, with aluminum and potassium contributing the most to the formation of the continental granitic rocks. Relatively small amounts of iron and magnesium occur, but since they have generally higher densities it's not surprising that there isn't very much in the granite. Due to the process of differentiation, most of the heavier elements are moving towards the core of the earth, allowing the silicon and oxygen to accumulate on the surface. And accumulate it has. Enough granitic "scum" has differentiated to the surface to cover 25% to 30% of the earth with the good stuff. We call this purified material felsic because of the relatively high percentage of silica and oxygen.

**Basalt** is extrusive. The magma from which it cools breaks through the crust of the earth and erupts on the surface. We call these types of events volcanic eruptions, and there are several main types. The volcanoes that make basalt are very common, and tend to form long and persistent zones of rifting in nearly all of the ocean basins. We now believe that these undersea volcanic areas represent huge spreading ridges where the earth's crust is separating. It's a lot like a cut on your arm, which will bleed until a scab forms. Basaltic magma is like the blood of the earth—it's what comes out when the earth's skin is cut the whole way through. As an eruption ends, the basalt "scab" heals the wound in the crust, and the earth adds some new seafloor crust. Because the magma comes out of the earth (and often into water) it cools very quickly, and the minerals have very little opportunity to grow. Basalt is commonly very fine grained, and it is nearly impossible to see individual minerals without magnification.

Basalt is considered a mafic silicate rock. Among other characteris-

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tics, mafic minerals and rocks are generally dark in color and high in specific gravity. This is in large part due to the amount of iron, magnesium, and several other relatively heavy elements which "contaminate" the silica and oxygen. But this heavy stuff really isn't happy near the surface, and will take any opportunity it can to head for deeper levels. The trick is to heat the basalt back up again so it can melt and give the iron another shot at the core. It wants to be there, and heat is the key which unlocks the door.

**As it turns out**, most of the ocean floor is basalt, and most of the continents are granite. Basaltic crust is dark and thin and heavy, while granite is light and accumulates into continent-sized rafts which bob about like corks in this "sea of basalt." When a continent runs into a piece of seafloor, it's much like a Mac truck running into a Volkswagen. Not very pretty, but at least there's a clear winner. And the seafloor basalt ends up in pretty much the same position as does the VW - under the truck (or continent, as the case may be). This may seem like a drag for the basalt, but remember that it isn't all that happy on the surface anyway, and this gives it the heat it needs to re-melt and try to complete the differentiation process which was so rudely interrupted at the spreading ridge. If successful and allowed to continue, what's left behind is a "purified" magma with most of the iron, magnesium, and other heavy elements removed. When it cools, guess what forms? And the continental land mass just got a wee bit larger.

From Ask GeoMan, via Stone Age News 08/14

Let's face it - English is a crazy language. There is no egg in eggplant, nor ham in hamburger; neither apple nor pine in pineapple. English muffins weren't invented in England or French fries in France. Sweetmeats are candies while sweetbreads, which aren't sweet, are meat. We take English for granted. But if we explore its paradoxes, we find that quicksand can work slowly, boxing rings are square and a guinea pig is neither from Guinea nor is it a pig.

And why is it that writers write but fingers don't fing, grocers don't groce and hammers don't ham? If the plural of tooth is teeth, why isn't the plural of booth, beeth? One goose, 2 geese. So one moose, 2 meese? One index, 2 indices? Doesn't it seem crazy that you can make amends but not one amend? If you have a bunch of odds and ends and get rid of all but one of them, what do you call it?

If teachers taught, why didn't preachers praught? If a vegetarian eats vegetables, what does a humanitarian eat? Sometimes I think all the English speakers should be committed to an asylum for the verbally insane. In what language do people recite at a play and play at a recital? Ship by truck and send cargo by ship? Have noses that run and feet that smell?

How can a slim chance and a fat chance be the same, while a wise man and a wise guy are opposites? You have to marvel at the unique lunacy of a language in which your house can burn up as it burns down, in which you fill in a form by filling it out and in which, an alarm goes off by going on.

English was invented by people, not computers, and it reflects the creativity of the human race, which, of course, is not a race at all. That is why, when the stars are out, they are visible, but when the lights are out, they are invisible.

From Boulder Buster 09/14

## Future Rockhounds of America Back in Session

The AFMS Future Rockhounds of America program hosted by the Yakima Rock & Mineral Club began Thursday, September 4, 2014. Both groups, Selah and West Valley locations, will be studying "Rocks & Minerals". Second year students will be working, also on their "Communications" badges, with third year students working on their "Leadership", "Communications", and "Legends & Lore" badges.

Both programs are full, so be sure and call ahead if you have not already registered (509-673-0085). We will not close enrollment except at the Selah location (and friends are always welcome to visit). The West Valley program is being held every First and Third Thursday, at 4 p.m. in Room 408 of the West Valley Church located at S. 72nd and W. Nob Hill Blvd. Parent participation is required.

Additional attendance is encouraged on Third Fridays of each month from 7-8 p.m. in the lower level meeting room of the Yakima Central Lutheran Church. Park and enter on the south side.

Any adult member that would like to help with our children's programs on Friday nights, daytime Thursdays, or with the schools program is invited, and should contact Dwayne, Bonnie or Darrell.

On another note, we would like to congratulate Walter Watkins and Nicholas Watkins for their success at the NFMS Convention in Hermiton. Nicholas was awarded, in his age group, the NFMS Junior Achievement Award for his outstanding activities as a member of the Yakima Rock & Mineral Club, Inc. and Trophy #32 Junior for his fossil display. Walter was awarded, in his age group, the NFMS Junior Achievement Award for his outstanding activities as a member of the Yakima Rock & Mineral Club, Inc. and Trophy #2 Junior for his mineral display. Way to go, Juniors!

These competitions are not for the faint of heart; as competition is stiff, and judging is accurate and fair. It is a wonderful learning opportunity and the mentoring is phenomenal. Plans for these two young men to compete in Utah are already underway. Will some other Juniors join the fun? Let us know if your child would like to participate.

Bonnie Connel, Darrell & Ronna Watkins; Junior FRA Leaders

From Yakima Rock & Mineral News 09/14

## WSMC FIELDTRIPS 2014 ( Will be updated—see mineralcouncil.org )

The Washington State Mineral Council plans guided fieldtrips to collecting sites. Open to member clubs, and the general public. Most trips are free. Included will be Pow Wow trips (must join to go on trips). Host clubs and contact persons will be set up as I gather info. For now, go to mineralcouncil.org for updates, or contact Ed Lehman @ wsmced@hotmail.com , or home (425) 334-6282 cell (425) 760-2786.

Date	Host	Site	Meeting place and time	Material	Tools
01/18	Kit	Beaver Valley	10:30 @ info Center BeaverValley Rd	Chert & Zeolites	Hard rock tools
02/15	Msvl	Cedar Ponds	9:00 @ Monroe Jack n Box	Jasper	Dig & Lt hard rock tools
03/15	Msvl	Cherry Creek	9:00 @ Duval Safeway	Jasper	Dig, Lt hard rock, wading
04/12-13	POW	Saddle Mt Mattawa, WA	8:00 @ boat launch	Petrified wood	Dues required \$7.50/each \$15/family
04/19	MtBkr	Racehorse Creek	9:00 @ IGA @ Nugents Corner	Fossils	Dig & Lt hard rock tools
05/17	Elb	Saddle Mt	9:00 @ Mattawa Leprechaun Market	Petrified wood	Dig, Lt hard rock
06/01	<b>Canceled</b>	Tunk Creek, Riverside, WA	9:00 @ store (park)	Thulite -\$1 #	sm sledge hammer
06/14	Spk	Emerald Creek	9:00 @ Emerald Creek Star Garnet Area, Idaho	Star garnet	Tweezers
06/25-29	POW	Madras, OR	8:00 @ Fairgrounds see dues above	Petrified wood, agate, jasper, T-Eggs -\$1 #	
07/13	Spk	Lolo Pass	8:00 @ Lolo Hot Springs	Smokey quartz	Dig, Lt hard rock
07/19	Msvl Darrington	Darrington Rock Show	11:00	Travertine	Hard rock tools
08/02	Shltn	Salmon Creek	I-5 Park & ride in Toledo	Agate, petrified wood, pseudo coprolites	Wading
08/16/	NWOS	Greenwater	9:00 @ Enumclaw Ranger Station	Agate, Jasper	Dig, Lt hard rock
09/6-7	POW	Red Top	8:00 @ camp (W fork M fork jct) Dues, see above	Agate, geodes, jade, jasper	
09/13	NWOS	Little Naches	9:00 @ Enumclaw Ranger Station	Thunder-Eggs	Dig, Lt hard rock
10/04	Msvl	D.P. Mine & H.T. Creek	9:00 @ Money Creek Camp	Ore, picture Jasper	Lt hard rock, light
11/08	MtBkr	Blanchard Mt	9:00 @ I-5 240 exit gas Station	Stilpnomelane & Chert	Hard rock tool

**Host Club Contact Info**

Kit = Kitsap M & G Soc— T B D

Msvl = Marysville R & G Club - Ed Lehman wsmced@hotmail.com (425) 334-6282 or (425) 760-2786

MtBkr = Mount Baker R & G Club—Kris Menger @ (360) 927-0994 kmenger@comcast.net

Elb = Ellensburg R Club—Steve Townsend—(509) 933-2236 srtrocks@aol.com

Spk = Spokane Rock Rollers—Mike Shaw—(509) 244-8542 mikeshawmoose@yahoo.com

NWOS = Northwest Opal Soc—Tony Johnson—(253) 863-9238

This is just a work in process. Participants please respond for corrections and updates.

Thanks, Ed

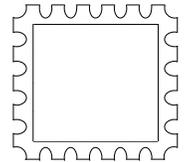
## Local Area Shows for 2014

October 2014 4th 10am - 6pm 5th 10am - 4:30pm	Springfield Thunderegg Rock Club	Annual Show	Guy Lee Elementary School 755 Harlow Road Springfield OR
October 2014 4th 9am - 6pm 5th 10am - 5pm	Hellgate Mineral Society	Missoula MT Gem and Mineral Show featuring Fossils	Hilton Garden Inn 2730 North Reserve St. Missoula MT
October 2014 10th 10am - 6pm 11th 10am - 6pm 12th 10am—5pm	Portland Regional Rock and Gem Show	34th Annual	Washington County Fair Complex 873 NE 34th AVE Hillsboro, OR
October 2014 11th 10am - 5pm 12th 10am—5pm	Marysville Rock and Gem club	40th Rocktoberfest	Totem Middle School Cafeteria 7th Street and State Avenue Marysville WA
October 2014 10th—12th	Pacific NW Friends of Mineralogy	40th Annual Symposium Minerals of Colorado	Red Lion Hotel Kelso, WA
October 2014 18th 10am - 6pm 19th 10am - 5pm	Hell's Canyon Gem Club	48th Annual Show Gemstones, Carvings, & Jewelry From Around The World	Nez Perce County Fair Building 1229 Burrell Avenue Lewiston ID
October 2014 25th 9am - 6pm 26th 10am - 5pm	Clackamette Mineral & Gem Club	50th Annual show	Clackamas County Fairgrounds 694 NE 4th Ave Canby, OR
October 2014 25th 10am - 6pm 26th 10am - 5pm	Bellevue Rock and Gem club	Annual show	Vasa Park 3560 West Lake Sammamish PKWY SE Bellevue, Washington 98008
November 2014 8th 9am - 5pm 9th 10am - 5pm	Skagit Rock and Gem club	"Treasures of the Earth" Annual Rock and Gem Show	Sedro Woolley community Center 700 Pacific Street Sedro Woolley, WA
November 2014 8th 9am - 5pm 9th 10am - 5pm	Maplewood Rock and Gem Club	Annual Fall Show	Maplewood Rock and Gem Clubhouse 8802 196th ST SW Edmonds WA
December 2014 6th 9am - 6pm	Maplewood Rock and Gem Club	Annual Winter Bazaar	Maplewood Rock and Gem Clubhouse 8802 196th ST SW Edmonds WA
February 2015 7th 9am—5pm 8th 9am—4pm	Whidbey Island Gem Club	50th Annual Sweetheart of Gems Show	Oak Harbor Senior Center 51 SE. Jerome Street Oak Harbor, WA
February 2015 21st 10am—6pm 22nd 10am—5pm	Idaho Gem Club	Annual show Adults \$3.00 Children 12 and under free	Expo Idaho 5610 Glenwood Boise ID 83714
March 2015 14th 9am - 5pm 15th 9am - 5pm	Magic Valley Gem Club	64th Annual Show	Twin Falls County Fairgrounds 215 Fair Ave. east of Filer on US Hwy. 30
March 2015 27th 10am – 6pm 28th 10am – 6pm 29th 10am – 4pm	Rock Rollers Club of Spokane	56th Annual Gem, Jewelry and Min- eral Show	Spokane County Fair & Expo Center N.604 Havana Spokane WA

Westside Board Meeting  
October 21, 2014  
7:30 PM

**Maplewood Clubhouse**  
**8802 196th St SW**  
**Edmonds**

COUNCIL REPORTER, Monthly publication of The  
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WASHINGTON STATE MINERAL COUNCIL  
27871 Minkler Road  
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