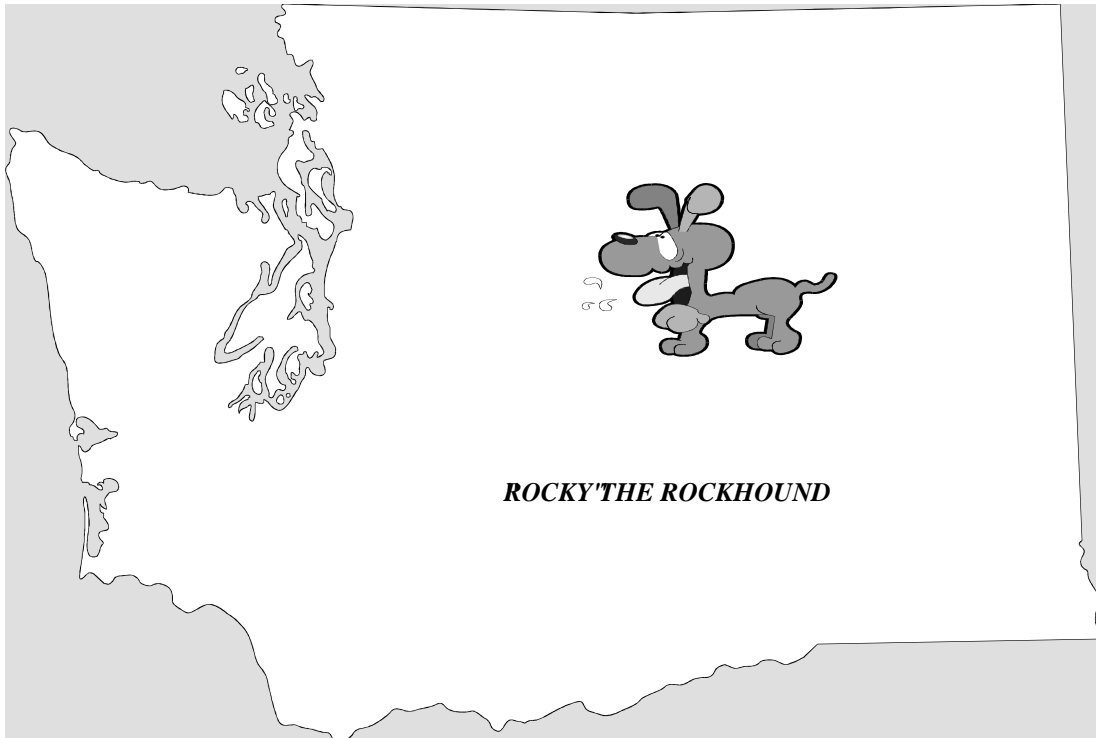

◆ **The Council Reporter** ◆

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

**WASHINGTON STATE MINERAL COUNCIL
2014 OFFICERS**

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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 May 5, 2014
Palace Café Ellensburg, WA.**

Meeting was called to order at 9:45 AM, by Bob Pattie in the absence of the President, 1st VP, and 2nd VP.

Treasurers report given by Kathy Earnst

Wagonmasters report given by Ed Lehman
May 17 Diatom Pit and Saddle Mt, 9:00 AM at Mattawa

June 1, jade trip to Darrington to Ed's Jade mine, best to bring a bag that you can drag out, \$5/lb., 50 cents a lb. on what you can't carry out and have chopper take out at end of season.

July 19-20 Darrington Show 11:00 Am field trip for travertine .

Ed said the last field trip to Racehorse Creek there were no mushrooms but lots of fossils.

Currently Hwy. 530 to Darrington is only open to locals and commercial vehicles. If you plan to go to Darrington use Mt. Loop through Granite Falls. There will possibly be a trip to China Hollow in June or July.

The East side box of minerals will be left at Ellensburg Rock and Bead Shop with Steve for those who need to borrow it..

Lisa Bishop Waters arrived at 9:55 AM and conducted the rest of the meeting.

Map books are still available.

Regarding Walker Valley, Stu Earnst says Lease agreement is good. The lock on the gate after June will be gone, then will later check to see if any damage etc. has increased. Any club that has an organized trip going is to contact Stu by e-mail or phone two weeks in advance with number of people and he will to put lock back on gate for that day so will have pit without extra groups on site. If go up by self don't block gate, you can park down below.

A motion was made and seconded to cover the difference in the cost of the lease over \$500 per year for five years. The lease will be the same as Last time \$618.74 per year. Motion passed.

They (DNR) are to be notifying Stu when they will be blasting, and the guard at the gate will be working with us. If anyone is seen dumping junk , partying or shooting guns call 911. If garbage is there pick it up and put it where DNR can pick it up and tell them where it is. Gate is up next to pit now, with only room to park two cars and barely room to turn around.

The newsletters were mailed late as Bob Pattie was out of town. Also new seals were needed for the newsletters as P.O.

**September 20, 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

rules have changed . He also says it will probably be June before they can meet with new DNR head in Olympia.

Some of Snohomish Co. gold panners are considering joining Mineral Council. Mineral Council dues are still \$.75/adult, kids are free.

Meeting adjourned 10:25 AM
11 members present.

Respectively submitted
Secretary
Diane Myers

Elemental Copper - Mineral Of The Month
by Dave Jacobson

This month we will take a look at one of the native elements, copper (Cu), which is the mineral in it's native metallic form.

(Continued on page 4)

(Continued from page 3)

Native copper will commonly form in volcanic basalt by the reaction of copper bearing solutions with the iron oxide minerals in the basalt. It also forms in hydrothermal replacement deposits and by chemical processes in the oxidation zone of sulfide deposits. Some native copper can usually be found in copper mining areas. Other associated minerals are silver, calcite, malachite and other copper minerals. A specimen containing both native copper and silver is called a "half breed". Some of the finest specimens in the USA come from the Keweenaw Peninsula in Michigan. Other notable occurrences in the USA include Arizona and New Jersey.

Native copper is in the isometric crystal system although individual crystals are rare. When crystallized the shapes are usually cubes and octahedrons. It is usually found in masses, wires, dendrites and other arborescent or branching forms. Sometimes recognizable crystal faces are visible on the outer surfaces of massive native copper.

Color is typical copper coloring with some specimens tarnished in varying shades, primarily green. It has a metallic luster. Streak is reddish copper. Hardness is 2.5 to 3. Specific gravity is 8.9+. Native copper is ductile which means it can be beaten, pounded and shaped.

Native copper is a minor copper ore since it is rarely found in large enough quantities to make it worth mining. Other copper ores are more economic to mine and refine in producing copper. I speculate that in the early days of mining history native copper was more important ore of copper than it is now. Native copper is primarily used as a mineral specimen.

Copper takes its name from the Greek Kyprios, referring to the Island of Cyprus, a site of ancient copper mining.

I used the following reference materials in preparing this article. Field Guide To Rocks And Minerals by Frederick H. Pough. Mineralogy For Amateurs by John Sinkankus. Simon & Schuster's Guide to Rocks And Minerals. The Audubon Society Field Guide To North American Rocks and Minerals. Amethyst Galleries Mineral Gallery on the internet (<http://mineral.galleries.com>).

via CMS e-Tumbler 06/14, via The Quarry, 12/12; from Canaveral Moonstone, 11/12

Washington State Mineral Council West Side Board Meeting June 17, 2014

Members present; Glen Morita, Bob & Jackie Pattie, Ed Lehman, Jim Miller, Brad Johnson, Diane Myers. In the absence of other officers Brad Johnson conducted the meeting. It was called to order at 7:35PM

There was no Treasurers report.

Brad reported the Everett Show was well attended and people liked the Mineral Council rock display.

Bob Pattie reported there were enough volunteers to get Lisa's rocks moved to her new home. Bob Pattie said they also have put Bill Cooks' rocks in storage. There was a brief discussion of the large amount of estate rocks currently available.

Glenn said he was recently notified of the death of Vi Jones of the Skagit Rock and Gem club and the North Puget Sound Faceters Guild.

Ed Lehman will lead the Salmon Creek trip August 2. He also said there was ample material to collect on the recent Cherry Creek trip. Near Cedar Ponds some leaf fossils in shale have been replaced by pink jasper. There will be travertine and serpentine on the Saturday field trip leaving from the Darrington rock show. Hwy 530 will be open to two way traffic. Ed also will be going to the Lolo Pass trip the week before.

The price for Walker Valley has been raised from the previously reported \$615.74 to almost \$700.00 for five years. Ed said Stu told him the lock was still on the gate.

Bob Pattie reported there will be an open house on June 26 from 5:30 - 8:00 pm at the Swauk Teanaway Grange in Cle Elum for input to forest use of the new Teanaway Community Forest.

Access to the Middle Fork (of the Teanaway) will be delayed due to road construction. The same is true for Yellow Hill and the West Fork until July 10. Replacing the Jungle Creek culvert will have that road closed from July 21 to August 31.

Bob also has the recreation rules for the Teanaway Community Forest. He will have updates at the September meeting. He is still waiting for news on the Whiskey Dick area.

Ed says they are still doing fee trips up to his jade mine \$100 a person per day for all you can safely carry out. Groups of five or more \$75 per person. It is a strenuous 1.5 mile trip up to the camp.

The meeting was adjourned at 8:30 PM.

Respectively submitted

Diane Myers, Secretary

Safety Matters

by Ellery Borow, Safety Chair AFMS Newsletter
May-June-July 2014

The Eyes Have It – They do! The eyes have it all!

(Continued on page 5)

(Continued from page 4)

They give us depth perception, amazing colors, pattern perception in that pretty jasper slab -- our eyes draw back the curtain on our window to the world. Judging by experiences with all manner of rock and mineral collecting, it appears that the vast majority of our field identification of minerals and rocks is performed by visual means alone. Indeed, we use our eyes to judge the mating of facets on that stone we are cutting, to lay out the cabochon template on that pretty slab of jasper, to follow the visual clues of the trail as we hike to that long lost rock quarry. There is an endless variety of how we use our eyes in our hobby. Our eyes allow us to enjoy many areas of our rock, mineral, fossil hobby that we might otherwise be unable to pursue.

So, why do I see so many folks pursuing the hobby without protection for the valuable resource that is their vision? I see folks hammering rock, grinding stones, working in dusty environments, spending hours in the blindingly bright sunlight -- all without benefit of suitable eye protection. It seems strange that folks would so risk the precious gift of sight.

I have heard numerous reasonable sounding arguments as to why protection was not being used during vision-risking tasks. Excuses such as "my goggles were accidentally left home", "the goggles' elastic straps are worn out and no longer hold them in place", "the goggles are too scratched or hazy to see through", "the goggles were run over by a truck", "the lenses keep falling out", "they are uncomfortable to wear", and other excuses too numerous to list.

Well, trust me on this one, there are numerous solutions to these problems. Goggles are cheap (relative to the cost of eye surgery or vision loss). Lots of places sell goggles. Most hardware, grocery, department stores sell them. One does not need to visit a rock shop to find goggles. Please consider keeping an extra pair or two on hand.

There are replacement lenses available for many styles of goggles. New and replacement goggle straps can be made from elastics found in sewing, fabric and yard goods stores. Store goggles in a protective box or case and keep them in the collecting bag so they are not inadvertently left home. Goggles are ill-fitting? There are numerous goggle styles. Visit a store and try on various kinds to locate ones you find comfortable.

Can't find well-fitting goggles? There are other ways to protect one's eyes such as

face shields, prescription safety glasses, safety glasses that fit over one's own regular prescription glasses, and aviator style goggles -- among others.

Please consider protecting your precious gift of sight. We also hope you use that precious gift to keep reading these safety matters columns. Your safety matters.

via The Petrified Digest, 06/14, Fr. Rock Chips, Stockton Lapidary and Mineral Club, June 2014)

Free Admission—Free Prizes—Free Rocks

Darrington's Rock & Gem Show & Sale

July 19th & 20th 10 to 5

Mansford Grange 1265 Railroad Ave. Behind IGA
Displays & Demonstrations

New WA picture Jasper



Kids Activities
Jade Displays—Raffle
Door Prizes
Rock Collecting Maps
Used Tools
Custom Rock Cutting
Dealer Certificates
Free Rocks

Saturday 11:00
Collecting Field Trip
For Travertine



Highly Skilled Amateur Dealers No Commercial Dealers

For More Information Contact :

Ed Lehman wsmced@hotmail.com H-(425) 334-6282 C- (425) 760-2786

Angela Moore angela517@frontier.com H- (360) 436-2107

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	Canceled	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

July 2014 19th 10am—5pm 20th 10am—5pm	Darrington Rock and Gem show		Mansford Grange 1265 Railroad Ave (behind IGA) Darrington, WA
July 2014 18th 10am—5pm 19th 10am—5pm 20th 10am—4pm	Lower Umpqua Gem & Lapidary Society	Treasures from the Earth Rock and Gem Show	Reedsport Community Building 415 Winchester Avenue Reedsport OR
July 2014 25th 9am—6pm 26th 9am—6pm 27th 9am—5pm	Washington Agate and Mineral Society	Rock and Gem show during Oregon Trail Days	Parkside Elementary School 301 Central Avenue E (corner of Central Avenue and Stage St. South) Tenino WA 98589
August 2014 8th 10pm—4pm 9th 10am—4pm 10th 10am—4pm	Far West Lapidary & Gem Society	52nd Annual Gem and Mineral Show	North Bend Community Center 2222 N. Broadway North Bend, OR
August 2014 15th 10pm—6pm 16th 10am—6pm 17th 10am—4pm	Hatrockhounds Gem & Mineral Society	2014 NFMS Show and Conference	Hermiston Conference Center 415 S. Hwy. 395 Hermiston, OR
August 2014 16th 9am—5pm	Shelton Rock and Mineral Society	5th Annual Tailgate Rock Sale and Swap Meet Tailgate space \$15 preregistration, \$20 on site	Shelton Soccer Park 2102 E Johns Prairie Rd Shelton, WA To register, send check or money order to Shelton Rock and Mineral Society, PO Box 242, Shelton, WA 98584, with name, ad- dress, and email address
September 2014 13th 10am - 5pm 14th 10am - 5pm	Marcus Whitman Gem and Mineral Society	Annual Gem and Mineral show	Walla Walla County Fairgrounds Community Center Building 363 Orchard St. Walla Walla WA
September 2014 20th 9am - 6pm 21th 10am - 5pm	Southern Washington Mineralogical Society	Annual show	Castle Rock Fairgrounds A Street 120 Fair Lane Castle Rock, WA
September 2014 27th 9am - 6pm 27th 10am - 5pm	Clackamette Mineral & Gem Club	50th Annual Show	Clackamas County Fairgrounds 694 NE 4th Ave Canby, OR
September 2014 27th 9am - 5pm 27th 10am - 4pm	Billings Gem and Mineral Show	Annual Show	Billings Hotel and Convention Center 1223 Mallowney Lane Billings MT
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

Westside Board Meeting
September 20, 2014
7:30 PM

Maplewood Clubhouse
8802 196th St SW
Edmonds

COUNCIL REPORTER, Monthly publication of The
Washington State Mineral Council

WASHINGTON STATE MINERAL COUNCIL
27871 Minkler Road
Sedro Woolley, WA. 98284

