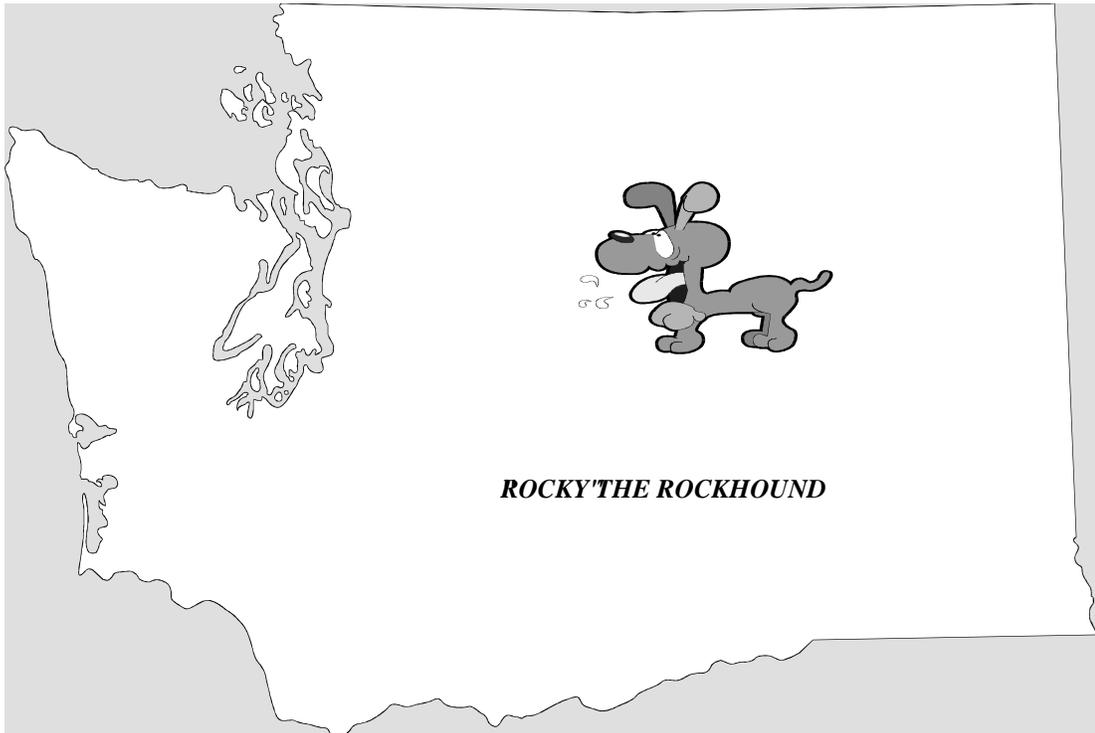

◆ **The Council Reporter** ◆

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February 2014



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Washington State Mineral Council**

**WASHINGTON STATE MINERAL COUNCIL
2013 OFFICERS**

OFFICERS

President	Perry Gulsvig	sparry08@comcast.net	(509)290-1355
VP	Brad Johnson	cavemanrocks@yahoo.com	(206)403-3073
2nd VP	Michael Shaw	mikeshawmoose@yahoo.com	(509)244-8542
Secretary	Diane Myers	myersdiane1618@yahoo.com	(360)427-1569
Treasurer	Kathy Earnst	earnstkk@comcast.net	(360)856-0588
Imm Past Pres:	Andy Johnson	cbagates@hotmail.com	(509)546-1950

TRUSTEES --- EAST SIDE

Steve Townsend	srtrocks@aol.com	(11-12-13)	(509)-933-2236
Howard Walter	1 S. 56th Ave, Yakima, WA 98908-3107	(12-13-14)	(509) 972-3437
Dale Geer	P.O. Box 34, Moxie, WA 98936	(12-13-14)	(509) 248-6975
Krisanne Gray	E. 1012 Indiana Ave., Spokane, WA 99207	(11-12-13)	(509) 701-3519
Dave Mastin	davemastin@yahoo.com	(13-14-15)	

TRUSTEES --- WEST SIDE

Gordon Lyons	gordlyo82@gmail.com	(13-14-15)	
Tony Schackmann	werocon@inlandnet.com	(13-14-15)	(360)372-2777
Stu Earnst	27871 Minkler Road Sedro Woolley, WA 98284	(12-13-14)	(360) 856-0588
Bob Pattie	4316 N. E. 10th, Renton, WA 98059	(12-13-14)	(425) 226-3154
Glenn Morita	4528 152nd Pl SW, Lynnwood, WA 98087	(11-12-13)	(425) 743-6249
Lisa Bishop Waters	lisa9905@msn.com	(11-12-13)	(206) 371-1810

STAFF

Editor	Glenn Morita	4528 152nd Pl SW, Lynnwood, WA 98087	(425) 743-6249
Historian	Jackie Pattie	4316 N. E. 10th, Renton, WA 98059	(425) 226-3154
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.

MAILING ADDRESS

Washington State Mineral Council
27871 Minkler Road
Sedro Woolley, WA 98284

WEB PAGE ADDRESS

<http://www.mineralcouncil.org>
Editor's e-mail address
gmorita@seanet.com

West side meeting minutes 02/18/14

The meeting was opened by Stu Earnst at 7:30pm

Kathy read the treasurer's report.

Wagonmaster report:

Ed reported that about 18 people attended the field trip to Cedar Ponds and that everyone was able to find material. He also reported that a new vein of jasper was found. The next filed trip will be to Cherry Creek.

Ed has submitted an updated list of field trips. A few details still need to be worked out.

Nominating committee:

Vesta Bettinger has accepted nomination for 2nd VP so this leaves an opening for a West side trustee.

Old Business:

Patty Murray's bill to add more of the Olympic Forest to the national park is still in committee.

New business:

The Walker Valley lease is up for renewal. The last lease was for 10 years, this one is also a 10 year lease.

Bob Pattie reported on some legislation that could affect our ability to collect on federal land.

Congressman Doc Hastings has introduced a bill that would make the default state of Forest Service roads open as opposed to the current situation where roads are considered closed unless posted otherwise.

Senator Kay Hagan has introduced SB 1660 which could improve access to federal lands.

Bob also reported that Teanaway Community Forest advisory committee is in the process of being selected. For more information go to the website:

http://www.dnr.wa.gov/BusinessPermits/Topics/OtherLandTransactions/Pages/amp_teanaway.aspx

Meeting adjourned,
Submitted by Glenn Morita
Secretary, Pro-Tem

**Report on U.S. House of Representative Bill
(HB- 3590)**

By Bob Pattie

HB 3590's full name is the Sportsmen's Heritage And Recreational Enhancement Act and it was pass on February 5, 2014 by a vote of 268-154. This bill is primarily about hunting, fishing, and target shooting on public Federal Land (BLM and

**April 5, 2014
Combined Board Meeting
AGENDA**

- Pres. Opening of Meeting
- Treasurer's Report
 - ◇ Kathy Earnst
- Committee Reports
 - ◇ Wagonmaster
- Old Business
- New Business
- Open Comments
- Adjourn

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

Forest Service lands). As part of this Bill (Section 800) requires the federal lands be kept open unless specifically closed for a specific reason as listed in the bill. It does state that closure will be necessary for any area of 640 acres or more. This bill changes the current requirement of the lands are close unless some action has taken to keep a road or area open. I simple words, currently roads are closed unless there is a sign that states it is open and this bill changes that to all roads are open unless they are signed for closure. Also, it states that once a year the agency effected must provide a report to on all areas that have been closed and the reasoning for the closure.

The Senate Bill 1660 called "SPORT Act" has been read twice and then referred to the Committee on Environment and Public Works but there has been no roll call vote at this time.

There have been a number of other HB and Senate bill relating to this subject, many of them a hold over from last years' congressional year.

I would suggest everyone that has an interest in this bill to look
(Continued on page 4)

(Continued from page 3)

it up on the web (just google HB 3590 and be sure you have the 113 congressional) to read the full bill and related bills. I would also like to suggest that you log onto the Washington State Department of Natural Resources and follow along on their various projects such as the Teanaway Community Forest, volunteer work parties, and many other projects.

Beaver Valley (Port Townsend) Field Trip Report

Our club joined the Mineral Council for their January field trip to Beaver Valley. Frank Siranni, and his son Sean, Eva Summers, Amy Summers, and Grandson Julian Leigh, Kathy and Woody Woodside were the members from our club that attended. Rockhounds from as far away as Amboy came for the trip, although we represented about half the total.

The Beaver Valley quarry is especially noted for native copper, Zeolites, and colourful chert. A young man from Amboy found a small piece of native copper, a large number of zeolites in geodes were found, some of which were lined with a druse of black crystal with a sprinkling of larger clear rounded edge crystals about 1/4" in size.

Quite a few pieces of the colorful chert were found, but nothing of any size, since the quarry has not been blasted in quite some time.

The day was just about perfect weather wise, being warm to cool, no rain, and clear. We seldom get weather this nice for a field trip in January.

Woody Woodside
From Hard Rock News, 02/14

Zeolites of the World by Rudy Tschernich Free Copy by Download

If you are interested in learning more about these fascinating minerals, you can get a free copy of one of the best books on the subject: Zeolites of the World by Rudy Tschernich. Rudy, who is from Snohomish and a former member of the now defunct Snohomish Rock and Gem Club, is also the most recent curator of the Rice Museum.

Mindat has been authorized by Rudy to distribute a scanned version of his over 500 page book for free.

Here is the link with the explanation and the download link.

<http://www.mindat.org/article.php/507/Mindat%27s+15th+Birthday+and+a+present+for+everyone>

Note that it is a large pdf file so you may not want to try to download it if you are on a dialup connection.

From Stone Age News, 02/14

Remarkable Trace Fossil Found Near Woodland Park May Hold Clues to an Ancient Sandstone by Steven Wade Veatch and Zachary Sepulveda, CSMS

Winding into the mountains, U.S. highway 24 closely follows the Ute Pass fault, a major fault that separates the Rampart Range from the Pikes Peak massif and the rest of the Front Range. Starting southeast of Cheyenne Mountain, the Ute Pass fault can be traced for about 60 miles, and heads north along state highway 67 beyond Woodland Park. The fault zone is relatively wide and filled with broken and fractured rocks that create the course of Fountain Creek in Ute Pass.

There are at least three resistant ridges made up of sandstone exposed along Ute Pass and in the Woodland Park area. These can be thought of as "fault slices" of a sandstone rock unit "jammed" in Pikes Peak Granite during past movements of the Ute Pass fault. The sandstone rocks are called "injectites" by a number of geologists to describe this remarkable formation. Generally, the color of the injectites is reddish or maroon, but some of the weathered injectites have a buff discoloration on weathered surfaces that is related to the iron oxide cement present in the sandstone.

Today the injectites remain a source of much scientific debate. This was thought to be a sandstone unit called the Sawatch Sandstone that was deposited during the Paleozoic Era in the Cambrian Period when there was an explosion of multicellular life. Geologists give names to units of rock that were formed generally in the same way at the same time so they can talk about them and map them. Upon closer examination, it is clear this is probably not Sawatch Sandstone. During a recent field trip attended by seven geologists studying these features in Woodland Park, the scientists began to consider this sandstone was perhaps pre-Cambrian, formed at a time before there was multicellular life on Earth. During the intense and concentrated discussion during this field trip, the scientists considered it a distinct possibility this sandstone was laid down before larger life forms were present; Steve Spence, a geology student at Pikes Peak Community College, climbed a steep slope of this enigmatic sandstone while the geologists were fervently debating. He came back down with an object he had never seen before and brought it to one of the authors (Veatch) and said, "What is this unusual looking thing?"

Veatch knew exactly what it was, it was a trace fossil of a larger, multicellular creature that once crawled its way through the

(Continued on page 5)

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wet and moist sand millions of years ago. This large trace fossil put the primordial sandstone back in the Paleozoic when there were large, multicellular organisms.

Trace fossils, also known as ichnofossils, are a very important kind of fossil, they record behavior exhibited by prehistoric creatures. They are formed by animals performing actions, rather than animals dying and being preserved in sediment. For instance, a trace fossil might be formed by a worm burrowing its way through the sand, leaving a trail that gets preserved for all of eternity; or a dinosaur traveling to its nesting site and leaving a trail of footprints in deep mud. The term trace fossil may also include other things like remnants organisms left behind, for example, egg shells or coprolites (scat or droppings). Trace fossils leave us with indirect evidence of how past animals lived their lives and how they may have behaved.

Footprint fossils can give us insight not only into the behavior of prehistoric animals, but also into their physical attributes. By looking at footprints we can determine the size, speed, and weight of the animal creating the print. Trace fossils are a valuable source of information on prehistoric animals' behavior and biology.

This is a good example of how science works, and how something can change like the name and age of a sandstone unit. Geologists for decades thought it was the Sawatch Sandstone, and now geologists do not know what the name of the sandstone is or the age of it. Now science has a trace fossil from Woodland Park to add to the understanding of this puzzling sandstone. Scientists will soon probe the mysteries of this ancient sandstone embedded in Pikes Peak Granite and hopefully assign a name and age to it.

About the authors:

Steven Veatch is from a descendant from Cripple Creek miners who mined in the Cripple Creek and Victor Mining District from 1892 to the late 1930s. He teaches the Pikes Peak Pebble Pups to become responsible rock hounds, writers, poets, and scientists.

There is a Pikes Peak Pebble Pup unit in Lake George, Colorado.

Zachary Sepulveda attends Palmer Ridge High School in Monument, Colorado. He is from Southern California, and has always been interested in geology, paleontology and biology. He is looking forward to making a meaningful contribution to the field of science. His other interests include creative writing and drawing. Some of his poetry and drawings have been published in magazines such as Deposits and in local newspapers. He wrote and published a scientific article with Steven Veatch about a Florissant fossil spider discovery. Zachary is a member of the Colorado Springs Mineralogical Society (CSMS) and participates actively in the Pebble Pup/Junior program. He is also a member of the Colorado Scientific Society.

from Rocky Mountain Federation News, 9/13, via The Tumbler, 02/14

Spodumene

Lawrence H. Skelton
Wichita Gem & Mineral Society

Spodumene is a mineral with which gem aficionados may not be familiar. In some references, spodumene is synonymous with triphane. What is it? Spodumene is a lithium aluminum silicate, $\text{LiAlSi}_2\text{O}_6$, that in addition to being a commercial ore of lithium, also forms the comparatively rare gemstones, kunzite, hiddenite and triphane.

The name spodumene is derived from the Greek *spodumenos* meaning "burnt to ashes," a term referring to the ash-gray color of the common mineral. It crystallizes in the monoclinic crystal system, has specific gravity of 3.1 to 3.2 and Mohs hardness ranging from 6.5 to 7.0. It is found only in granite pegmatites and is associated with lepidolite, quartz, plagioclase feldspar, tourmaline and topaz. Spodumene displays perfect prismatic cleavage and parting forming near right angles (87° and 93°), typical of the pyroxene mineral group to which it belongs. The cleavage and parting make it particularly difficult to facet and easily broken when mounted in rings and other jewelry that may be subject to accidental striking. Much gem spodumene, particularly kunzite and triphane are prone to fading under lengthy exposure to light.

Commercial spodumene is an important ore of the metal lithium. Hiddenite, the pale to emerald-green variety of spodumene, until recent years was found only in Alexander County, North Carolina. It first was found in 1879 by William Earl Hidden (1853–1918), a mineralogist and geologist, who was prospecting for platinum. He sent specimens to a chemist in Louisville, Kentucky who identified as a variety of spodumene and named it in honor of Hidden.

Hidden later purchased the property upon which the green mineral occurred. It has now been recovered from pegmatites in the Black Hills of South Dakota and in Altai Mountains in northwestern China, in Madagascar and in Minas Gerais, Brazil. Pale yellowish-green Hiddenite is colored by trace amounts of ferrous iron and the emerald green variety owes its hue to small quantities of chromium. Kunzite, a lilac-colored spodumene, is named in honor of George Frederick Kunz (1856–1932), a self-taught mineralogist and collector who was the resident Gemologist for Tiffanys, the New York City jewelers and who was responsible for much of the mineral collection possessed by the New York Museum of Natural History. Kunzite was first discovered in 1903 in pegmatite mines of the Pala District of San Diego County, California.

Via Stone Age New 03/14, from Quarry Quips Vol. 61 issue 11

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 @ Matawa 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

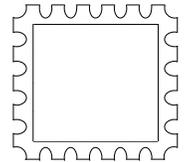
Local Area Shows for 2014

March 2014 7th 9am - 5pm 8th 9am - 5pm 9th 10am - 5pm	Tualatin Valley Gem Club	Annual Show	Washington County FairPlex 873 NE 34th Ave. Hillsboro, OR.
March 2014 8th 9am - 5pm 9th 9am - 5pm	Magic Valley Gem Club	Annual Show	Twin Falls County Fairgrounds 215 Fair Ave. east of Filer on US Hwy. 30
March 2014 15th 10am - 5pm 16th 10am - 5pm	North Seattle Lapidary & Mineral Club	60th Annual Rock and Gem Show	Lake City Community Center 12531 28th Ave. NE, Seattle
March 2014 15th 10am - 6pm 16th 10am - 4pm	Northwest Montana Rock Chucks	7th Annual Rock and Mineral Show	Flathead County Fairgrounds Grandstand Bldg. 265 N. Meridian Rd Kalispell, MT
March 2014 23rd 9am - 6pm 24th 10am - 5pm	Port Angeles Club	4th Annual Rock, Gem & Jewelry Show	Port Angeles Parks & Recreation Vern Burton Community Center 308 E. 4th St
March 2014 28th 10am - 6pm 29th 10am - 6pm 30th 10am - 4pm	Rock Rollers Club of Spokane	55th Annual Gem, Jewelry and Min- eral Show	Spokane County Fair & Expo Center N.604 Havana Spokane WA
March 2014 29th 10am - 6pm 30th 10am - 5pm	Mt. Baker Rock & Gem Club	53rd Annual Rock and Gem Show	Bloedel-Donovan Park 2214 Electric Ave. Bellingham WA
March 2014 29th 10am - 6pm 30th 10am - 5pm	Sweet Home Rock & Mineral Society	66th Annual Rock & Mineral Show	Sweet Home High School Activity Gym 1641 Long St. Sweet Home, OR
April 2014 11th 10am - 8pm 12th 10am - 6pm 13th 10am - 4pm	B.C. Lapidary Society	Annual Show Adults \$6, Students \$2 Under6 free w/adult	Ag-Rec Bldg., CFV Fairgrounds 32470 Haida Dr. Abbotsford, BC, Canada
April 2014 11th 10am - 5pm 12th 10am - 5pm 13th 10am - 4pm	Mt. Hood Rock Club	57th Annual Rock and Gem Show	Kliever Memorial NG Armory On 10000 NE 33 rd Dr., Portland OR (just west of the PDX airport in between NE Marine Dr. & NE Columbia Blvd.)
April 2014 12th 10am - 6pm 13th 10am - 4pm	Yakima Rock & Mineral Club	Annual Parade of Gems Adults \$3.50, Students \$2, Un- der12 free w/adult	Washington National Guard Armory 2501 Airport Lane Yakima, WA
April 2014 12th 10am - 6pm 13th 10am - 6pm	Idaho Falls Gem & Mineral Society	Golden Anniversary Show	Idaho Falls Recreation Center B Street Idaho Falls, ID
April 2014 18th 9am - 6pm 19th 10am - 6pm 20th 10am - 4:30pm	Willamette Agate & Mineral Society	59th Annual River of Gems Show	Polk County Fairgrounds 520 S. Pacific Hwy Rickreall, OR
April 2014 26th 10am - 5pm 27th 10am - 4pm	Grays Harbor Geology and Gem Society	Annual Rock Show	Grays Harbor Fair Grounds 43 Elma-McCleary Road Elma, WA

Combined Board Meeting
April 5, 2014
9:30 AM

Palace Café
4th & Main
Ellensburg

COUNCIL REPORTER, Monthly publication of The
Washington State Mineral Council



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

