

WASHINGTON AGATE & MINERAL SOCIETY NEWSLETTER

Volume XVII ISSUE 08

AUGUST

2014

OLYMPIA WA

WEBSITE: [HTTP://WWW.WAMSOLYMPIA.WORDPRESS.COM](http://www.wamsolympia.wordpress.com)

REFRESHMENT LIST:

AUGUST - CLUB PICNIC

SEPTEMBER – JIM & CHERRY

OCTOBER - MIKE TANAKA

NOVEMBER – THE HOLMQUISTS

DECEMBER - CHRISTMAS PARTY

BUY...SELL...TRADE

Charley reports plenty of good material is left. Call him at 360-259-3063 and set up an appt at \$1 a pound. (Email is cprice@pacifier.com.)

This column is offered free to WAMS members to buy, sell or trade equipment or material related to rocks or minerals. See below.

TENINO SHOW : #20 is now in the books.

We grossed \$1500 from our booth and \$410 from the dealers. After paying expenses, we deposited \$1595 into checking. A tip of the hat and a special thanks to Dan DeBoer for his time and effort. Without his leadership, it simply would not happen. This year our club members came through in spades. There were plenty of folks helping from loading up on Wednesday until unloading on Monday.

Thanks again to Dan and Vicki DeBoer and his supporting cast: Bob & Kathleen Hansson, Chuck and Becky Holmquist, Keith Greetham, Jim Thomas, Leann Caranci, M J Huetter, Lisa Wood, Alan Lynn, Ralph Nollner, Charley Price, Jim Pruske, Greg, Kara, and Zoe. (guest appearances by Albert Bachman, Jamie and Evan Glasgow, Eleanor Miller, Lisa and Jessica Von Wendel). If I missed you, I apologize.

REMEMBER: AUGUST IS OUR POTLUCK! BE THERE OR BE SQUARE!

Be sure you go to the Rose Garden kitchen at Priest Point Park for our August meeting. (Off to the right as you enter the Park.) We are meeting on 8/5. Dinner starts at 6 p.m. Bring a dish (salad, main course, or desert). The club will supply plates, utensils and drinks. After we eat, there will be a "tail gate" rock swap. The better material you bring to trade means better material you'll receive in return. Be ready to trade and have fun. No business will be conducted.

AGATE RICH IN FIBER!

Sometimes chalcedony, including agate, is described as fine-grained quartz, but the real case isn't that simple. Arrowheads and other stone tools are harder and more durable when made from chalcedony rather than from coarse quartz. On the other hand, coarse quartz is better to grind up as a concrete additive than chalcedony. The chalcedony causes various chemical reactions in the concrete, which can fail, quartz is unreactive. With the advance of modern analytical tools, these differences can finally be investigated.

Chalcedony has a microscopically fibrous structure, made of evenly spaced silica rods. More surprising is the fact that the fibers show a regularly alternating pattern of elongation--some parts being "length fast" and some parts "length slow." This means that in part of a particular fiber, light travels faster parallel to the long axis of the fiber.

PETRIFIED LIGHTNING

Along the ocean beaches, sandy hills or dunes, people sometimes come across a strange hollow tube of cemented sand, sometimes like a small straight rod. This piece of *petrified lightning* was created in a fraction of a second when lightning struck the earth and fused sand particles into silica glass. Scientists call these fragile objects "fulgurites," from the Latin word *fulger*, meaning lightning.

What Happens? When a bolt of lightning strikes an area of dry sand, the intense heat, with temperatures as high as 3,272 degrees, melts the sand surrounding the strike into rough glass tubes. In as short a time as 100-millionths of a second, a stroke of lightning pierces the Earth and leaves this fused record of its searing path. With diameters from one-half inch to two inches, some fulgurites are ten or more feet long, although most are less than a foot.

They are nearly always found in pieces, for the brittle cast breaks easily if jarred, dropped or stepped on. The inside walls of the tube are glassy and lustrous, while the outside is rough with sand particles adhering to it. They are usually tan or black, but an almost transparent white fulgurite has been found in Florida. Fulgurites have been found in almost all parts of the US, wherever people happen to recognize what they are.

Golden Spike News

TREASURY REPORT: The bank account stands at \$7069.02 after the Tenino show deposits. In addition we have 20 tables and a lot of rock.

LOCAL FIELD TRIPS (PUB. WSMC)

CMS, WMSC = Cascade Mineral Society. Brian Williams (206) 290-2312 email bwaters2011@gmail.com
Ed L = Ed Lehman (425) 334-6282 wsmced@hotmail.com
WSMC = Washington State Mineral Council, use Ed above.
BC Wagon masters: Clair Belzer 604-946-8656
Kit = Kitsap Rock club: Tony Schackmann 360-372-2777
LkSd = Lakeside Gem & Mineral club. Andy Johnson 509-546-1950
Maple = Maplewood club: Don Furey 425-348-4827
Msvl = Marysville club: Ed Lehman 425-334-6282
Mt. Baker club: Kris Menger 360-927-0994 kmenter@comcast.net
East King = East King Co, Norma Kikkert, 206-612-3113
N.W.R. = NW Rockies & MT Baker clubs: Kathy Earnst 360-856-0588 or Ed Lehman 425-334-6282
Pvgn = Puyallup Rock Club Mark Bauman 253-756-8636
Bellv = Bellevue, Bruce Himko, 425-957-1284
Skagit = Skagit Rock Club: Vi Jones 360-424-8340
Pebb = Whidbey Pebble Pushers: Dick Edwards 360-579-2807
Pow Wow club = Cliff Matteson (253) 475-8433
cliff.conniematteson@gmail.com
Longview = Longview club Emmett Johnson 360-636-3491
Ashwood Oregon Darrell Friend 541-489-3252, web page www.ashwoodrockstock.com
Eking = East King Norma Kikkert, kev1123@hotmail.com
WAC - Washington Agate Club
Yak = Yakima Rock Club Jerry Wichstrom 509-653-2787
jewtmew@aol.com
Whidb = Whidbey Rock Clubs Dick Edwards 360-579-2807
BELL = Bellingham Rock Club Brian Hughes 360-671-7330
EVR = Everett Rock Club Brad Johnson 206-403-3073
NID = North Idaho Diane Rose 208-667-8591
Elb = Ellensburg Rock Dave Master (509) 925-3827
WAMS = Wa Agate & Mineral Club.
Boe = Boeing Rock club Erik Chilson 360-825-3138
Swms = SWest WA Mineral Society Dave Roth 360-295-3567
W Sea = West Seattle Rock Club Brian Waters 206-290-2312
Always call the club rep to confirm all trip data. Some trips have fees to non club members, so they can be a day member and be covered under club insurance. The usual fee is \$.50 a day. Pow Wow requires membership \$3 each a year. WSMC 6100 Road trip rider fee is \$8 to help offset the \$65 vehicle access permit we must purchase. Some trips have no charge.

UPCOMING SHOWS: 2014

August 8-10: Far West Lapidary & Gem. North Bend Community Center. 2222 North Broadway, North Bend, OR

August 8-10: Port Townsend. Jefferson County Fairgrounds 4907 Landers Street Port Townsend

August 15-17: NFMS Annual Meeting Hermiston Conference Center 415 South Highway 395 Hermiston OR

Sept 13-14: Marcus Whitman Gem and Mineral Society. Walla Walla County Fairgrounds Community Center Building 3636 Orchard Street Walla Walla WA

Sept 13-14: Clallam County Gem. Vern Burton Community Ctr 308 East 8th St. Port Angeles WA 98362

Sept 20-21: Southern Wa Mineralogical Society. Castle Rock Fairgrounds A Street & Cowlitz River Castle Rock WA 98611

Oct 25-26: Clackamette Mineral Club. Clackamas County Fairgrounds 694 NE 4th Ave Canby OR

FIELD TRIPS: Mineral Council.

08/02/14 Shltn: Salmon Creek. I-5 park and ride Toledo. Agate, petrified wood, pseudo coprolites. Be prepared for wading. Shovel.

08/16/14 NWOS: Greenwater. 9:00 Enumclaw Ranger Station. Agate, jasper. Dig, hard rock.

09/06-7/14 POW: Red Top 8:00 Camp (W fork M fork jct) Dues, see above. Agate, geodes, jade, jasper

9/13/14 NWOS: Little Naches. 9:00 Enumclaw Ranger Station. Thunder eggs. Dig, hard rock.

10/04/14 MSVL: D.P. Mine & H.T. Creek. 9:00 Money Creek Camp. Ore picture jasper. Lt hard rock, light dig

11/08/14 MtBaker: Blanchard Mt. 9:00 I-5 240 exit gas station. Stilpnomelane & chert. Hard rock.

QUALIFICATIONS FOR BEING A GOOD ROCKHOUND:

1. Love of the outdoors. Where else can you find rocks?
 2. Strong back or good judgment. Rocks gain weight with every step.
 3. Sense of humor. Be able to appreciate another fellow's find after you have just stepped over it.
 4. One leg shorter than the other. It helps on the side hills.
 5. Cheerful. Smile even if every muscle and bone in your body aches.
 6. Adventurous. Daring to take a road, even if it looks like it goes straight up.
 7. Persistent. Don't be satisfied until you have turned every rock over twice.
 8. Determination. A willingness to go again after you swore you never would.
 9. Imagination. Visualize a beautiful gem cut out of a plain rock.
 10. Congeniality. You can hunt alone, but it's more fun in a group.
- CARNY HOUND MAY 2001*

INTERNET ROCK SITES

1. www.orerockon.com - Pacific NW field trips, equip buy/sell, misc.
2. www.wrightsrockshop.com Has everything.
3. www.agateswithinclusions.com. The name sums it up.
4. www.geocities.com/Yosemite/Forest/2031/ . Terry's Oregon Rock Page has info on Oregon collecting.
5. Information on collecting in Eastern Oregon during the Madras Pow Wow: Write Eula Dillard, 145 E. 179th, Spanaway WA 98387 or call 253-847-2755.
6. www.wyodonor.org and www.thermopywy.net/bhbf for dinosaur excavation trips.
7. <http://mineral.galleries.com/minerals/byname.htm>
Part of Amethyst Galleries, Inc.'s web site, this is a listing of all the minerals in that company's (extremely extensive) database. More than a mere list, however, each entry is linked to its own page, giving info. such as the mineral's chemical composition, history, physical characteristics, and so on.
8. <http://www.goodearth.com/virtcave.html> The virtual cave site offers a directory of all caves in the US that are open to the public.
9. <http://www.luckystrikemine.com> Info from Prineville, OR rock dig site.
10. <http://www.the.gemshop.com>. The Gem Shop in Cedarburg, Wisconsin hold claims to central Oregon rock sites.
11. www.rockhounds.com This is a great site! Every aspect of rockhounding is addressed or it gives you a link.
12. www.stonetrails.com/ORlocs/ORlocs.htm Oregon rock sites Replace OR with WA...you'll get Washington sites.
13. <http://www.kinglseynorth.com>. **Buy grit in bulk.**
14. www.fs.fed.us/ - Fees and required permits for access to Federal lands.
15. General interest sites: www.rockhounds.com, www.fireagate.com, www.awesomegems.com
16. Be sure to go to our website (See top of Page 1). There are numerous links to other sites.
17. WEBSITES FOR DINO LOVERS
<http://dsc.discovery.com> Look for games and videos
<http://www.paleoportal.org>
<http://www.msnbc.msn.com> Look for technology and science.
<http://www.geo.ucalgary.ca>
<http://www.scienceschoolhouse.com>
18. <http://www.jescoproducts.com> **Buy grit in bulk**

OFFICIAL BLM REGULATIONS REGARDING COLLECTING:

You can collect a reasonable amount of rocks and minerals from BLM lands, but a permit or fee may be needed if you exceed certain amounts as described below. Note that the collecting limits for petrified wood are slightly different.

A REASONABLE DAILY COLLECTING AMOUNT

No BLM permit or fee required.

- fits in a car trunk or is a partial pickup truck load and,
- weighs less than 250 pounds

- and the material is not for commercial use.

(For petrified wood see below)

MORE THAN A REASONABLE DAILY AMOUNT

Requires a permit and fee from BLM.

- is a full pickup truck load or,
- involves more than one trip (or partial load) and,
- weighs more than 250 pounds
- or the material is for commercial use,
- or explosives or power equipment is used.

PETRIFIED WOOD:

Collecting petrified wood is free up to 25 pounds per day, plus one piece, but no more than 250 pounds per year. Pooling of quotas among two or more people to obtain pieces over 250 pounds is prohibited. A permit is needed for amounts over these limits.

AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES

CODE OF ETHICS

I will respect both private and public property and will do no collecting on privately owned land without permission from the owner.

I will keep informed on all laws, regulations and rules governing collection on private lands and will observe them.

I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.

I will use no firearms or blasting materials in collection areas.

I will cause no willful damage to property of any kind, such as fences, signs, building, etc.

I will leave all gates as found.

I will build fires only in designated or safe places. I make sure they are completely extinguished before leaving the area.

I will discard no burning materials--matches, cigarettes, etc.

I will fill all excavation holes which may be dangerous to livestock.

I will not contaminate wells, creeks, or other water supplies.

I will cause no damage to collecting material and will take home only what I can reasonably use.

I will support the Rockhound Project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless or how found.

I will cooperate with Field Trip Leaders and those in designated authority in all collection areas.

WASHINGTON AGATE & MINERAL SOCIETY

WAMS meets the first Tuesday of each month, 7:00 p.m., at the First Baptist Church of Lacey, 4702 22nd (corner of College St. and 22nd)

Officers:

PRES Charlie Price 259-3063
VICE-PRES. Bob Hansson
ACT SEC: M. J. Huetter 352-9702
TREASURER: M. J. Huetter 352-9702
NW FED REP: Jim Thomas
MINRL CNCL : Jim Thomas

COMMITTEE CHAIRS:

PROGRAMS: Charley Price
SILENT AUC: Mike Tanaka 455-4607
ROCK SHOW Dan DeBoer 866-3940
NEWSLETTER: M. J. Huetter 352-9702

WEB SITE: Charley Price
JR PROGRAM: Greg Tolbert

NEWSLETTER STAFF:

Printing & Mailing
M. J. Huetter 352-9702

The Washington Agate & Mineral Society Newsletter is printed and distributed monthly. Material may be reprinted if properly credited. Deadline is the 20th of each month.

RETURN ADDRESS:

**WASHINGTON AGATE & MINERAL SOCIETY
P O BOX 2553
OLYMPIA WA 98507**

Minutes for July 1, 2014

Box Score: Adults 14, Juniors 1
Guests: Pat, Paul (from the Shelton Club).

Acting like the president, Bob called the meeting to order.

Show and Tell:

Zoe – AZ petrified wood.
Charley – OR petrified wood
MJ – polished rocks.
Alan – gorgeous agate and quartz crystals
Keith – rocks shaped/or have picture of living beings: owl, turkey, man
Pat (the guest) – rock necklace of Batswana agate
Kathleen – chacedony rose.
Bob – limb casts from Saddle MT.
Jim – from a field trip to Green Mountain .Jasper, agate, carnelian, moss agate.
Greg – Argelite from Monument Valley.
Zoe won the junior prize. Alex “won” the adult prize.

Old business: Treasurer report per newsletter. Jim reported on Mineral Council and Federation, going over up coming field trips. Dan was not present but the club was reminded of all the show details.

New business: Weyerhauser land will now require a \$150 permit. It was announced that the August meeting would be our annual picnic.

Respectfully submitted by Secretary – M.J. Huetter

MAIL TO: