

# WASHINGTON AGATE & MINERAL SOCIETY NEWSLETTER

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## REFRESHMENT LIST:

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**JANUARY – JAMIE GLASGOW**

**FEBRUARY – LISA WOOD**

**MARCH – JIM THOMAS**

**APRIL - LEANN CARANCI**

**MAY - M J HUETTER**

**JUNE - DAN DEBOER**

**JULY – RALPH NOLLNER**

**AUGUST - CLUB PICNIC**

**SEPTEMBER – JIM & CHERRY**

**OCTOBER - MIKE TANAKA**

**NOVEMBER – THE HOLMQUISTS**

**DECEMBER - CHRISTMAS PARTY**

### BUY...SELL...TRADE

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

*Mark your calendars for May 10<sup>th</sup> 2014. We will have another club sale of rock at \$1 a pound. Once again at MJ's house: 4616 16<sup>th</sup> Ave SE Lacey WA 98503.*

## TREASURY REPORT:

*The checking stands at \$3365.80. We own 20 tables and literally a ton of rock. Running tally of rock sold vs \$3000 investment. Sold to date: \$794.*

*Bills paid for 2014: Insurance \$375, 2014 rent \$350, Federation dues \$139.50*

## LEADING QUARTZ LOCALITIES IN KING COUNTY, WASHINGTON

Washington does not lack occurrences of interesting quartz crystal specimens. The opening of the North Cascades Highway revealed smoking quartz crystals in association with rare minerals at Washington Pass. State Geologist Ray Lasmanis discovered highly complex crystals lying loose in seams in basalt near the summit of Timberwolf Peak, in Yakima County. Unnamed prospectors late in the 19th century in the search for gold along the three forks of Snoqualmie River in King County frequently encountered quartz crystals. The crystals failed to indicate the presence of gold, however.

They were ignored until collectors became aware of their attractions. The occurrences here and the interesting features are not duplicated in number and variety anywhere else in Washington.

Features seen in the area include doubly-terminated crystals, gem-quality, healed crystals (including patterns of re-growth), inclusions (gas, fluids, other minerals), milky quartz crystals, needles, phantoms, pseudomorphic crystals, raspberry-colored crystals, scepters (normal and reverse), skeletal crystals, smoky crystals, druses with a suture texture, and twin crystals (Japan law, Reichenstein-Griesental, others). In tabulations that follow, Reichenstein-Griesental is abbreviated as R-G. World-wide, both Japan law and R-G twins are considered rare. The relative plethora of such crystals on the Snoqualmie River makes the area notable.

### SNOQUALMIE RIVER, NORTH FORK

Devils Canyon (SE.25 27, 25-10E): Japan-law twins, R-G twins, scarce scepters; accompanied by schorl suns, molybdenum and tungsten minerals; probably still under claim.

Green Mountain (SW 33.25, 24-9E): inclusions of actinolite, tiny but classical scepters; at and near minor but interesting deposits of magnetite, under claim in the 1890's. Lake Hancock (N.5 SW.25 32, 24-9E): smoky

Mt Teneriffe (S.5 SE.25 32, 24-9E): Japan-law twins, R-G twins (sometimes sceptered!), inclusions of dravite, hematite, rutile, and other minerals; spelling given here is correct, although in variance with its reference.

### 1 SNOQUALMIE RIVER, MIDDLE FORK

Bear Lake, Deer Lake, Snoqualmie Potholes (SW.25 10, 24-11E, Sections 15 and 16, 24-11E): scepters, amethyst

Clipper (NW.25 1 and NE.25 2, 23-11E): scarce gem quality, scarce Japan-law twins and scepters, odd pseudomorphic crystals after unknown mineral; crystals arrayed in parallel ranks (suture texture); inclusions of actinolite, chalcopyrite, chlorite, pyrite, and siderite; on a patent claim.

Condor (NW.25 11, 23-11E): scarce gem quality, actinolite and rutile inclusions, monazite inclusions reported (based on finding of radiation haloes within individual crystals); on a patent claim.

Dutch Miller (early copper-gold claims at Chain Lakes; SW.25 20, 24-13E): odd growth patterns; claimed

Granite Lakes area (east end of Granite Lake-Gifford Lake divide; near center of 24, 23-9E): inclusions, phantoms.

cont on page 2.

## LOCAL FIELD TRIPS (PUB. WSMC)

CMS, WMSM = Cascade Mineral Society. Brian Williams (206) 290-2312 email [bwaters2011@gmail.com](mailto:bwaters2011@gmail.com)  
Ed L = Ed Lehman (425) 334-6282 [wsmced@hotmail.com](mailto: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](mailto:kmenter@comcast.net)  
East King = East King Co, Norma Kicket, 206-612-3113  
N.W.R. = NW Rockies & MT Baker clubs: Kathy Earnst 360-856-0588 or Ed Lehman 425-334-6282  
Pvym = 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](mailto:cliff.conniematteson@gmail.com)  
Longview = Longview club Emmett Johnson 360-636-3491  
Ashwood Oregon Darrell Friend 541-489-3252, web page [www.ashwoodrockstock.com](http://www.ashwoodrockstock.com)  
Eking = East King Norma Kicket, [kev1123@hotmail.com](mailto:kev1123@hotmail.com)  
WAC - Washington Agate Club  
Yak = Yakima Rock Club Jerry Wichstrom 509-653-2787  
[jewtmew@aol.com](mailto: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

**Feb 8-9: Whidbey Island. Oak Harbor Senior Center 51 SE Jerome Street Oak Harbor WA**  
**Feb 14-16: Oregon Agate. OMSI, 1945 SE Water Ave, Portland OR 97214**

**March 1-2: East King Co. Pickering Barn, 1730 10<sup>th</sup> Ave NW, Issaquah WA**  
**March 7-9: Tualatin Valley. Washington County FairPlex, 873 NE 34<sup>th</sup> Ave, Hillsboro, OR.**  
**March 23-24: Port Angeles. Port Angeles Parks and Recreation, 308 E 4<sup>th</sup> St, Port Angeles**  
**March 29-30: Mt Baker. Bloedel-Donavan Park, 2214 Electric Ave Bellingham WA**

## FIELD TRIPS: Mineral Council.

### First Draft:

**01/18/14 Kit: Beaver Valley. 10:30 @info Center Beaver Valley Rd. Chert & Zeolites. Hard rock tools.**  
**02/15/14 MSVL: Cedar Ponds. 9 @ Monroe Jack in the Box. Jasper. Dig & light hard rock tools.**  
**03/15/14 MSVL: Cherry Creek. 9 @ Duval Safeway. Jasper. Dig, light hard rock, wading.**  
**04/19/14 Mt Baker. Racehorse Creek. 9 @ IGA at Nugents Corner. Fossils. Dig & light, hard rock tools.**  
**5/17/14 Elb: Saddle Mt. 9 @ Matawa Leprechaun Market. Petrified Wood. Dig & light hard rock.**

Cont from page 1

Green Ridge (SE.25 30, 24-11E): scepters (many of amethyst), scarce or rare Japan-law or R-G twins (some with inclusions), doubly-terminated crystals, phantoms, inclusions (pyrite, other minerals), individual crystals to 6 inches long; in vugs to 40 feet long (some big enough to stand up in); scattered over 240 acres; claimed

Horseshoe Mines (SW.25 23, 23-9E): tiny doubly-terminated crystals that cascade out of newly-opened pockets; old claims

Katie Bell Ridge (SE.25 36, 24-11E): scepters (some of amethyst), inclusions (pyrite, chlorite), phantoms; quartz here is associated with needles of malachite; claimed.

Pedro Pipe (NE.25 1, 23-11E): inclusions of pyrite, scheelite; odd growths; site is better known for its other minearls; patent claim

Porter (SW.25, 23-11E): inclusions (pyrite, probably othe mineals), scepters (normal and reverse); patent claim

Spruce Claim (SE.25 2, 23-11E): inclusions (actinolite, fluid, gold, pyrite), scepters, doubly terminated crystals (as healed crystals), needles, Japan-law twins; this site is better known for its superb pyrite; patent claim

Copper Chief area (near Condor): an unnamed site above the Copper Chief produces reverse scepters.

## INTERNET ROCK SITES

1. [www.orerockon.com](http://www.orerockon.com) - Pacific NW field trips, equip buy/sell, misc.
2. [www.wrightsrockshop.com](http://www.wrightsrockshop.com) Has everything.
3. [www.agateswithinclusions.com](http://www.agateswithinclusions.com). The name sums it up.
4. [www.geocities.com/Yosemite/Forest/2031/](http://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](http://www.wyodonor.org) and [www.thermopywy.net/bhbf](http://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](http://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](http://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/](http://www.fs.fed.us/) - Fees and required permits for access to Federal lands.
15. General interest sites: [www.rockhounds.com](http://www.rockhounds.com), [www.fireagate.com](http://www.fireagate.com), [www.awesomegems.com](http://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.

## CHRISTMAS PARTY!

### 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  
VICE-PRES. Bob Hansson  
ACT SEC: M. J. Huetter 459-8121  
TREASURER: M. J. Huetter 459-8121  
NW FED REP: Jim Thomas  
MINRL CNCL : Jim Thomas

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SILENT AUC: Mike Tanaka 455-4607  
ROCK SHOW Dan DeBoer 866-3940  
NEWSLETTER: M. J. Huetter 459-8121

WEB SITE: Charley Price  
JR PROGRAM: Greg Tolbert

#### NEWSLETTER STAFF:

Printing & Mailing  
M. J. Huetter 459-8121

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#### RETURN ADDRESS:

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

### A PETRIFIED WOOD FACT

Many pieces of petrified wood, especially from the northwest, have a center that looks like wood, but with a layer of chalcedony or pumice between the center and the outside. This indicates that the tree was green with it was buried in hot ash. The water in the green wood evaporated, making the wood shrink. The outside was made into a cast by the heat, so the areas left between the wood and cast were filled with chalcedony, making beautiful pieces of petrified wood.

Rock Roller 11/01

### SHOP HINTS

Use your trim saw for the essential straight cuts, then use a pair of slip-joint pliers to finish your rough preform by the process of nibbling. Nibbling removes objectionable points of material--use the pliers with strong pressure while simultaneously giving a sharp twist to the cabochon blank. Agate and similar materials respond well to this technique; however, a tough material such as nephrite does not.

Cleavage planes in fluorite may give the faceter trouble. Advanced cutters advise orienting the table facets away from the cleavages by cutting 10 degrees away from the cube. Cutting a twinned crystalline gem such as amethyst or chrysoberyl may also be difficult. Experts suggest having the twinning plane just below and parallel to the girdle.

*Lapidary Journal August 1998*

Submitted by Secretary M J Huetter.

#### MAIL TO: