

WASHINGTON AGATE & MINERAL SOCIETY NEWSLETTER

Volume XVII ISSUE 03

MARCH

2014

OLYMPIA WA

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

REFRESHMENT LIST:

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 you calendars for May 10th 2014. We will have another club sale of rock at \$1 a pound. Once again at MJ's house: 4616 16th 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.

GARNETS by Ron Graichen

Carny Hound Newsletter (Our Longview cousins)

There are several different garnets that vary from one another in the elements they contain. They are all silicates which means they contain silica (quartz is pure silica). Garnets have somewhat different formulas of elements combined with silica.

The most common garnet contains ferrous iron and aluminum. Other garnets contain magnesium, calcium, manganese, ferric iron and chromium. Colors vary with composition, the most common being red or brown. They may be yellow or green. Red garnets occur in metamorphic rocks formed under heat and pressure. Other colored garnets are "hydrothermal", meaning they form in metal deposits and in some volcanic processes.

PAINTING THE RUBY RED Lapidary Journal March 1992

If rocks and minerals came in shades of black, white, and gray, there would be few minerals we would consider gems. Oh, we might value certain minerals such as quartz, tourmaline, or corundum for their industrial properties, but in a world where color is often a criterion for beauty--the leaves of fall, fashions of spring, or a friend's eyes--we would almost certainly not treasure rocks and minerals for their beauty. For without color, a gemstone, with the notable exception of diamond, is just another "rock".

For nature to paint the ruby red, an extraordinary set of coincidences must take place. Many gems and mineral fans can recite the fact that chromium is the coloring agent for ruby, or some other element accounts for the hue of another gem, but that is just scratching the surface. What do we mean by "agent" or "accounts for"--just how does chromium give ruby its prized red? And more puzzling still, how does chromium make a ruby look red but an emerald look green?

Those are big questions and we don't pretend to try to answer them fully here, but we will probe a little deeper and examine not merely the chemical element, such as chromium, but the particles that make up the atoms of those elements and how they interact. For us to see colored stones, the right atoms of the right elements must be in the right places in the right amounts. And on top of that, these minute bits of matter must all be coordinated with the mercurial nature of light. For without light, gemstones, no matter how perfect their atomic recipe, would have no color.

ECOLOGY CORNER by Ron Graichen

Carny Hound Newsletter (Our Longview cousins)

Did you ever eat a mineral? Most of us do every day! Table salt is the mineral halite. Perhaps you've had digestive problems--then maybe you've taken kaopectate, which contains kaolin, a clay mineral. Baked a cake lately? The baking powder is bicarbonate of soda a product of salt mining. How about taking an aspirin tablet; one ingredient in the table is titanium dioxide from the mineral rutile.

LOCAL FIELD TRIPS (PUB. WSMC)

CMS, WSMC = 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 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
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

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

2214 Electric Ave Bellingham WA

April 11-13: Mt Hood Rock Club: Kliever National Guard 10000 NE 33rd Drive Portland OR 97211

April 12-13: Yakima Rock & Mineral Club: WA National Guard Armory 2501 Airport Lane Yakima WA 98903

April 26-27: West Seattle Rock Club: Alki Masonic Temple 4736 40th SW Seattle WA

May 3-4: Everett Rock & Gem Club: Everett Comm College Student Fitness Center 2206 Tower Street Everett WA

June 6-8: Puyallup Valley Gem & Mineral Club: Swiss Park 9205 198th Ave East Bonney Lake WA 98390

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

FIELD TRIPS: Mineral Council.

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.

06/14/14 Spk: Emerald Creek @ To be determined. Star garnet. Tweezers

07/13/14 Spk: Lolo Pass @ To be determined. Smokey quartz. Dig tools, hard rock.

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

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
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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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 February 4, 2014

Box Score: Adults 16, Juniors 5
Guests: Megan Casto and Carin Larson

Show and Tell:

Charley : Sandstone egg from Cispus River.
Keith: Jasper, pyrite, calcite, thurndereggs.
Kathleen: Article from Rock and Gem about copper. Copper specimens
Bob: Carnelian agate with possible mud impressions. Petrified wood.
Jeremy: Altoona zeolites.
Kirby: Adna agate.
Johnny: Thunderegg with drusy.
Chuck: Sandstone and jasper/agate from Cispus River.
Brent: Fossil, tiger eye.
Erin: Petrified wood and pieces from Puget Sound beaches.
Alan: Petrified wood.
George: Concrete from Berlin Wall. Faceted glass.
Johnny and Kirby won the Junior drawing; Chuck won the adult.

Treasurer report per newsletter.

Old business: None.

New business: Discussion of rockhounding spots close to Olympia.

No federation or mineral council reports.

Program: Video on splitting stone slabs with pins and feathers. Mostly used in quarry work on granite and marble.

Respectfully submitted by Acting Secretary
Charley Price

MAIL TO: