

WASHINGTON AGATE & MINERAL SOCIETY NEWSLETTER

Volume XVIII ISSUE 4

APRIL 2015

OLYMPIA WA

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

REFRESHMENT LIST:

APRIL - LEANN CARANCI

MAY - TOLBERTS

JUNE - DAN DEBOER

JULY - MJ HUETTER

AUGUST - CLUB PICNIC

SEPTEMBER - KEITH

GREETHAM

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 \$1a 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.

LOOKING FOR: We sold out all of our copolytes. Anyone have any? Willing to trade for some big rock.

TREASURY REPORT: The bank account stands at \$7099.73. Paid rent and insurance. In addition we have 20 tables and a lot of rock.

EAT TREATING TIGER-EYE

Tim McGinnis - Springfield Thunderegg Rock Club

Tiger-eye is a rare form of quartz, fibrous by substituting itself in place of Crocidolite. Crocidolite is a variant of the mineral riebeckite, a complex silicate containing iron. It is also known as blue asbestos.

Tiger-eye derives its color from the addition of iron from the Crocidolite to the oxygen that is already present in its basic quartz structure. Heating tiger-eye causes a chemical reaction in the limonite particles, changing them to a reddish hematite. Called ox-blood, if placed in hydrochloric acid, the

coloring will fade to a grey-green, resembling the precious cat's eye variety of quartz.

Instructions: Rarely is red tiger-eye a natural occurrence. It must be heated, typically in a kitchen oven. To protect the tiger-eye from thermal shock during heating, cover slabs of ordinary, gold tiger-eye in fine clean silica sand, at least 3 inches all around the slab. Place the metal container in a cold oven and increase the temperature 50 degrees every hour until it reaches 400 degrees. Let it cook for one hour and then turn the oven off; DO NOT open the door. Allow plenty of time for the container to cool all the way through. This is best done leaving the container in the oven over night.

WHY DO ROCKS FLUORESCCE?

The word takes its name from fluorite and was first discovered by Vincenzo Cascariolo, cobbler and part-time alchemist. In 1602, he tried to smelt a heavy white metal he thought was gold. He was very disappointed, and at one point he put it into bright sunlight. It seemed to drink in the warm light and afterwards it would glow in the dark (it was calcined barite.)

It was two centuries before the significance was noted by Sir George Stokes. With the mineral fluorite, he recognized the principle of fluorescence. He set it apart from other known forms of fluorescence, such as "thermoluminescence," the beautiful flow radiated by many minerals when heated gently, from "chemiluminescence," the cold light produced by some chemical reactions, from "bioluminescence," as seen in decaying wood, and from "triboluminescence," the sparks of light seen in the dark when struck or scratched with a sharp object.

At that time the only known source of ultraviolet light was sunlight. Then in 1867, a Frenchman by the name of Becquerel, using a new "phosphoscope" detected a delicate red fluorescence in calcite and timed its phosphorescence at one-half second. *Rockhound Special June 2002*

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 Kikkert, 206-612-3113

N.W.R. = NW Rockies & MT Baker clubs: Kathy Earnst 360-856-0588 or Ed Lehman 425-334-6282

Pvgm = Puyallup Rock Club.

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.

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.

FIELD TRIPS: Mineral Council.

April 18-19: POW. Saddle Mt. 8 am Mattawa WA boat launch. Petrified wood. Dues required \$7.50 each/\$15 family.

April 25: MSVL. Racehorse Creek. 9 am IGA at Nugents Corner. Fossils. Dig & Lt hard rock tools.

May 23: ELB. Saddle MT. 9 am Mattawa Leprechaun Market. Petrified Wood. Dig, Lt hard rock.

June 15: SPK. Emerald Creek. 9 am @Emeral Creek Star Garnet Area, Idaho. Garnets. Tweezers.

June 21-24: POWWOW. Madras OR. 8 am Fairgrounds. Dues required. Petrified wood, agate, jasper, thunder eggs- \$1 lb.

UPCOMING SHOWS: 2015

April 11-12: Yakima Rock and Mineral Club. New location Central Washington State Fair Grounds, Modern Living Building, 1301 S Fair Ave, Yakima WA 98901

April 17-19: Willamette Agate and Mineral Society. Polk County Fairgrounds, 520 S Pacific Hwy W, Rickreall OR 97371

April 24-26: Mt Hood Rock Club. Kliever Memorial NG Armory, 10000 NE 33RD Drive, Portland OR 97221

April 25-26: Grays Harbor Gem and Geology Society. Grays Harbor County Fairgrounds, 43 Elma-McCleary Road, Elma WA

April 25-26: West Seattle Rock Club. Alki Masonic Temple, 4736 40th Ave SW, Seattle WA

May 2-3: Everett Rock and Gem Club Everett Community College, Student Fitness Center, 2206 Tower Street, Everett WA

May 2-3: Umpqua Gem & Mineral Club. Douglas County Fairgrounds, I-5 Exit 123, Roseburg OR

June 5-7: Puyallup Valley Gem and Mineral Club Swiss Park, 9205 198th Ave East Bonney Lake WA 98390

July 24-26: OUR SHOW IN TENINO.

Aug 15: Shelton Rock and Mineral Society. Tailgate Rock Sale and Swap. 9 – 5. Shelton Soccer Park Parking Lot, 2102 John's Prairie Road.

Oct 24-25: Clackamette Mineral and Gem Club. Clackamas County Fairgrounds, 694 NE 4th Ave, Canby OR 97013

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.wyodinator.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.luckystrickemine.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
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NW FED REP: Jim Thomas
MINRL CNCL : Jim Thomas

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RETURN ADDRESS:

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

Minutes for March 3, 2015

Box score: Attendance 27 adults 3 juniors.

Guests: Coco Chang, Dana Risch

Show and Tell:

Jim P: Concretion from Copper Creek.

Rianna: Agate.

Jim T: Beach agate from Ocean Shores.

Kathleen: Polychrome Jasper.

Bob: Zeolites from Shelton Quarry.

Keith: Prizes from various Rock Shows.

Tracee: Opalized wood.

Cherry: Fossils from Copper Creek.

Coco: Fire agate ring.

Teresa: Fossils from California.

Jim P: Fossil Mushroom.

Richard: Sapphires from Montana.

Zoe: Shark teeth and clams from East Coast.

Ron: Chrysocolla.

Shawn: Yellow agate.

Albert: Quartz display piece.

Rachel: Agates, petrified wood, tumbled rocks.

Maggie: Emerald in matrix, Peruvian opal, petrified wood.

Leann: Agate, carnelian, coprolite, petrified from Salmon Creek.

Adult winner: Kathleen. Junior winner: Rianna

Treasury report per newsletter.

Mineral Council and Federation Report. Jim reported that House Bill 1271 is still in committee and probably won't make it to the floor. Mineral Council has new website.

Show Report: None.

Old Business: Bob reported that zeolites can be collected at the Shelton Quarry. Discussion followed on attending Mineral Council field trips, opportunities of wading creeks/rivers, navigable rivers are legal to access to the high water mark, and if you get stopped by a land owner be polite and leave.

Amethyst trip update.

New Business: None.

Program: Charlie discussed inclusion in agates and showed samples. He discussed creating your own inclusions and passed around a book showing how to do it.

Respectfully submitted by Acting Secretary – Charley Price.

MAIL TO: