

STAUROLITE



NEWSLETTER

JUNE 2014



BOARD MEMBERS

President – Jessica Pearson

Vice President – Gia Rodriguez

Treasurer – Ken Gard

Recording Secretary – Lynn Summers

Corresponding Secretary – Al Collins & Kim Christensen

Federation Director – Jessica Pearson

Shop Chair — Bill Bessette, Phil Hayden, & Calvin Shipley

Membership — Mary Hedden

Facebook — Lynda Dykes

Website — Penny Palmer

PURPOSE OF OBMS CLUB

- To inspire the appreciation of rocks, minerals, and awareness in all earth science through educational programs, field trips, and the collecting, cutting, & polishing of gem stones.
- Advocate the power of discovery in nature.
- Provide a place where members can come together to share their experiences & skills.

CORRECT CONTACT INFO

Please make sure we have your correct contact information, this includes e-mail address. Leave your new information at the shop. We send club news through your e-mail for timely communications and no cost publishing.

MEMBERSHIP FEES

Everyone's membership is renewed in January except new members joining between October and December.

ONE TIME INITIATION FEE \$10 + MEMBERSHIP FEE

Yearly Fee: Adult \$20, Junior (under 12) \$10, Couples \$35, Family – 3 or more \$40.

Send check to OBMS, P.O. Box 285, San Bernardino, CA 92402

Monthly Club Meeting & BBQ

Saturday, June 14. The club meeting will be at 11:30 a. m. and the BBQ will follow. Bring a side dish.

NEW SHOP HOURS

Monday nights 4 — 8 p.m.

Tuesday nights 4 — 8 p.m.

Wednesday nights 4 — 8 p.m.

Saturday 10 a.m.—3 p.m.

BIRTHDAYS THIS MONTH

Mike Gardner

Gloria Aguirre

Jeffery Young

Christine Garrison

Dana Griffin

Orval Goe

Richard Johnson

Hong Li

Kelly Nakatani

Veronica Clark

OBMS TAILGATE—JUNE 27, 28, 29

New location! The tailgate will be across from Rialto City Hall! Let your friends know. The address is 105 S. Palm Ave, Rialto. Help us advertise! You can be a vendor!

MEET AT THE HIMALAYA MINE JUNE 8

Members will either caravan from Sam's Club in Corona or meet at the Lake Henshaw Resort Store. Their website says do not go directly to the mine. Directions and information about the mine trip can be found at www.highdesertgemsandminerals.com Click on Dig Gemstones on the right side. There is more information in the newsletter page 4.

OBMS WINS BEST ROCK SHOP AWARD!

MESSAGE FROM THE PRESIDENT

• JESSICA PEARSON

Our show is fast approaching. We need help preparing items for the show, setting up, taking down, and staying at our booth.

Our June Tailgate—June 27-29 -will be in Ri-alto across from city hall. We will set up on Thursday, June 26.

A lot of work had been done on the machinery at the shop. Thank Bill, Mike, and Penny for all their work. Please use the machinery with care.

The tourmaline mine is scheduled for June 8. Thank Jim for spearheading this trip and Ken for keeping track of who has paid.

Thanks to Arvid, Adam, Tim, and Andy for volunteering to help at the Federation Show.

Thanks for all the help from everyone. Keep coming and working on projects at the shop. Come on down and volunteer help prepare things for the show.

OBMS GENERAL/ BOARD MEETING

HIGHLIGHTS MAY 10, 2014

From Penny & Kim

Meeting called to order by President Jessica.

Highlights of the minutes for the previous meeting were published in the OBMS newsletter for the previous month and distributed via email to members.

Treasurer's Report – Ken provided.

Shop Report —

Saws: Please do not adjust the gear speed on the saws. Please keep the gear on low speed. We are burning through clutches. The **clutch has needed repair 3x** in recent weeks. Please keep the saws running on the slow speed. Thank you.

Blue slab saw—carriage repaired, blade re-aligned, cleaned out and oil added.

Overhead Slab Saw—Post repaired, saw cleaned out, pump cleaned out.

Favorite Slab Saw— Blade sharpened & re-aligned, saw cleaned out, oil added, belt tightened.

Little Opal Cutting Saw—Replaced rusted bearing with a brand new one. Only need a little water in the well. Slight mist when cutting. If the water is too high, it gets the bearings wet.

FIELD TRIPS

Himalaya Mine trip is scheduled for June 8.

Jade Cove—Nancy is setting up a field trip for the summer. Camp at Mill Creek.

Geologist—Rob Waiwood willing to lead fieldtrips. Keep an eye out for future events.

Arvid is setting up a visit to a closed lapidary shop.

CLASSES

Les will be around to help people learn to silversmith. Check with him on Wednesday nights. He is an excellent silversmith.

If you want to teach a class, please let Jessica know. Help the club make money and share your enthusiasm for the hobby.

MAY MEETING MINUTES (CONT'D)

TAILGATE JUNE 27, 28, 29 IN RIALTO

The tailgate will be June 27, 28, and 29 in Rialto across from city hall. (105 S. Palm St.) Ken, Lynn, and Tim are finalized the arrangements. Set up will be June 26. Need lots of help from members.

Look out for shop days to prepare items for the show. If you know how to wirewrap, come help teach people at the show.

We will need raffle items. Please bring items for the raffle to the shop before the show starts. We want to start selling raffle tickets right away. Penny has volunteered a carving. Come buy lots of tickets at the show..

Penny made terrific flyers to advertise the show. Flyers are at the workshop and posted on our website. Please help distribute flyers.

You can be a vendor at our tailgate. The vendor contract is posted on our website. The contract needs to be postmarked by May 31. You can not sign up the day of the show. We must let Rialto know in advance the number of vendors expected and pay a fee to the city.

We will sell soda and water, but there will be no food sale from us. There will be a BBQ Saturday night for the vendors and members. Please bring a side dish.

NEED CFMS SHOW SUPPORT

Jessica is the Federation Coordinator for our club. Adam is entering a show case into the Federation Show. Good luck Adam.

Need Volunteers: Please contact Jessica if you are willing to help at the CFMS Show on May 30-June 1 at L.A. County Fairgrounds in Pomona.

COME TO THE MEETING— BBQ JUNE 14, 2014

Lots of good food to eat. Keep on coming down. Bring a dish.

BRING A FRIEND!

MEMBERS MUST PAY WORKSHOP FEES

A member who does not pay workshop fees or act appropriately may have his/her membership revoked. The by-laws do provide a procedure for this action. Please pay fees.

CD TO HELP FIND ROCKHOUDING SPOTS

When geologist Rob Waiwood spoke, he brought a CD from Bureau of Land Management that contains maps with locations of good rockhounding sites. Al made more copies for members. Thanks Al. Joanne Burdett, an OBMS member, can help members with any questions.

**Meeting Adjourned. BBQ followed.
Good food!**



Phone: The phone now rings at the workshop. Please answer it when it rings. Thanks.

SHOP NEWS

COMMITTEE: BILL BESSETTE, PHIL HAYDEN, CALVIN SHIPLEY

Opening: Gia, Jim, Jessica are opening on Saturdays. Bill is opening Monday days. George and Pam are opening on Monday nights. Nancy is opening Tuesday nights. Klocks are opening Wednesday nights. Jessica is opening as needed.

Closing: Please help the shop person close up at the end of the day. Follow the closing procedures posted. We want to keep the shop safe. **Please make sure to turn off the lights.**

Show Appreciation: Thank those fixing equipment. It takes time from their time to work in the shop. Please make an effort to operate machinery correctly so we have less repairs.

Slab Saws: Check that oil is dripping onto the saws. Recently the drop saw oil line plugged.

Conserve Oil: Let the oil drip off the rock before taking it from the saw.

HELPING IN THE SHOP

We are all **working together** to keep the shop working well. **Leave a note** at the check-in counter or on the machine **if something needs service** that you don't know how to do.

Grinding Machines: Joey has agreed to help maintain the belts on the grinding machines. He will switch them out when he thinks they are needed to change. Thanks, Joey!

Lap Wheels: CJ has agreed to help maintain the lap wheel area. Let her know when supplies get low. Thanks, CJ.

Cabochon Counter: CJ has agreed to help maintain the capping area.

Saws: Bill, Calvin, Dale, Mike, Penny, and Phil are helping with the saws. Thanks everyone!

Soldering Station: Kim has agreed to help maintain the soldering area. Thanks, Kim.

Himalayan Tourmaline Mine Trip Sunday, June 8

Watch a YouTube video of the Himalaya Mine Dig.

What you can find: pink and green California tourmaline, quartz crystals, lepidolite, topaz, morganite, and other pegmatites.

When: The mine is open from 10 a.m. to 3 p.m. Thursday through Monday.

Where: Located at 26439 Highway 76, Santa Ysabel, Ca at **Lake Henshaw Resort**.
Phone: 775-830-5797

At the Lake Henshaw Resort, go to the store. We will collect together there around 9:30 a.m. If you are late, ask for the mine dig. **The cashier will give you a code and directions.**

What you need: muddy shoes, sun hat, gloves, plastic baggie to put tourmalines in, old toothbrush for scrubbing tourmalines, and **plenty of drinking water**. They will provide all tools for digging at no extra charge.

Available: Buckets of very high grade gem pocket ore are available from our very rich area which can be taken home for screening \$100.

Kim – Newsletter: Keep your e-mail address up-to-date at kimrocks2@sbcglobal.net

Mary—Membership Database—Keep your contact information up-to-date at the shop.

Lynda – Facebook: Orange Belt Mineralogical Society page and check it out.

Penny—OBMS Website—Check out <http://obmsrocks.yolasite.com>

**Make the shop
a fun place to be.**

Help others learn new skills.

LEARNING NEW SKILLS

Periodically classes are available in different techniques. A sign up sheet is available at the workshop when classes are scheduled.

In general, members help members learn new techniques.

Cabbing—Almost anyone at the shop can help you with cabbing. You often see Hahn, Gia, Joey, Jim, Bill, and the Klocks making cabs.

Slab Cutting—Almost anyone at the shop can help you slab rocks. You often see Mike, Jim, Joey, Bill, and the Klocks cutting rock.

Wirewrapping— Jessica and Pam are ready to help you learn to wire wrap.

Beading - Geri & Peggy can help with beading.

Silversmithing—Arvid is often at the shop and willing to help people learn. Kim is around on Saturday afternoons to help people learn to silversmith. George can help on Monday nights. Les can help on Wednesday nights. Mary, Jim, Hahn, Gia, Joey, Bill, and Frank are others who can help.

Lost Wax Casting—Dale and Kim can help you learn to cast.

Carving—Rudy and C.J. can help with carving on Saturdays. Penny and Frank are good sources too.

Sphere Making—Chris can help you learn to make spheres.

Chain Maille—Sherry can help you with chain maille projects.

If you need help with using equipment, cabbing a stone, or making jewelry, ask around the shop. If you want to be added to this list to help others, let Kim know — at kimrocks2@sbcglobal.net.

WIREWRAP CLASS

Jessica is showing people how to wire wrap in classes and by appointment. Pam will be showing people on Monday nights. Look for an e-mail or info at the shop for class times.



Member Gave Food Donations

Members help distribute recent food donations. They went to Veterans and families in need. Thanks, Evelyn, for the food donation.

SOME UPCOMING SHOWS

You can find show listings for all over the USA and Canada at <http://The-Vug.com>. Click on Mineral Shows on the right side. You can find show listings at [//www.rockngem.com](http://www.rockngem.com) site and the magazine too.

MAY 30—1 POMONA, CA

California Federation of Mineralogical Societies
Statewide Show
Fairplex Bldg. 5
1101 W. McKinley Ave
Admission: \$5 Adults, \$4 Seniors, \$3 Teens

MAY 31—1 ESCONDIDO, CA

Palomar Gem & Mineral Club
California Center for Arts
340 N. Escondido Blvd.
Admission: \$3 adults

JUNE 7—8 GLENDORA, CA

Glendora GEMS
Goddard Middle School
859 E. Sierra Madre
Admission: Free

JUNE 27-29 RIALTO, CA

San Bernardino Orange Belt Mineralogical Society
105 S. Palm Ave
Across from Rialto City Hall
Admission: Free

ROCK EDUCATION



Granite is the most common igneous intrusive rock. It is easily recognized by its speckled appearance caused by three minerals—quartz, feldspar, and mica.

Quartz has a glasslike crystals that maybe colorless or milky. Feldspar has crystals that may be red, white, gray or green. Mica is shiny, flaky crystals that may be black or white.



Granite is used in road construction, buildings, and monuments.

Basalt is a common igneous extrusive rock. It is dark colored, and heavier than granite. Geologist believe the continents are resting on a foundation of granite and the oceans on a foundation of basalt.



Pumice and obsidian are igneous extrusive rocks formed from magma or lava that has come from erupting volcanoes.

In pumice, the lava cooled so quickly that gases did not escape and the gasses are trapped inside the cooled lava. This makes the pumice a light weight, sponge looking rock. Pumice can float in water because of the gases inside.



In obsidian, the lava cooled very quickly. Obsidian is black and glassy. It has the same chemical composition as commercial glass.



Sources: [Rocks, Minerals, & Gemstones](#), W. Schumann; [Peterson's Field Guides Rocks and Minerals](#), F. Pough; [1000 Facts on Rocks & Minerals](#), C & H Pellant; [Rocks, Crystals, Minerals](#), R. Hankin; [Science for the Elementary School](#), Edward Victor. Pictures: [geology.about.com](#)

PRICING YOUR WORK

You can find an article at [Jewelry-MakingJournal.com](#) that details how to price jewelry.

Retail Price =
 (cost of materials + cost of packaging) X 4
 +
 (Your time x Your Hourly Rate)
 +
 10% of your overhead cost.

The **whole sale price** is 50—60 % of the retail price.

The site—[wikihow.com](#)—suggests:
 retail is 3 to 5 X supplies and
 whole sale is 1.5 to 2.5 X supplies.

Through experience, you will learn what multiplier works for your jewelry and the market you are trying to sell to.



SILVERS IS FALLING AGAIN! (\$19-20)



GETTING STARTED SILVERSMITHING—WHAT TO BUY

The item numbers are from **Riogrande.com**, but there are other places you can buy silver. Locally you can go to Katherine's in Grand Terrace. **The prices below are an estimate at silver being \$27-\$28/oz.**

Metal thickness is measured by gauge. The smaller the number, the thicker the metal. This means a 24 ga sheet is thicker than a 26 ga. sheet.

Backplate—buy either 24 ga. or 26 ga. 24 ga or thicker is recommend if using stamping.

Can make 4 of the 30x22 mm cabs.

100124—Sterling Silver Sheet \$30.00

6" x 1.5", 24 ga

Bezel—buy either plain or gallery wire.

Sterling Silver is less prone to melting than fine silver, but fine silver will bend easier.

103269—Gallery Wire SS Style B \$9.50

1 foot

104030—Fine Silver Bezel \$7.50

1 foot, 26 ga, 3/16"

100293—Sterling Silver Strip \$11.50

1 foot, 24 ga., 1/4"

Decoration/bail/open back

100320 Square Wire SS 3.50

2 feet, 20 ga.

(open back, twist for bail)

100316 Round Wire SS \$8.50

2 feet, 16 ga.

(open back, bail,

twist for decoration, 2.6 mm high)

Solder

101100 Silver Wire Solder, Easy \$1.60

101703 Silver Wire Solder, Med \$1.63 x2

101704 Silver Wire Solder, Hard \$1.65

Flux

504086 Handy Flux Paste \$10.75

BENCH TIPS

FABRICATION

- Detailed Soldering Book Soldering Made Easy by Joe Silvera
This book explains the soldering process with more detailed than any book I have read. Includes 12 projects.
- Video Links to Riogrande.com
- Soldering 101: A How to with Mark Nelson
<http://www.riogrande.com/Content/soldering-VID-psd?pos=1>
- Jewelry Metal Sawing Techniques
<http://www.riogrande.com/Content/sawing-technique-VID-psd?pos=8>
- How to Bezel Set a Cabochon
<http://www.riogrande.com/Content/setting-stones-VID-psd?pos=1>

MAKE A STONE FIT A BEZEL

At 600 grit, the stone should be slightly larger than the bezel within 1 mm. At 1200, the fit should be tight or barely larger. At 3000, within a count of 30 seconds, the stone will be a perfect fit.

ANNEAL & HARDEN SILVER

Silver is bested annealed at 1400°F. This allows the metal to be malleable without breaking. It is feasible to anneal to 1100°F. Handy Flux is a good indicator of this temperature. Handy Flux becomes clear at 1100°F. Also, black Sharpie pen ink disappears at this temperature. Once the metal reaches above 1100°F, immediately quench it in water. If you want to harden the metal, heat to 1250°F and let it air-cool.

WUBBERS UNIVERSITY

Go to www.WubbersU.com to get free jewelry class instructions from top artists. You can login as a guest and use the free enrollment code: **wubu2** or you can create an account and they will send you a code.

ART JEWELRY MAGAZINE VIDEO LINKS

You will need to login. You use your e-mail address and the account is free. Check out all the videos: wire, tools, metalsmithing, chain maille, metal clay, enameling and others.

- HOW TO USE A TRIM SAW
<http://art.jewelrymakingmagazines.com/Videos/Lapidary/2010/03/Video%20Using%20a%20Trim%20Saw%20to%20Cut%20Stone.aspx>
- CAB PART1: TRIMMING A CABOCHON
<http://art.jewelrymakingmagazines.com/Videos/Lapidary/2010/03/Video%20The%20Making%20of%20a%20Cabochon%20Part%201%20of%204%20>
- CAB PART2: GRINDING & SHAPING
<http://art.jewelrymakingmagazines.com/Videos/Lapidary/2010/03/Video%20The%20Making%20of%20a%20Cabochon%20Part%202%20of%204%20Using%20a%20flat%20lap%20to%20grind%20and%20shape%20stone.aspx>
- CAB PART 3: SAND & REFINE
<http://art.jewelrymakingmagazines.com/Videos/Lapidary/2011/03/Video%20The%20Making%20of%20a%20Cabochon%20Part%203%20of%204%20Using%20a%20flat%20lap%20to%20sand%20and%20refine%20stone.aspx>
- CAB PART 4: POLISH
<http://art.jewelrymakingmagazines.com/Videos/Lapidary/2011/03/Video%20The%20Making%20of%20a%20Cabochon%20Part%204%20of%204%20Using%20a%20flat%20lap%20to%20polish%20stone.aspx>

ABOUT GEOLOGY LINK

Mike suggested a site for learning more about rocks!

http://geology.about.com/od/more_sedrocks/qt/About-Chert.htm - Thanks, Mike.

ROCKHOUND WEBSITES

(Use these sites at your own risk.)

[//OBMSROCKS.YOLASITE.COM](http://OBMSROCKS.YOLASITE.COM)

Our club website.

[//WWW.FACEBOOK.COM/](http://WWW.FACEBOOK.COM/)

Our group is “Orange Belt Mineralogical Society”

[//GROUPS.YAHOO.COM/GROUP/LA-ROCKS/](http://GROUPS.YAHOO.COM/GROUP/LA-ROCKS/)

Full of rock enthusiasts and postings of rock hunting events.

[//WWW.CFMSINC.ORG](http://WWW.CFMSINC.ORG)

Our club is a member of CFMS. There are lots of rock hunts scheduled.

[//WWW.EBAY.COM](http://WWW.EBAY.COM)

Search rough rocks or rock slabs

[//WWW.HIGHDESERTLAPIDARY.COM](http://WWW.HIGHDESERTLAPIDARY.COM)

Wide variety of slabs with good pictures. (Almost like being at Quartzsite.) Good for learning the names of the rocks

[//WWW.FACEBOOK.COM/](http://WWW.FACEBOOK.COM/)

“Lapidary swap shop” is a group for posting items to trade equipment, tools, rocks with other enthusiasts.

[//WWW.SCHOOLGEMOLOGY.COM/ISGTURQUOISEBUYERSGUIDE/INDEX.HTML](http://WWW.SCHOOLGEMOLOGY.COM/ISGTURQUOISEBUYERSGUIDE/INDEX.HTML)

Bob suggested this site. It discusses buying the real from the fake turquoise.

JEWELRY MAKING SUPPLIES:

[Katherine's Beads](#)

12210 Michigan St. #G,
Grand Terrace.—Exit Barton Rd,
Go East, First Right turn is Michigan.
Sells silver sheet and silver wire. Mainly a beading shop. Teaches jewelry making. (909) 825-5885

[//WWW.RIOGRANDE.COM](http://WWW.RIOGRANDE.COM)

Albuquerque, NM -A huge jewelry supply store. Shows the silver spot market price on its front page. Free online-videos—click on Learn with Rio. (800) 545-6566

[//WWW.IJSINC.COM/](http://WWW.IJSINC.COM/)

Albuquerque, NM –Indian Jewelry Supply Company—A complete jewelry supply store. Carries stamps and dies for making Indian jewelry. (800) 545-6540

[//OTTOFREI.COM](http://OTTOFREI.COM)

Oakland, CA—A complete jewelry supply store. Often 5% coupon in Art Jewelry and Lapidary Journal magazine. (800) 772-3456

LAPIDARY EQUIPMENT & SUPPLIES:

[//COVINGTON-ENGINEERING.COM](http://COVINGTON-ENGINEERING.COM)

715 West Colton Ave
Redlands, CA—Manufacturer of lapidary equipment and some supplies/books. (877) 793-6636

[//WWW.DIAMONDPACIFIC.COM/](http://WWW.DIAMONDPACIFIC.COM/)

2620 W. Main Str.
Barstow, CA—Manufacturer of lapidary equipment and some supplies/books. (800)253-2954

[//WWW.JBFC.COM/](http://WWW.JBFC.COM/) JOHNSON BROTHERS

1452 N. Batavia St. **New Location**
Orange, CA—A variety of lapidary and some jewelry making tools. (714) 771-7007

[//KINGSLEYNORTH.COM](http://KINGSLEYNORTH.COM)

Norway, MI –A variety of lapidary equipment, tools, supplies, books (800) 338-9280

MAGAZINES:

[//ART.JEWELRYMAKINGMAGAZINE.COM](http://ART.JEWELRYMAKINGMAGAZINE.COM)

Login for free to get access to online videos and projects.

[//WWW.JEWELRYMAKINGDAILY.COM](http://WWW.JEWELRYMAKINGDAILY.COM) (LAPIDARY JOURNAL/JEWELRY ARTIST)

Login for free to get access to online videos and projects.

[//WWW.ROCKNGEM.COM](http://WWW.ROCKNGEM.COM)

Show date listings.

ROCK SUPPLIES:

NEWERAGEMS.COM

Grass Valley, CA—Recommended in faceting booklet. Has cabbing and faceting rough. (800) 752-2057

THOMPSON'S SUPPLIES

Rocks for sale. West on 10. South on Cherry about 4 blocks. From Rudy, Jim, and Al.

NEED SITES YOU LIKE TO USE.

SHOP USE AND MAINTENANCE

Proper use of equipment: Help reduce the number of repairs by using the equipment carefully.

Trim Saws

- Trim saws are used for preforming or trimming cabs from slabs. There are three trim saws: blue, red, and Rock Rascal.
- The blue trim saw has the thickest blade. This saw is the saw that should be used most of the time. Use this saw if you are trimming obsidian, agate, or harder material.
- The red saw is a lighter duty saw. It is used for cutting smaller pieces and trimming corners. It can be used to trim lighter material like howlite.
- The Rock Rascal is for specialty cutting only. It has a delicate, expensive thin blade used to trim more expensive, soft stones like turquoise and opal.

Trim Saw Usage

- **Make sure there is water in the saw basin.**
Turn the blade on to see water drips off the blade in a light stream before cutting on a rock. This keeps the rock cool and cleans the rock bits off the blade.
- **Push lightly.**
Do not push hard against the blade. If the blade slows down or stops, you are pushing too hard. You can also listen to the cut. It should be a light sound.

Let the blade cut the rock slowly so the diamond bits do not chip off the blade. This helps make the blade last longer.
- **When done:**
Throw the larger bits away in a scrap bucket or trash. Rinse the tray top with water and dry it clean. Replace the water if the water is cloudy.
- **Closing at the End of the Shop Day**
At the end of the day, drain the saw basin and dry the saw top. This is so the blades do not rust and last longer.

Large Slab Saws

- The large slab saws are used for cutting rock slabs from boulders.
- **Use scraps of wood wedges to make good contact.**
Carefully place shims around the rock so the vise – shims are touching many areas of the rock. Rocks need at least three good contact points.
- **Tighten the vise. Then, pull on the rock vigorously.**
Make sure the vise is tight and the rock can not move. When a rock slips, it can destroy—bend—a blade. Large saw blades are very expensive to replace. To be safe, **tighten the vise again by hand.**
- **Check the blade will not saw into the vise.**
Place the rock so the rock sticks out from the vise. Four turns of the vise knob is about ¼ inch. Make sure the rock sticks out from the end of the vise for the number of slabs you want to cut. **Recheck this every time you start a new cut.**
- **Pull the rock back away from the blade.**
Do not start the blade on the rock; pull the vise carriage back so the rock is away from the blade before starting the blade.
- **Turn the blade by hand before starting.**
Make sure the blade has no contact with the rock before starting.
- **Check there is enough oil.**
Oil should be dripping off the blade when you turn it. Otherwise, you need to add oil.
- **Stay with the saw while it is cutting.**
The blade and vise can be damaged if the saw jams after the slab has fallen.
- **When done,** throw away the rock bits and **wipe off the trays.**
- **Please do not change the belt speed.**
Leave the belts where they are set. Let the blade do the cutting slowly so the diamond stays on the blade longer.
- **Please do not change the vise stops.**
They protect the machine.

Rock Clean Up Process

1. **Use the kitty litter box.** There is a box with kitty litter. Put the rock in the box and pour kitty litter over the rock to absorb the oil. Brush the kitty litter off the rock.
2. **Use the Simple Green bucket.** There is a bucket with Simple Green to help remove the oil. Dunk the rock in the bucket and use a brush to help remove the oil in crevices.
3. **Use the rinse bucket.** There is a water bucket with water in it. After steps 1 & 2, dunk the rock in the water bucket for final cleaning.

Do not put a rock in the sink to clean it. The sink drain was damaged—torn—by rocks sliding against it.

Grinders

- **Turn main water valves on/off.**
There is a main water valve near the first grinder by the sink. There is another valve about every two grinders. These valves get turned on/off depending on which set of grinders are in use to save water. Each grinder has its own water valve on top of the grinder which controls the water flow to the grinder's belt.
- **Keep a light stream of water on the belt.**
Turn water on so there is a light stream of water on the belt before grinding a rock. The belt should look wet as you grind. This keeps the rock cool and cleans the rock bits off the belt.
- **Push lightly.**
Do not push hard against the belt. Harder material like agate grinds slower than soft material like turquoise. Use the entire width of the belt so the belt wears evenly. If you only work in the center, a groove can form.

Let the belt cut the rock slowly so the diamond bits do not chip off the belt. This helps make the belt last longer.
- **When done**
Throw any large bits in the tray away. Flush the tray with water so it is clean. Turn off the valves.

Flat laps

- There are two large flat laps and two changeable top laps.
- One large wheel is for coarse 40-80 grit only. Its base is heavy duty steel and the grit does not scratch the base. There is no grit sign on this wheel.
- The other large wheel is for finer grit of 220 or more. The wheel can be scratched by the coarser grit. Only use fine grit on this wheel. It has a 220 sign on the outside of the box.
- Finer polishing of slab/geode material should be done on one of the other two laps with changeable tops.
- **When done,** wash off the grit and dry the wheel.

Polishing Wheel

- **Keep spraying water on the cerium-oxide polishing wheels** while you work. It should be a fine slush, paste to polish properly. Keeping the wheel wet keeps the rock cool and lets the polish flow over the rock.

Closing

- **Grinders:** Make sure all the water valves are closed.
- **Water Trim Saws:** Trim saws should be drained before closing and the trays rinsed off. The waste water should be poured out in the parking lot trough and the sediment dumped into the dumpster.
- **Tripoli/Rouge Polishing Station:** Wipe the tray out and throw the loose fibers away.
- **Wax pot:** Unplug the wax pots and iron.
- **Soldering Station:** Check the torch is turned off and check the pickle pot is unplugged.
- **Empty the trash**
Look around and tidy up.

TOOL RACK

Connie is selling wooden tool/pliers rack. One is at the shop for you to see.



AROUND THE WORKSHOP



BOOK—THE EMERALD SORCERESS

You can buy Sherry's book from her, or at Amazon and Barnes & Noble book stores. It is available as an e-reader too. It is a PG-13 fantasy novel.



ROCK SALE

Bill Stevens is a long time member of OBMS. He is in poor health. He is selling his rock collection of many years.

Call between 8 a.m. and 5 p.m. only. Make an appointment with Bill Stevens' wife, Norma Jean. (909) 824 - 2379

Address: 22911 Miriam Way,
Grand Terrace, CA 92313

ROCK & JEWELRY SALE

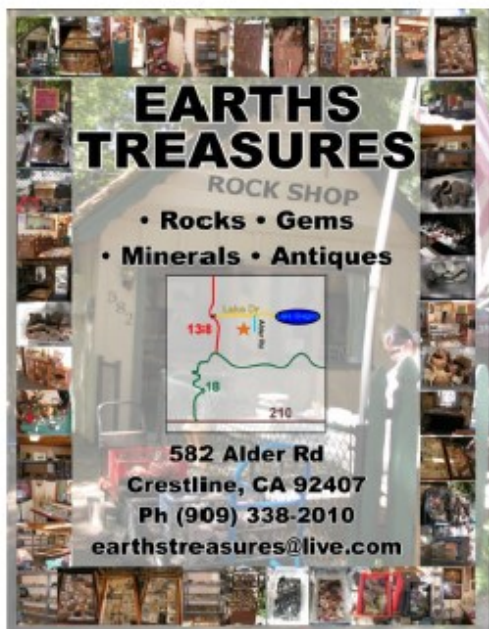
Pam Woodcox has rock and jewelry for sale. Contact Tony (909) 644-5234 to see the rock and Arvid at the shop to see the jewelry. She made some high quality pendants.

CLASSIFIED ADS

Advertisement Disclosures

- Orange Belt Mineralogical Society, INC. assumes no responsibility for any of the Classified Ads listed below.
- All advertisers' claims are their own and Orange Belt Mineralogical Society, INC. does not warrant any of the items or companies listed.
- Vendors pay a nominal fee of \$5.00 per issue. Please note there is a one time set-up fee of \$10.00 due prior to the 1st printing.
- OBMS Member are welcome to place classified ads to sell items for free
 - Information needed for classified ad; Item Description, Price, Sellers Name, Phone # &/or Email , Picture (if you have one)

Newsletter articles &/or classified ads are the 20th of the month.



SOME TAILGATE SUPPORTERS

- TGIF Fridays
—390 E. Hospitality Lane, SB
- Claim Jumper
—1905 S. Commercenter E, SB
- Black Angus Steakhouse
—290 E. Hospitality, SB
- SuperCuts
—525 E. Hospitality Suite B, SB
- Outback Steakhouse
—620 E. Hospitality Lane, SB
- TOGO's
—525 Hospitality Lane, SB
- Five Guys Burgers and Fries
—525 Hospitality Lane Suite D, SB
- Covington Engineering
—715 West Colton Ave, Redlands
- Katherine's Beads
—12210 Michigan St. #G, Grand Terrace

SOME TAILGATE VENDORS

- Blue Rabbit Collectibles
• Diamond Pacific Dealer
• (760) 447-1331
- Prentiss Campbell
• Faceting stones
• (760) 912-2711
- Awesome Enterprises
- The Agate Hunter
- TOPS, Turquoise, & Rocks
- Moon Hawk Creations
- Good Sam Club Life Member
- California Lapis Minor

If you know of others that should be included in the above lists, send them to me.

Marge Tucker Realty
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Fax: (909) 899-1532 (call first) | (909) 899-1532
Cell phone: (909) 743-9887 | DRE #00576488

OBMS Workshop
 205 West Benedict #8
 San Bernardino, CA 92408
 PH (909) 381-0089

Workshop Hours

Monday
 4 p.m.— 8 p.m.
Tuesday
 4 p.m.— 8 p.m.
Wednesday
 4 p.m.— 8 p.m.
Saturday
 10:00 a.m. – 3:00 p.m.

Monthly Club Meeting

The second Saturday of the month around **11:30** at the workshop.

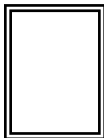
Monthly BBQ

The Saturday of the month following the club meeting. Bring your favorite dish to share and a projects to show.

Sun	Mon	Tues	Wed	Thur	Fri	Sat
June 2014	2 Shop 4-8	3	4 Shop 4-8	5	6	7 Shop 10- 3
8 Tour- maline Mine Field- trip	9 Shop 4-8	10 Shop 4-8	11 Shop 4-8	12	13	14 Shop 10- 3 MTG/ BBQ
15	16 Shop 4-8	17 Shop 4-8	18 Shop 4-8	19	20	21 Shop 10 - 3
22	23 Shop 4-8	24 Shop 4-8	25 Shop 4-8	26 Set up Tail- gate	27 Tail- gate	28 Tailgate
29 Tail- gate	30 Shop 4-8	Shop 4-8	Shop 4-8			Shop 10 - 3

Thank you to those who reviewed the newsletter and added information.

Newsletter articles and advertisement are due by the 20th of the month.
 Send information for the newsletter to Kim at kimrocks2@sbcglobal.net
 Website: <http://OBMSrocks.yolasite.com>
 Facebook: Orange Belt Mineralogical Society



Orange Belt Mineralogical Society, Inc.
 P.O. Box 285
 San Bernardino, CA 92402

