

# STAUROLITE



**NEWSLETTER**  
**September 2018**



## BOARD MEMBERS

**President**—Jessica Pearson  
**Vice President**—Barbara Woolery  
**Treasurer**—Mary Hedden  
**Recording Secretary**—Andy Morales, Shelli Smith  
**Corresponding Secretary**—Kim Christensen  
**Advisors**— Bill Bessette, Tim Summers, Geri Gilham, Tony Gilham, Jim Wolford

**Federation Director**—Jessica Pearson  
**Shop Committee**—Bill Bessette, Sue Alger, Calvin Shipley, Don Alexander, Greg Vidler  
**Fieldtrips**—JJ Day, Cathy Govaller, Don Alexander, Greg Vidler  
**Membership**—Mary Hedden  
**Facebook** — JJ Day, Tori Agular , Greg Vidler  
**Website**—Cindy Ahlgrim  
**Meetup**—Andy Petty

## PURPOSE OF OBMS

- To inspire the appreciation of rocks, minerals, and awareness in all earth sciences through educational programs, fieldtrips, and the collecting, cutting, & polishing of gem stones.
- Provide a non-profit environment where members can come together to share their experiences & skills
- OBMS is not organized for the private gain of any person. Its property is irrevocably dedicated to charitable or educational purposes and no part of the income or assets shall ever inure to the benefit of any private person.

## MEMBERSHIP FEES

Everyone's membership is renewed in January except new members who just joined between October and December. It is easier to track that way.

To JOIN: 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

## KEEP YOUR EMAIL UP-TO-DATE

We use your email to send the newsletter & up-to-date information about club events. Kimrocks2@sbcglobal.net

## MONTHLY CLUB MEETING & BBQ SECOND SATURDAY, SEPTEMBER 8

The club meeting will be around 11:30 a.m. and the BBQ will follow. Please bring a side dish to share.

### Shop Hours

**Tuesday** nights 4—8 p.m.  
**Friday** nights 4—8 p.m.  
**Saturday** 10 a.m.—3 p.m.  
**2nd & 4th Sunday** 10 a.m.—2 p.m.



## OFFICERS

### ELECTIONS SOON

Please start considering if you want to run for an office in the club or be on a committee. Let Jessica or Kim know by the October meeting. The election will be held at the November meeting.



## CLUB ACTIVITIES



**SATURDAY, SEPTEMBER 8 — MEETING/BBQ  
STARTING AROUND 11:30 A.M.**



**Sunday, September 2—San Onofre Beach  
Be at the workshop by 7:15 a.m. \$15 to park.**

**Sunday, September 30—Fieldtrip ??**



## MESSAGE FROM THE PRESIDENT

- **JESSICA PEARSON**

Hi Rockhounds,  
I am glad to see so many people keep coming to the workshop and events. We had a large crowd at our meeting/BBQ with plenty of food! Our trip to George and Pam's rockshop was a success. Again, lots of people and good food. People had fun searching through all the bins and piles of rock. Some great rocks were found!

Rockhound of the Month will go to George and Pam for hosting us at their Earth's Treasures rockshop in Crestline. They provided us with the main meal and drinks. They set up tables for eating and rocks to buy. They put in a lot of effort to host us.. We appreciate their continued support of the club. Thanks, George and Pam!

I want to thank all the people who are still coming down to the workshop in the heat! We close a couple times because it was just too hot! Even so, there has been some dedicated souls. It is great that there is so much enthusiasm and fun socializing.

We are returning to San Onofre Beach on Sunday, September 2. Be at the workshop by 7:15 a.m. More fieldtrips are being planned. We will be planning classes soon. Please let me know what you want to learn and what you can teach. This helps us make money to support our club as well as increase each others skills.

Let's keep working together. Let's keep having fun.

## OBMS GENERAL/BOARD MEETING

August 11, 2018

From Andy/Shelli/Kim

**Meeting called to order** by President Jessica.

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

**Treasurer's Report**—Mary gave the treasurer's report.

## SHOP REPORT

**Purpose:** OBMS is a non-profit environment meant to educate members and the public about earth sciences and lapidary arts.

**Liability:** The Orange Belt Mineralogical Society, Inc., is not and cannot be held responsible and liable for personal injuries, for damage or loss of property at meetings, workshop, classes, fieldtrips, shows, or any event sponsored or recommended herein.

**Safety:** Be safe. OBMS has no insurance for medical coverage. You use your own insurance. Remember we are all amateurs. You make your own decisions. Use machines wisely and carefully. Ask for help. Wear safety glasses and dust masks.

**Fees:** Everyone must pay shop fees. We need to generate enough income to pay for rent, utilities, repairs, and supplies.

**Pay for Food:** Soda and chips are 50 cents. This helps pay for replenishing and food for the BBQ.

## SHOP REPORT CONTINUED

### NOTHING BROKE THIS MONTH!

Bill reported that nothing broke this month!  
Please use the equipment with care.

### ROCKSHOP

#### OPEN SUNDAY, AUG. 12

FROM 9 AM—1 PM

Greg will open the workshop early due to the heat.

#### NEED HELP OPENING TUESDAYS

Andy volunteered to help open some of the nights while Bill is on vacation.

## FIELDTRIPS

### San Onofre Beach—September 2, Time: TBD

We enjoyed the trip to San Onofre in August. The cooler weather and looking out at the ocean was great. We plan to return even though we did not come home with a lot of rock. The beach is all small rocks about the size of an egg or a bit larger. Good yard rock; not much for cabbing, but we did find some that peaked our interest—agate and black jadeite? Just very little.

### Bluff Cove—Palos Verdes

Some members took a trip to Palos Verdes. They came back with rock—blue rock, glaucophane, jadeite.

### George & Pam's Rockshop/BBQ—August 19

We sort through the rocks at the Earth's Treasures Rockshop in Crestline and eat after 11:30 a.m. Be at the OBMS workshop between 9:15—9:30 a.m. to caravan.

**Safety:** Reminder do not go off hiking by yourself. It is too easy to trip and fall. It happens.

## PUBLIC OUTREACH IN RIALTO

We may have another information booth in Rialto. Possibly October. Please let Jessica know if you can help.

## POSSIBLE INDOOR SHOW IN SAN DIMAS

Joey is interested in the club having an indoor show in San Dimas Golf Club.

## CLASSES

It is too hot to hold classes at the workshop.

**If you want to teach a class, please let Jessica or Kim know. The more people sharing their knowledge the better.**

Shelli and Sherry plan to offer wirewrap and chain maille classes.

Lost Wax Casting still needs to be investigated when the weather cools. If you can help, talk with Kim.

Let Jessica or Kim know what type of classes you are interested in taking or giving.

## THANK YOU

Kim recognized some members for their help in keeping the club functioning. Bill B. works often on the workshop equipment. Andy adapts to help open when needed. Jessica quickly adjusts her schedule to fill in to keep the workshop open and solve workshop issues. Mary spends a lot of outside time working on our finances. Jim has kept us going on fieldtrips for many years finding places to go and places to eat along the way. Bill and Sue open the workshop when they are in town. Greg has stepped in this past year to help with opening and with some fieldtrip planning. Thanks to all of these members, we all can enjoy our club!

## MEETING ADJOURNED-POTLUCK FOLLOWED.

## BBQ—THE FOOD WAS PLENTY AND GREAT!

Lots of members came to socialize and enjoy the food. Keep it up!



## SHOP NEWS

**COMMITTEE: BILL BESSETTE,  
SUE ALGER, CALVIN SHIPLEY,  
DON ALEXANDER, GREG VIDLER**

Opening: Jim and Mary are opening on Saturdays.  
Andy is opening on Friday nights. Sue and Bill S. are opening on Tuesday nights. Andy and Greg are opening on the 2nd and 4th Sundays. Jessica is opening as needed.

## WORKSHOP HOURS:

Tuesday & Friday 4—8 p.m.  
Saturday 10 a.m.—3 p.m.  
2nd & 4th Sunday 10 a.m.—2 p.m.

## SLAB SAWS DOWN

Two machines were broken this month. Please be extra careful. Please have someone check your set up before you turn a machine on.

## COUNTERTOPS

Clean off the countertops at the end of the day. Take your stuff home or put it in a locker. We have a lot of members who all need workspace. OBMS is not responsible for loss items.

## SLAB SAWS SHARE EQUIPMENT

If slab saws are in high demand, please share. Just cut one slab and let another person work too. The club is here to support socializing and education about lapidary.

## GRINDING MACHINES

Use enough water on the grinding belts, but not so much it sprays all over. Do not press too hard. It can knock off the diamond quicker. Let the belt do the grinding..

## TRIM SAWS

Used for trimming slabs that are about 1/4 inch to shape them for cabochon making. Do not press hard. It can knock off the diamond from the blade. If the motor stalls or slows, you are pressing too hard.

## EVERYONE CAN HELP

Everyone can help keep the workshop clean. Put things back. Refill supplies. Clean off counters. Empty the trash. Mop, sweep. Ask to help.

**WORK TOGETHER TO KEEP IT A FUN  
PLACE TO BE! WE ARE SO LUCKY TO  
HAVE A WORKSHOP.**

## “HELPFUL HOUND” AWARD

This award recognizes extra work around the workshop. People who give their time to clean up, fix items, and share their knowledge to help the club. We want to thank everyone who helps keep the club and workshop going.

Jan-Julie	Feb—Robin
Mar—Joe	April—Vihn
May—Bill B.	June—Bill B.
July—Arvid	Aug—George & Pam
Sep—Shelli	Oct—Emma
Nov—Greg	Dec—Jim



**Kim – Newsletter:** Keep your e-mail address up-to-date at [kimrocks2@sbcglobal.net](mailto:kimrocks2@sbcglobal.net)

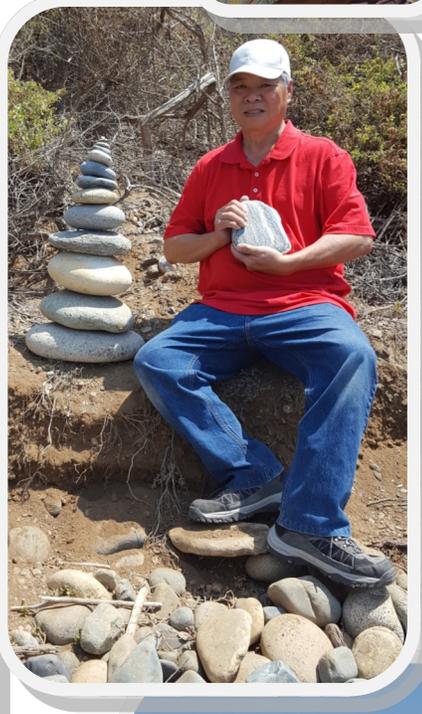
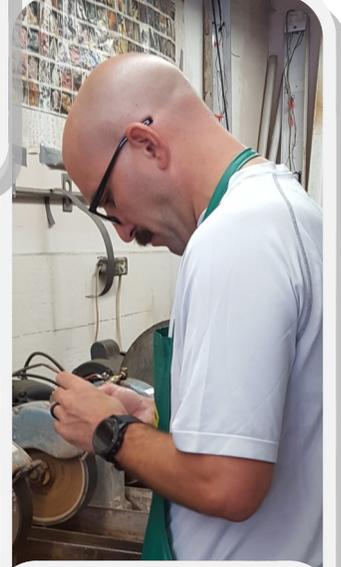
**Mary—Membership Database—**Keep your contact information up-to-date at the workshop.

**Greg & JJ– Facebook:** Orange Belt Mineralogical Society page and check it out.

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

**Andy—Meetup.com—**OBMS Rockhound Group.

**AUGUST 2018—FRIENDS , ROCKS, & JOY**





## SILVER—UNDER \$15



### GETTING STARTED SILVERSMITHING —WHAT TO BUY TO MAKE PENDANTS

The item numbers are from **Riogrande.com**, but there are other places you can buy silver. Locally you can go to Katherine's Beads in Grand Terrace. **The prices below are an estimate at silver being about \$16/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 24 ga. or thicker

100124 Sterling Silver Sheet  
6" x 1.5", 24 ga \$21.33  
- Can make 4 of the 30x22 mm cabs.

**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 \$7.87  
1 foot

104030—Fine Silver Bezel \$4.41  
1 foot, 26 ga, 3/16"

100290—Sterling Silver Strip \$3.38  
1 foot, 28 ga., 3/16"

**Decoration/bail/open back**

100320 Square Wire SS \$2.32  
2 feet, 20 ga.  
(open back, twist for bail)

100316 Round Wire SS \$6.13  
2 feet, 16 ga.  
(open back, bail,  
twist for decoration, 2.6 mm high)

**Solder**

101100 Silver Wire Solder, Easy \$1.08  
101703 Silver Wire Solder, Med \$1.15 x2  
101704 Silver Wire Solder, Hard \$1.15

**Flux**

504086 Handy Flux Paste \$10.75

## 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 Jim, Andy, Penny, Nancy, and Mary making cabs. Tony can help too.

**Slab Cutting**—Almost anyone at the shop can help you slab rocks. You often see Jim, Tien, Don., Greg, Penny, and Bill B. cutting rock.

**Wirewrapping**—Shelli, Jessica, Pam, and Mary are ready to help you learn to wirewrap.

**Wire Weaving**—Shelli and Joey can help you learn.

**Beading** - Jessica and Sherry can help with beading.

**Silversmithing**—Kim, Andy, Mary, Sherri, Tony, and Gia are people who can help.

**Carving**—Tony and Penny are a good sources to help you learn to carve.

**Sphere Making**—Bill B., Tony, and Penny can teach sphere making.

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

**Faceting**—Kim can help you learn to facet.

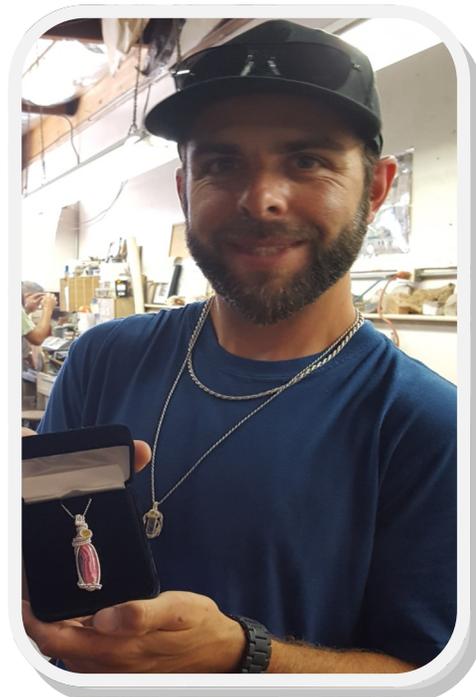
**Lost Wax Casting**—Kim will help. Looking for others to help.

**Tumbling**—Andy and Greg can help you learn to tumble.

**Identifying Rocks**—Tien, Jim, Tony, Bill can help you identify rocks.

If you need help with using equipment, cabbing a stone, or making jewelry, ask around at the workshop. The club is there to support and encourage each other. Remember: be careful and safe. If equipment needs service, leave a note or talk to Bill B.

If you want to be added to this list to help others, let Kim know — at [kimrocks2@sbcglobal.net](mailto:kimrocks2@sbcglobal.net).



## SOME UPCOMING ROCK SHOWS

The <http://www.cfmsinc.org/> site has rock show listings.

You can find show listings for all over the USA and Canada at <http://The-Vug.com>, the <http://www.rockngem.com> site and the magazine too.

No rock shows were scheduled for July!

## ROCK EDUCATION

### FLUORESCENT MINERALS

All minerals have the ability to reflect light which is why we see them. So what is happening with fluorescent minerals? Fluorescent minerals are illuminated by a specific light type with a specific wave length. The type of wave lengths that typically trigger fluorescence are x-rays, ultraviolet waves (UV), and cathode rays! We hear the most about UV light.

Now what is happening when these light waves are hitting the minerals? The light waves activate susceptible electrons within the mineral's atomic structure. These activated electrons then

**JUMP INTO A HIGHER ORBIT** (from absorb energy) within the structure for a small period of time. As soon as they **COME BACK DOWN** to their original orbit, a small amount of **ENERGY IS**

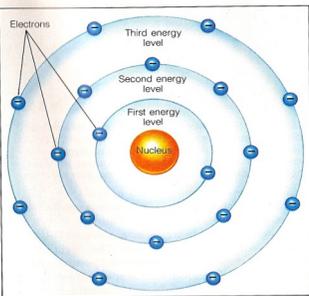
**RELEASED** in the form of light. This release is known as fluorescence. The fluorescence can be seen best in the dark where there is minimal white light. The white light interferes with our ability to see the fluorescence.

### MINERALS ACTIVATOR AND QUENCHERS

The fluorescent glow occurs when atoms absorb the energy from UV light and then reemit it as visible light. UV light is classified into longwave and shortwave. Some minerals fluoresce the same color in both long and short wavelengths, others fluoresce in only one wavelength, and yet other fluoresce different colors in different wavelengths. Many more minerals fluoresce in shortwave than in longwave UV light. (Unfortunately, it is the longwave UV lamps that are inexpensive.)

Smithsonian—The Rock and Gem Box

:Minerals: *What is a Mineral?*



Only particular atoms within the minerals structure are fluorescent. The following elements are known activators: Manganese, Chromium, Iron, Titanium, Copper, Lead, Europium, Cerium, Uranium, Tungstate, Molybdate, Sulfur, and Nitrogen. There are also elements that suppress fluorescence in minerals. Iron, Copper, Nickel, and Cobalt can be fluorescent quenchers.

Fluorescence is not always a reliable method for mineral identification, since minerals of the same species may fluoresce different colors based on different localities. However, once a mineral has been identified, its fluorescent color is sometimes used to identify its place of origin. For example, Calcite may fluoresce red, orange, yellow, white, or green, but it will always fluoresce red at Franklin, New Jersey and bluish-white at Terlingua, Texas.

### PHOSPHORESCENCE

Phosphorescence is a phenomenon exhibited in several fluorescent minerals where the mineral continues to glow even after the UV light source has been removed. The glow slowly fades. Only a few minerals are phosphorescent. A calcite specimen from Terlingua, Texas fluoresces bluish-white with a strong phosphorescence. The Hope Diamond, which is blue, phosphoresces red for several seconds after exposure to shortwave ultraviolet light.

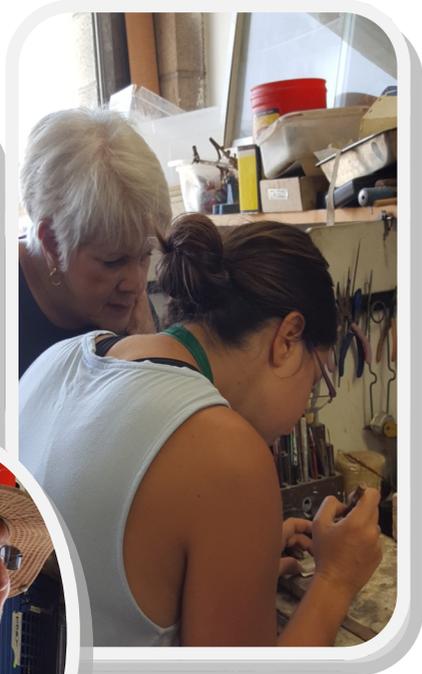
### WHICH ROCKS ARE FLUORESCENT?

Fluorescent rocks include fluorite, calcite, gypsum, ruby, talc, opal, agate, quartz, and amber. Here are just some of the colors: Halite—Red, Sodalite—Orange, Opal—Light Green, Selenite—Pale Blue, Fluorite—Dark Blue, Calcite—Pink.

The presence of impurities are commonly what makes minerals and gemstones fluorescent or phosphorescent.

Geology.com and Minerals.net

**AUGUST 2018—FRIENDS, HOBBY, & JOY**



## 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/](http://WWW.SCHOOLGEMOLOGY.COM/)

### [ISGTURQUOISEBUYERSGUIDE/INDEX.HTML](http://ISGTURQUOISEBUYERSGUIDE/INDEX.HTML)

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

Jewelry Making Supplies:

### [//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

## NATIONAL GEOGRAPHICS TOPOGRAPHICAL MAPS

National Geographics launched a website for printing topographical maps for free.—Thanks, Calvin.

<https://www.natgeomaps.com/trail-maps/pdf-quads/>

### [//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)

☺ ☺ LOCAL ☺ ☺

### 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:

### [//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](http://NEWERAGEMS.COM)

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

### [GEMS A PLENTY](http://GEMS A PLENTY)

575 N Central Ave

Upland, CA

(909) 985-1999

### [EARTH'S TREASURES](http://EARTH'S TREASURES)

582 Alder Rd

Crestline, CA 92407

(909) 338-2010

## 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 less than 2/3 the blade height.
- **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. Tighten the carriage set screws.**

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 or unplug the tubing.
- **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. Close the lid.**
- **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 gets 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 dia-

### 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.
- Note: Dry polishing is bad on the lungs. Wear a mask if you decide to do that..

### CLOSING

- **Grinders:** Make sure all the water valves are closed. Mop in front of the grinders.
- **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.
- **Turn the Main Breakers Switch Off**

<p><b>OBMS Workshop</b> 205 West Benedict #8 San Bernardino, CA 92408 PH (909) 381-0089</p> <p><b>Workshop Hours</b> <b>Tuesday</b> 4 p.m.— 8 p.m.</p> <p><b>Friday</b> 4 p.m.— 8 p.m.</p> <p><b>Saturday</b> 10:00 a.m. – 3:00 p.m.</p> <p><b>2nd &amp; 4th Sunday</b> 10 a.m.— 2:00 p.m.</p> <p><b>Monthly Club Meeting</b> The SECOND Saturday of the month at the workshop most of the time.</p> <p><b>Monthly BBQ or Picnic</b> The SECOND Saturday of the month right after the club meeting. Bring your favorite dish to share and a projects to show.</p>	<b>Sun</b>	<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>
	<b>Sep 2018</b>		<b>Shop 4-8</b>			<b>Shop 4-8</b>	1 <b>Shop 10-3</b>
	2 <b>Fieldtrip San Onofre 7:15</b>	3	4 <b>Shop 4-8</b>	5	6	7 <b>Shop 4-8</b>	<b>8Mtg/BBQ 11:30 a.m.</b> ☺☺☺ <b>Shop 10-3</b>
	9 <b>Shop 10—2</b>	10	11 <b>Shop 4-8</b>	12	13	14 <b>Shop 4-8</b>	15 <b>Shop 10-3</b>
	16	17	18 <b>Shop 4-8</b>	19	20	21 <b>Shop 4-8</b>	22 <b>Shop 10-3</b>
	23 <b>Shop 10—2</b>	24	25 <b>Shop 4-8</b>	26	27	28 <b>Shop 4-8</b>	29 <b>Shop 10-3</b>
	<b>31 Fieldtrip TBD</b>	<p>Newsletter articles and advertisement are due by the 20<sup>th</sup> of the month.</p> <p>Send information for the newsletter to Kim at kim-rocks2@sbcglobal.net</p>					

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