

# STAUROLITE



## NEWSLETTER

July 2017



### BOARD MEMBERS

**President**—Jessica Pearson  
**Vice President**—Tim Summers  
**Recording Secretary**—Andy Petty  
**Corresponding Secretary**—Kim Christensen  
**Advisors**— Bill Bessette, Emma Couveau Geri Gilham, Tony Gilham, Jim Wolford  
**Federation Director**—Jessica Pearson  
**Shop Committee**—Bill Bessette, Sue Alger, Calvin Shipley, Penny Palmer, Rick Palmer  
**Fieldtrips**—JJ Day, Cathy Govaller  
**Membership**—Mary Hedden  
**Facebook** — JJ Day, Tori Aguilar, Nancy Ann Roeder  
**Website**—Cindy Ahlgrim, Penny Palmer  
**Meetup**—Andy Petty  
**Show Prep**—Jeff Mann, Bill Hoskins

### 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 share 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, JULY 8

The club meeting will be around 11:30 a.m. and the BBQ will follow. Theme is "Backyard BBQ" with burgers and hotdogs. Please bring a side dish to share.

### SHOP HOURS

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

### BIRTHDAYS THIS MONTH

Norma Beaton Thomas Gardner James Gass  
Michael Green Evelyn Harper Ben Holeman  
Tony Lopez Preston Lunn Henry Roe  
Beth Street Reina Taylor Roy Taylor  
Wendy West Susan Peters JJ Day

### CLUB ACTIVITIES

#### SUNDAY, JULY 2—MT. BALDY RUBY-CORUNDUM FIELDTRIP

Be at the workshop between 7:30—7:40 a.m.



#### SATURDAY, JULY 8 — MEETING/BBQ STARTING AROUND 11:30 A.M.



George & Pam's Mt. Rockshop Trip and BBQ—  
Date TBD





## MESSAGE FROM THE PRESIDENT

### • JESSICA PEARSON

You can look forward to going to George and Pam's Rockshop in the mountains this July. We had an wonderful time looking through all their rocks last year. Just like last year, we are scheduling a BBQ at their rockshop too. Keep an eye out for the email with the date.

Our Helpful Hound this month is Bill S. He helped out at the workshop cleaning days. He stepped up to help open as needed. He helped to remove the rock sludge from barrels. Check out the pictures. He regularly donates to the workshop. He is thoughtful, kind, and helpful to others. Thanks, Bill S.!

Bill B. and Don have been working on our saws this past month.. Bill has fixed the drop saws and the plastic slab saw. Don has helped remove sludge and worked with Bill. Thanks, Bill B. and Don..

We have scheduled a fieldtrip on July 2 to Mt. Baldy to look for ruby corundum. A real hike in the mountains. In August, we are planning a fieldtrip to Bluff Cove/ Palos Verdes. We will be going when there is a low tide, so more rocks are easy to find. Last year the weather was absolutely perfect.

Thanks to all of you coming down to the workshop ... even in the hot weather. You are true rockhounds! People are sharing ideas and interests. Keep up the good work!

## OBMS GENERAL/BOARD MEETING

June 17, 2017

From Andy/Kim

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

Highlights of the minutes for the previous meeting were published in the OBMS newsletter fro the previous month and distributed via eamail to members. No corrections were made.

**Treasurer's Report**—Mary provided the 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

**Rocks:** Tony is storing some of the shop rocks at his house. Thanks, Tony!

**New Members:** Must pay \$5 workshop fee to work in the workshop. Old members must walk the new member through the cab making process. Please give them hands-on opportunity. Do not do the cab for them. Teach them to use the right amount of water, the whole surface of the grinders, and clean-up.

### Open-Closing Support

We need another person to support opening and closing of the workshop on Monday or Tuesday. Contact Jessica.

### FACEBOOK POSTINGS

Please help to add a few more posts to FACEBOOK.

### RUN THROUGH THE ROCKS

Planning to support Rialto with the Run Through the Rocks event.

### FUNDRAISER DINNER

A fundraiser will be scheduled for the Elks Lodge Taco Tuesday night.

### CFMS SHOW

Unable to attend due to food poisoning.

### THANK JESSICA

Jessica festively decorated the tables for the BBQ and prepared great food for the BBQ. Thanks, Jessica.

### THANK KEN

Ken donated a thermometer for a raffle with attending members. Thanks, Ken.

### FIELDTRIPS

**Mt. Baldy**—Sunday, July 2

George/Pam's Rockshop in July?

Bluff Cove –Palos Verdes in August?

Riverside rock sale in the future.

### CLASSES

**Faceting Class**—Individualized instruction being offered on Saturday afternoons. Sign up with Kim.

### PRIZES:

Beth –thermometer donated by Ken, Ken—Faceted jewel, Don —onyx, Torri—slab, Ollie—slab, Mike—Faceted jewel, Cathy—slab

### MEETING ADJOURNED-BBQ FOLLOWED.



## SHOP NEWS

**COMMITTEE: BILL BESSETTE, SUE ALGER, CALVIN SHIPLEY, PENNY PALMER, RICK PALMER**

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

## WORKSHOP HOURS:

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

## SLAB SAWS ARE WORKING

Bill B. fixed the chop saws. Bill B. added a guard to the Highland Park. Don cleaned out the rock sludge from a chop saw. Bill B. and Don worked on fixing the blue saw.

## 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. Please look after your stuff.

## SLAB SAWS

If slab saws are in high demand, please share. Just cut one slab and let others work too.

## GRINDING MACHINES

Use enough water on the grinding belts. Do not press too hard. It can knock off the diamond quicker. Sponges are being placed inside the grinders hood to help spread the water.

## 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-Ollie	Feb—Barbara
Mar—Cathy	April-Evelyn
May-Sue	June-Bill S.
July-George & Pam	Aug-Stephen
Sep-Tien	Oct-Andy
Nov-Alex	Dec-Ted



**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.

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

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

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

## 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, Bill B., Mary, and Bill H. making cabs. Al can help too.

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

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

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

**Silversmithing**—Arvid and Bill H. are often at the shop and willing to help people learn. Kim is around on Saturday afternoons to help people learn to silver-smith. Bill can help on Tuesday nights. Andy can help on Mondays and Sundays. Mary, Jim, and Gia are others who can help.

**Carving**—Tony is a good source to help you learn to carve.

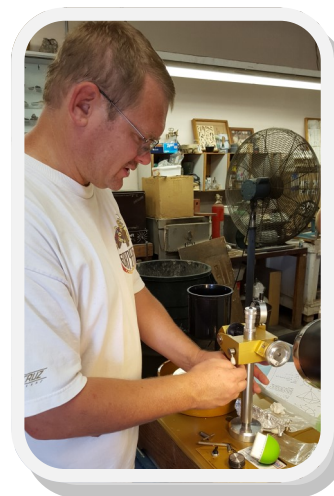
**Sphere Making**—Bill B. and Tony can teach sphere making.

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

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

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

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



## 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.

### JULY 8-9 CULVER CITY, CA

Culver City Rock and Mineral Club  
Veterans Memorial Auditorium  
4117 Overland Blvd.

### CFMS Camp Paradise—Northern California

Website: [www.cfmsinc.org](http://www.cfmsinc.org)

Week 1: Aug. 27—Sep 2

Week 2: Sep. 3—Sep. 9

### OCTOBER 7 –8 BORN, CA

Mojave Mineralogical Society  
Born Community Center  
26998 John St.

### OCTOBER 7 –8 VISTA, CA

Vista Gem & Mineral Society  
Antique Gas & Steam Engine Museum  
2040 North Santa Fe Ave

### OCTOBER 14 –15 TRONA, CA

Searles Lake Gem & Mineral Society  
Gem Show Building  
13337 Main St.

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).

## ROCK EDUCATION

### Specific Gravity

Specific gravity or “heft” of a mineral is its weight per unit volume. It is how heavy mineral feels when held in your hand. Specific gravity can aid in the identification of some minerals.

With practice, people are able to hold a mineral in their hand, and sense whether its specific gravity is light, medium, heavy, or very heavy.

Examples of light weight minerals are halite (2.1 gm/cm<sup>3</sup>) and gypsum (2.3 gm/cm<sup>3</sup>). An example of a medium mineral is quartz (2.7 gm/cm<sup>3</sup>). A heavy mineral is barite (4.5 gm/cm<sup>3</sup>). A very heavy mineral is Galena (7.6 gm/cm<sup>3</sup>) and super heavy mineral is gold (19.3 gm/cm<sup>3</sup>)!

Archimedes is given credit for figuring out specific gravity. He was given the task of figuring out whether King Hieron’s gold crown was real. He discovered a way to test the King’s crown when he stepped into a bath of water and observed the overflow.

Here is the science. Specific gravity is the relative weight of a mineral compared to the weight of an equal volume of water. At 4 degrees centigrade, water weighs its heaviest, and 1 cubic centimeter of water weighs 1 gram.

When a mineral is suspended in water, the mineral is buoyed up by a force, and that force is equal to the amount of water that the mineral displaces. This buoyed force causes the weight of the mineral to be less in water by reducing the effect of gravity.

Since the weight of an equal volume of water is identical with the mineral’s loss in weight when weighed in water at 4 degrees centigrade, specific gravity is easily calculated.

Loss Weight = Dry Weight—Suspended Weight

$$\text{Specific gravity} = \frac{\text{Dry weight}}{\text{Loss Weight}}$$

Here is an example. A corundum crystal weighs 56.699 g in air and when suspended in water weighs 42.524 g. There has been a change or loss of weight of 14.175 g. The dry weight (56.699 g) divided by the loss weight (14.175 g) is the specific gravity (4.0). Note: Specific gravity of some minerals may vary as much as 25 percent from specimen to specimen.

Corundum contains only aluminum and oxygen. Aluminum has a specific gravity of 2.5 and oxygen has a specific gravity of 1.1. They combine to produce corundum with a specific gravity of 4.0. The chemical formula for corundum is Al<sub>2</sub>O<sub>3</sub>.

The specific gravity of a mineral depends both upon the kinds of elements present and upon the way they are held together. Aragonite and calcite have the same chemical formula, yet aragonite is about nine percent heavier because the atoms are closer together.

Another way to measure specific gravity is using Heavy Liquids. By knowing the specific gravity of the liquid, the stones that sink are heavier than the liquid and the stones that float are lighter than the liquid. Think of how oil and water separate.

Using a liquid called bromoform with a specific gravity of 2.89, topaz (3.4-3.6) sinks and quartz (2.7) floats.

The heaviest minerals are metals. Platinum is as high as 19.0, gold 19.31, and silver 10.50. Average minerals with a metallic luster have a specific gravity of 5, such as, pyrite and hematite. While graphite is light weight at 2.23.

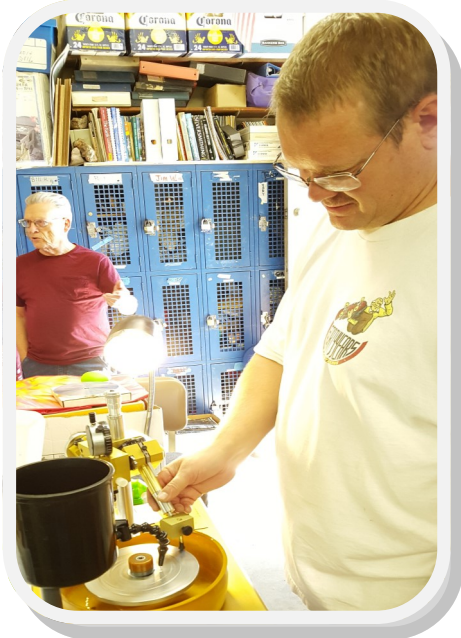
Nonmetallic minerals can likewise be compared. Barite at 4.45 is noticeably heavy. While the most common of minerals quartz, feldspar, and calcite fall between 2.59 to 2.76. Ulexite at 1.65 is obviously light. So, the heft of a stone helps identify the

*Earth Materials and Earth Processes An Introduction*—L. Fichter, G Farmer, J. Clay

*Rocks and Minerals*—R. Pearl

*Rocks and Minerals*—H. Zim, P. Shaffer

*The Complete Book of Rocks and Minerals*—C. Pellant



## SILVER—UNDER \$18



### 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

## 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:

### ☺ ☺ LOCAL ☺ ☺: 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)

☺ ☺ 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

### THOMPSON’S SUPPLIES

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

### 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.**

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.**

### 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 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**

**JUNE 2017—ENJOYING THE HOBBY**



**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.

**Saturday**

10:00 a.m. – 3:00 p.m.

**2nd & 4th Sunday**


10 a.m.—2 p.m.

**Monthly Club Meeting**

The SECOND Saturday of the month at the workshop.

**Monthly BBQ or Picnic**

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

Sun	Mon	Tue	Wed	Thu	Fri	Sat
July 2017	Shop 4-8	Shop 4-8				1 Shop 10-3
2 Mt. Baldy Fieldtrip 7:30 a.m.	3 Shop 4-8	4 Shop 4-8	5	6	7 	8 Mtg/BBQ 11:30 a.m. ☺☺☺
9 Shop 10-2	10 Shop 4-8	11 Shop 4-8	12	13	14	15 Shop 10-3
16	17 Shop 4-8	18 Shop 4-8	19	20	21	22 Shop 10-3
23/30 Shop 10-2	24/31 Shop 4-8	25 Shop 4-8	26	27	28	29 Shop 10-3

Newsletter articles and advertisement are due by the 20<sup>th</sup> of the month.

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