

“CUTTING REMARKS”

The Official Publication of the Old Pueblo Lapidary Club
520-323-9154

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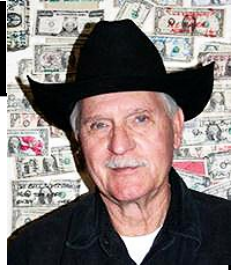
Frank Schleicher (512) 913-4241

Please join us **August 11th** at 9:00am for the monthly meeting. There is an optional social hour that begins at 8:00am followed by an educational program at 9:00am, followed by the monthly meeting. Visitors are always welcome.



Articles or news to be included in the *Cutting Remarks* should be emailed to your Editor, Mike DeMeritt (silverlininggemstones@gmail.com), or feel free to call him at 520-203-8430. Submission deadline is the 20th of each month. Thanks!

THE PREZ SEZ by Pete Peterson



This message is for all of you that missed the July 19, 2012 meeting. Our Vice President, Jean Barkley, put together an informative program regarding OPLC etiquette in the labs.

It was entitled "Keep It Safe, Keep It Clean, Keep It Friendly". The safety part is paramount as we don't want accidents. Use common sense when operating equipment and if you are unsure about using a machine, ask the monitor or instructor. Be aware of the people around you and your surroundings. If you see something that you think is a potential hazard tell a monitor. The Keep It Clean part is also tied in with safety. Wipe your work area clean when you finish. Check the floor where you stand for water or oil and clean your machine. The Friendly part is about working with others and sharing the equipment and leaving it in good condition for the next user. I would add one more category. Keep It Fun. Seeing the results of your work, talking with other OPLC members, exchanging ideas, and showing your finished product to your friends is part of the fun. OPLC members are a friendly group and stop by and enjoy even if you don't have a project.

During the last 2-3 years our lab usage has increased dramatically and we are finding that the equipment needs to be replaced and repaired more often due to heavier use and sometimes misuse. Our goal is to keep all of our equipment in good condition and it is expensive.

We just spent in excess of \$3200 for wheels in the lapidary room. Now don't get me wrong - I think it is great that so many members take advantage of the facilities at OPLC, but with these advantages comes the responsibility of ownership. We need all of you to help. Use the equipment properly, respect the advice of your instructors and monitors, and clean up after yourselves. We don't have janitors. Return club tools to their proper storage areas. Remember, the monitors and instructors are volunteers. They share their knowledge and time to help you. So listen to their advice and let them know how much we appreciate their contribution to our club. Every once in awhile we need to be reminded of these things that keep our club one of the best.

The weather should start cooling off by the end of August and it will be interesting to hear what our Field Trip committee has planned for us this fall at the next meeting.

Well that's enough for now, be safe, do enjoy the club, and have fun.

Pete

WELCOME NEW MEMBERS



Leonard Porras
Stanley Cole
Leila McCollam
John G. Bates

Gerald Mathis
Richard Lippman
Claudia Stone
Gary Wilson

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PRIOR MONTH'S MEETING MINUTES... Pat McMullen, Secretary



Vice President Jean Barkley prepared a powerpoint program to show called "Lab Code Of Conduct".

Using clip art and actual photographs, Jean demonstrated the rules to follow while using the lapidary and other equipment and left us with the slogan "Keep It: Safe, Clean, and Friendly".

A member said he has seen some equipment used improperly and all agreed if that happens, a monitor should step in. It was suggested that we have refresher courses given to members, or videos could be available. All agreed that we need to know how to use the equipment correctly and safely.

President Pete Peterson opened the business meeting at 9:15 am.

Visitors introduced: Barb Elliot and her sister Joyce Martin who enjoyed a tour of the labs given by Mike DeMeritt.

Birthdays: Murray Hiller and Ted Rupp.

Anniversaries: Skip and Jean Barkley.

A motion was passed to accept the June minutes as read.

Financial Report: (Financial reporting is deleted from the newsletter...)

Nominating Committee: Murray Hiller is heading up this committee and Phil Babcock offered to help. We need to find a President and Treasurer. Jean Barkley asked all to "get

out of their comfort zones and think about running for office".

Jim Baker will not be available this week, as he has pneumonia.

Jean Barkley read aloud a very funny and entertaining story from Marshall Trimble's book "Roadside History of Arizona".

The Librarian reported that the library is being used. Nothing new from the historian at this time.

Education: Shiela Powell reported that she used the money given her to buy rocks for education, and Ron Johnson purchased more as a donation to OPLC for educational purposes.

Newsletter: Apparently some corrections need to be made for newsletter distribution, and Mike DeMeritt will get with Frank Scheicher regarding this issue. Both Frank and Mike were thanked for their efforts with membership and sending out the great newsletter.

Norma Lackow thanked Mike DeMeritt for the excellent refreshments today. She has August, September, and October covered. Two volunteers are needed for November. Please call Norma if you would like to sign up for refreshments in the future for our Saturday meetings: Norma at (520) 742-7561.

T-Shirts are for sale and the club ordered both long- and short-sleeved versions.

We adjourned at 9:40 am.

Minutes taken by Twink Monrad.

August Meeting Program

Don't miss this trio of presenters from the Arizona History Museum!

Three representatives from the Arizona History Museum will present information about the museum.

Madison Barkley, curator of natural history-Arizona Experience Museum in Phoenix, will provide an overview of "Arizona Experience/Mining and Mineral Museum- FAQ."

Megan Gately, Education & Outreach Coordinator, will describe programs the Arizona Historical Society offers on geology-related school programs.

Mary Ann Ruelas, the Educator in Education & Outreach Division, will talk about the Arizona History Forum and how Old Pueblo Lapidary can participate.

PERIDOT

Peridot is the gemstone for August, and the name of gem-grade *Olivine*. Olivine is a nesosilicate that occurs as orthorhombic crystals (typically combinations of pinacoids, prisms, and bipyramids), and is mostly granular. It shows no distinct cleavage, and has a conchoidal fracture. Hardness varies from 6.5 - 7.0 on the Moh's scale. It has vitreous luster and is transparent to translucent. Color is from yellowish-green, olive-green, and brown to black with increasing Fe content. There is a complete solid-solution series from *forsterite* (MgSiO₄) to *fayalite* (FeSiO₄). Fe is present as Fe²⁺ and substitutes directly for Mg²⁺. Common olivine has more Mg than Fe. In the crystal structure of olivine, layers of [(Mg,Fe)O₆] octahedral are linked by isolated [SiO₄] tetrahedral. Mg and Fe are randomly distributed in the octahedral positions. Olivine is an important rock-forming mineral, and typically occurs in melanocratic (dark-colored) basic or ultrabasic igneous rocks such as basalt, peridotite, and dunite. In dunite, olivine is by far predominant. It alters to antigorite or other serpentine minerals. Forsterite is also found in metamorphosed dolomitic limestones. Olivine is a common mineral in stony meteorites and constitutes a substantial part of the upper mantle of the Earth.

Peridot, the gem-quality version of Olivine, isn't hard to find. We have the world's most prolific and reliable source here in San Carlos, Arizona. Larger gem crystals from San Carlos have always been hard to find, but a newer source is Pakistan, where the crystals are not only much larger, but typically sport more magnesium (and therefore better apple-green color!) Other new sources include Tanzania, North Korea, China, Vietnam, and a few other south-Asian countries. Peridot can be pesky to polish, but produces beautiful faceted gemstones - give it a try!

Provided by Mike DeMeritt, 2012

AUGUST CUTTING TIPS

Easy Electrolysis At Home...

This is a great tip both for the jewelry owner or those of you who perform jewelry repair, especially in situations where the stone must be left in the mounting, allowing limited cleaning. Professional jewelers often use an electrolysis unit to clean or flash-plate jewelry. These devices are amazing in their ability to perform these tasks. What most don't realize is that they are far less sophisticated than they seem, and a simple "at-home" version can be constructed both easily and affordably!

All you need are the following: a 6- or 9-volt dry-cell battery, Electro-Cleaner salt bath solution (available at most jewelry/lapidary supply stores), a glass bowl, some ordinary copper wire, and a small strip of stainless steel (2.0x0.5x0.125 inches is plenty...)

Attach a length of copper wire to each of the battery leads. Fill the glass bowl with Electro-Cleaner solution, and attach the stainless steel strip to the negative lead coming from the battery (the negative lead is hereafter referred to as the "cathode", and the positive lead referred to as the "anode".) To clean silver or gold, attach the piece in question to your anode, and drop both the anode (with jewelry piece) and the cathode (with stainless steel strip) into the electrolysis bath. The solution will rapidly bubble (it's not a bad idea to put newspaper under your bowl!), and after ten seconds or so, the jewelry piece will sport a thorough cleaning! Over time, as your "machine" works less effectively, it may be necessary to replace the stainless steel strip with a new, clean version.

The machine works by electrically attracting anything other than gold or silver through the salt bath to the stainless cathode. Basically *anything* that isn't silver or gold will end up at the cathode, leaving the anode (the jewelry piece) spotlessly clean! You can use more than one cathode/stainless steel strip (always attached to the negative lead!) to increase the volume of cleaning and decrease the time needed... You may also attach either a volt-meter (across the battery terminals in parallel) or an ammeter (in series on the positive side of the battery), to monitor your setup.

This simple machine may also be used for flash-plating with gold. Many jewelers do this as a simple, economical way of cleaning and polishing a finished piece of jewelry (it is far easier than polishing on wheels/buffs, and gets in every crevice...) For this operation you will need gold-plating solution (the non-cyanide version), a new glass bowl, and new stainless steel strip (**do not use the bowl/steel strip from your electro-cleaner!** Non-cyanide gold-plating solution is available from a company called Delmar Manufacturing out of Chicago, Ill.) Plating is basically the opposite of cleaning - the jewelry piece will be connected to the cathode, and the stainless steel piece is connected to the anode. Now the electrical current will carry the gold particles in the solution to the negative cathode (the jewelry metal), and deposit them there. Presto! In ten-fifteen seconds you'll have a piece of jewelry that looks like it just came off a set of polishing wheels!

Provided by Mike DeMeritt, 2012

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Ad Expires June 2013

DON'T FORGET

Please don't forget to continue to bring in **YOUR** (or anyone else's for that matter) aluminum cans to the Club for recycling. Your contribution would be greatly appreciated to help add \$'s to the Club's treasury. **Thanks!**

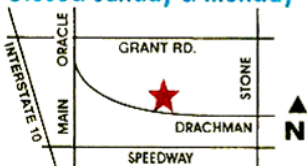
JEWELERS SUPPLIES

GOLD ★ SILVER ★ SHEET ★ WIRE

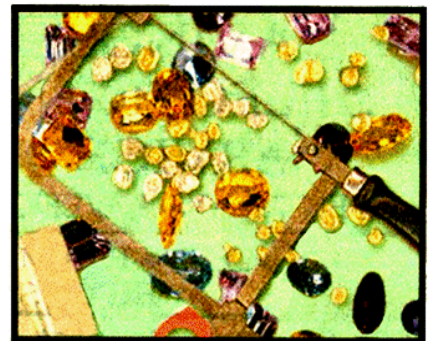
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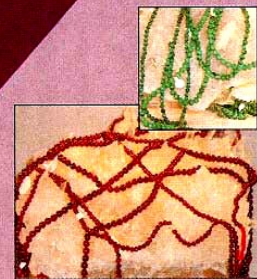
Ad Expires November 2012

MONEY SAVING DISCOUNTS

- **DAH Rock Shop** - 10% on most items. See ad in this issue. 520-323-0781
3401 Dodge Blvd, Tucson
- **Colorwright** - 520-623-3874 Web address: <http://www.color-wright.com/>, **MAILING ADDRESS:** 1520 S Desert Crest Dr., Tucson, AZ 85713. Amount of discount depends on item(s) being purchased.
- **Jay's of Tucson** - 30% discount excluding orange tag items, sterling silver sheet and wire. 520-323-1123 (corner of Speedway & Swan)
4627 E Speedway, Tucson
- **Jed's Rock Shop** - 20% on all items. 520-882-6044 - **6275 N Sandario Rd, Tucson**
- **Copper City Rock Shop** - See ad in this issue. 10% discount with ad. 928-425-7885
566 Ash, Globe, AZ 85501
- **Kent's Tools** - 10% 520-624-8098 - **133 E Grant Road, Tucson**
- **Tucson Mineral & Gem World** - 10% 520-883-0682 Web address:
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Ad Expires March 2013

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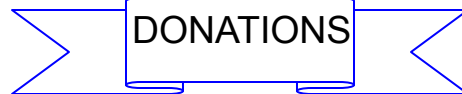
Job 12:8

*One repays a teacher badly if
one always remains a pupil.*

Friedrich Nietzsche

*There's process and there's product. If you're
too concerned about product, it can get in the
way of process...*

Mike Myers



Robert Alexander - Seashells, slabs, geodes, agate and jasper rough, and mineral specimens.

Jim Kriegh passed away and wanted to donate his mineral collection which consists of 24 flats of thumbnails and specimens.

To donate to OPLC, just see or contact Dan Harmsen..

Rate Schedule for Advertisements - - - Ad Sizes & Prices

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\$36.00 per year
\$18.00 per half year
\$3.00 per month

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\$4.00 per month

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\$24.00 per half year
\$4.00 per month

1/2 page - 4 1/2" H by 7 1/4" W
\$96.00 per year
\$8.00 per month

Full page - 9 1/2" H by 7 1/4" W
\$168.00 per year
\$14.00 per month

WEEKLY WORKSHOP SCHEDULE Phone 323-9154

Mondays

1PM - 4PM **Faceting Guild** (Exp. Facetors Only)
Monitor - Paul Head 296-0331

1PM - 4PM **Silversmith Lab**
Monitor - Lou Akerman 290-6968

6PM - 9PM **Beginning Faceting**
Monitor - Earl Zoeller 886-3518

Tuesdays

9AM - Noon **Cabbing**
Monitor - Billy Bob Riley

9AM - Noon **Silversmithing Lab**
Monitor - John Poole 777-5588

10AM - 1PM **Rock Sawing**
Monitor - Jim Baker 886-2126

6PM - 9PM **Silversmithing**
Monitor - Ray Brown 390-5667

Wednesdays

6PM - 9PM **Beginning Casting**
Monitor - Chuck Lundstrom 577-6446

6PM - 9PM **Cabbing**
Monitor - Keith Haubert 784-8283

Thursdays

10AM - 1PM **Rock Sawing**
(BY APPOINTMENT ONLY)
Monitor - Jim Baker 886-2126

Saturdays

9AM - 2PM **Rock Sawing**
Monitor - Jim Griffin 578-3765

(AUG. 4TH IS FINAL DAY UNTIL FURTHER NOTICE!)

10AM - 3PM **Silversmithing**
Monitor - Ray Brown 390-5667

10AM - 3PM **Cabbing***
Monitor - Mike DeMeritt 203-8430

Sundays

12PM - 4PM **Cabbing***
Monitor - Mike DeMeritt 203-8430

***(INSTRUCTION PROVIDED AS AVAILABLE)**

COMMITTEES

ADVERTISING

Melinda Thompson 730-3082

BUILDINGS, GROUNDS & EQUIPMENT

Dave Arens 749-2413

CLASSES & PROGRAMS

Jean Barkley 546-1651

FIELD TRIPS (COMMITTEE)

Jerry Behn 761-1924

Bob O'Donnell 886-0384 (Chairperson)

Shiela Powell 578-1976

Al Romey 325-7263

HISTORIAN

Twink Monrad 297-9454

JUNIOR EDUCATION

Gretchen Arnaiz 747-1511

Sheila Powell 578-1976

KITCHEN

General Membership

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Twink Monrad 297-9454

MEMBERSHIP

Frank Schleicher (512) 913-4241

SECURITY

Ron Davidson 749-3157

SILENT AUCTION

Dan Harmsen 721-8452

Old Pueblo Lapidary Club
 (Cutting Remarks - Aug 2012)
 3118 N. Dale
 Tucson, AZ 85712
 (520) 323-9154

OPLC Membership Application - Please Print

Name1 _____ Name 2 _____ Date _____

Local Address _____

City _____ State ____ Zip Code _____ Phone number (____) _____

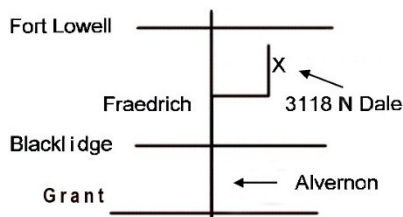
Email address _____ Summer Dates: From _____ To _____

Summer Address _____

City _____ State _____ Zip Code _____

Type of membership:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Annual Renewals
Single Member	\$25.00	\$20.00	\$15.00	\$10.00	\$20.00
Couple (same address)	\$35.00	\$27.00	\$22.00	\$15.00	\$25.00
Junior	\$12.50	\$10.00	\$7.50	\$5.00	\$10.00

Mail to: Membership Chairperson, Old Pueblo Lapidary Club, 3118 N. Dale, Tucson, AZ 85712



The Business Meetings are held on the 2nd Saturday of each month. A pre-meeting social hour (except for the December meeting) is at 8:00 a.m., followed by an educational program, and ends with the monthly meeting. Visitors are most welcome.