

“CUTTING REMARKS”

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

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Vice President - Jean Barkley 546-1651
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2011 - 2011 Ron Davidson 749-3157 (Advisor)

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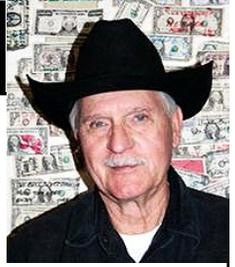
Wayne Klement 954-6298

Please join us **January 12th** 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 is my last chance to thank all of you as a group for all of the things we have accomplished through your volunteerism and hard work these past three years. I was surprised and impressed by the enthusiasm and energy put into completing our many projects. I also want to thank all of the Board members and Officers for your support, direction, and ideas. Welcome to the newly elected Officers and Board members as well as those continuing on in their terms. Good luck and all the best to all of you.

Some things coming up this month and next month are; the HOB NOB at our facility, which will need volunteers to set up tables, clean up the place, open and close the Club the night of the event, help in the kitchen, registration, and to watch over the gems brought in for competition. We usually set up for the Hob Nob immediately after the January meeting. The next obligation is our demonstration booth at the Tucson Gem and Mineral Show. Volunteer sign-up sheets are on the table near the back of the meeting room. It is important that you sign up at the January meeting because this is the last time these sign up sheets will be available as they must be turned in so TGMS has time to get name tag/badges ready for volunteers for the February show.

And now for some not so nice news. What we, the Board, as well as the instructors and monitors have observed, is an alarming disappearance of material including tools, building materials such as plastic pipe, plywood, sheet rock, a small cutting torch, screw drivers and miscellaneous hardware from the tool rack,

and last year even a clock from the kitchen disappeared. Not everything that is lying on the work bench or standing in a corner or just misplaced is up for grabs. As a matter of fact, the only things that are free are those things that are on the FREE TABLE in the meeting room and on the FREE TABLE in the Training Center. And by the way, the Foredom that disappeared is still missing. If you are in doubt about the status of something you see lying about, ask. If this continues we may need to consider locking everything up and members would have to bring their own tools or sign them out from the monitor when needed and return them before leaving.

On a lighter note, the enclosure of the hall, including a new ceiling, the wall, plus insulation of both, and new light fixtures will be complete by the end of this month. This was the last project of my tenure and it has turned out good. Thank you to the little group of volunteers that worked through the unpredictable weather (sometimes frigid and sometimes hot) to complete this project.

Finally, congratulations to our new President and his Officers and Board for this year, 2013.

I have enjoyed my experience as President of the OPLC and the support and good fellowship I have enjoyed with the members of the Club. I know you will support your new leaders as you have supported me.

Thanks again.
Pete

SYLVIA'S CORNER

Sylvia Czayo would like to gently remind you that if you have signed up for a class and will not be able to show up, please call the instructor or monitor so another member may be afforded the opportunity to occupy the vacancy left by your absence. **Thanks!**

Cutting Remarks, Volume 2013, Issue 1, January 2013. Published monthly by the Old Pueblo Lapidary Club, 3118 N. Dale, Tucson, AZ 85712. Telephone: (520) 323-9154, a non-profit organization.

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



President Peterson called the meeting to order at 11:15 a.m. Due to the XMAS potluck we did not have a speaker.

New members in attendance were Larry and Janet Jones and Dwight Shannep.

A motion was made to pass the minutes of the last meeting, seconded and approved.

Treasurer Diana Hara gave her report. The audit of the Treasurer was completed to the satisfaction of the auditors.

Pete asked for help in finishing the hallways in the lab areas. Anyone who can help please contact Pete ASAP.

The sign up sheets for the TGMS Show are out on the table in the back. Sign up as soon as possible if you wish to work the show.

We have a need for substitute monitors. Ted Rupp, Dennis Murphy, Mike Tucker, Rim Talet-Kelpsa and Ray Hulbert have signed up; however, we can always use more volunteers.

The Club will now give one free ticket for the drawings to any member who wears their name badge at the meetings.

The Rock Box has been installed for those wanting to drop off material to be cut when the saw room is closed and for picking up material that has already been cut. The monitors will have keys to the Rock Box. Please have your material marked in the direction you want it cut. Be sure to fill out the paper work completely in case additional information is needed in the cutting. Monitors will collect the fee for the cutting. Please pay with either check or the correct amount of cash as the monitors are not able to make change.

Committee Reports:

- Melinda Thompson, Ad Chair, announced an old-new customer, Arizona Lapidary, is offering members a 10% discount and 50% off on selected items today only.

- Vice President Jean Barkley, Classes and Program Chair, announced Billy Bob Riley and Mike Tucker will have cabbing classes next year.
- Barb Elliott will start a beading and jewelry class if she receives enough interest.
- Jean said there won't be a program in January due to the reading of the new budget and swearing in of the new board members. There will be no meeting in February due to our involvement with the TGMS Show.

Pete called for a vote on the new slate of officers: John Poole, President; Jean Barkley, Vice President; Mark Gibson, Treasurer; Twink Monrad, Secretary. Board members are Ted Rupp for 2013 and Jim Baker, for 2013-2014 and Pat McMullen filling in for Ray Brown. Skip Barkley read the slate of Officers. A motion was made to cease any further nominations, was seconded and passed.

Boba O'Donnell, Field Trip Chair, has a potential field trip planned for the end of the month to the Silver Bell Mine which will be led by Rim Talet-Kelpsa. Twink Monrad, our Historian, received a poster from Les Lawrence from the OPLC early days. The poster will be framed and hung in the clubhouse. Thanks Les! Membership Chair Wayne Klement wants all those who haven't picked up their membership badges and cards to please do so ASAP. Jean Barkley thanked all committee chairs, monitors/instructors for a job well done in the past year. Danny Harmsen declares the Silent Auction is progressing excellently.

Mike DeMeritt said he won't have a cabbing lab next Sunday

Pete thanked all the volunteers in his three years as President, and all we have accomplished, and especially his wife Ginny

Peterson, Diana Hara, and Mark Gibson.

Janet Rupp, our excellent Sanitation Engineer, was given a round of applause for her diligent work in the rest rooms.

Pete adjourned the meeting.

WELCOME NEW MEMBERS



Don Bahr
Justin Baker
Linda Closs
Nanette Glover
Emily Hall

Triana Hernandez
Jim and Betsy Preston
Lee Scheller
Robert Skye
Michael and Janice Whelan

It's that time of year again..... time to renew your dues, if you haven't already done so. All memberships expire December 31st and renewal dues are payable January 1st of each year. Please fill out the form below when submitting your payment. You need to only fill in your name and date, unless some of the other information has changed (telephone number, email address, etc.). Please call or email me if you have any questions. Thanks, Wayne Klement, Membership Chair @ 954-6298 or wayneklem@aol.com

OPLC Membership Renewal - Please Print

Date _____

Name (s) : _____

Local Address: _____

City _____ State _____ Zip Code _____

Phone number (_____) _____ Email address: _____

Summer Dates: From _____ To _____

Summer Address: _____

City _____ State _____ Zip Code _____

Type of membership: Annual Renewal (2013)

Single Member	\$20.00
Couple (same address)	\$25.00
Junior	\$10.00

JANUARY'S GEMSTONE: GARNET

January has the distinction of owning not a single gem species, but rather a group of inter-related nesosilicates called **Garnets**. Garnets, widespread minerals that are particularly abundant in metamorphic rocks, are easily recognizable, since they are generally found as well-developed crystals with very characteristic crystal forms. Garnets form as 12-sided dodecahedrons, and occasionally as trapezohedrons, 24-sided crystals that can also be called icositetrahedrons. They can also be found as massives in fine- to coarse-granular. Moh's hardness is approximately 7.0, and density varies from 3.5 - 4.3. It has a vitreous, or occasionally resinous, luster, and is transparent to translucent. Garnets possess no cleavage planes, and have a conchoidal fracture. The general chemical formula for Garnet is $A_3B_2(SiO_4)_3$, in which *A* includes relatively large divalent ions such as Magnesium (Mg^{2+}), Iron (Fe^{2+}), Manganese (Mn^{2+}), or Calcium (Ca^{2+}); and *B* relatively small trivalent ions such as Aluminum (Al^{3+}), Iron (Fe^{3+}), or Chromium (Cr^{3+}), along with a host of others. *A* and *B* refer to positions in the crystal structure in which *A* is surrounded by eight O atoms at the corners of a polyhedron resembling a distorted cube, and *B* is surrounded by six O atoms in octahedral positions. Si is in isolated tetrahedra and is normally not replaced by other elements. The group includes the following end-members: *Pyrope*, $Mg_3Al_2(SiO_4)_3$; *Almandine*, $Fe_3Al_2(SiO_4)_3$; *Spessartine*, $Mn_3Al_2(SiO_4)_3$; *Grossular*, $Ca_3Al_2(SiO_4)_3$; *Andradite*, $Ca_3Fe_2(SiO_4)_3$; *Uvarovite*, $Ca_3Cr_2(SiO_4)_3$; and *Schorlomite*, $Ca_3(Ti,Fe)_2[(Si,Fe)_2O_4]_3$. Garnets are divided into two species, *Pyrospite* (pyrope, almandine, and spessartine), and *Ugrandite* (uvarovite, grossular, and andradite). Considerable solid solution exists within each series, but the miscibility between the two series is very limited (in non-gemologist-speak, this means that many garnets will be combinations of either pyrope, almandine, and spessartite; or uvarovite, grossular, and andradite; and very few will be combinations that jump across the two distinct species). Pyrope occurs in ultrabasic rocks such as peridotites and the serpentinites derived from them; it is also found in high-grade metamorphic rocks rich in Mg. Almandine is common in metamorphic rocks such as gneisses and schists and also in sediments. Spessartine is found in granite pegmatites and in metamorphic Mn-rich rocks. Grossular and Andradite are typically found in contact-metamorphosed or regionally metamorphosed impure limestones, commonly in association with other skarn minerals and sulphides. Schorlomite is found in heavy-alkaline rocks. Uvarovite is uncommon and only occurs in Cr-bearing serpentinites.

Garnets are found the world over, and important deposits include Four Corners, Arizona; Umba River, Tanzania; Teita Hills on the border of Tanzania and Kenya; the Ural Mountains of Russia; and the Stikine River in Alaska. There are far too many others to list here! Unlike quartz, a gem variety known for stones of lesser value, garnets run the gamut, from lowly "Rose Rhodolite" (a gem-almandine garnet), to Demantoid and "Tsavorite" (gem andradite and grossularite varieties). As a person within the industry for many years, I believe the time is coming where Tsavorite garnet will replace emerald as the "King of Green Gemstones" (this is easy to understand - the garnet has a higher refractive index, is more typically found "gem-clean", and doesn't possess emerald's "fussy" nature as a stone that can be brittle and difficult to work with...) With its lack of cleavage and decent hardness, garnets cut and polish very easily for the lapidary of any skill level. The only bad news here for those of you experiencing trouble with garnets is that you shouldn't be! I always recommend garnets to those I teach faceting to, and the broad range of costs makes the less-expensive varieties very affordable for amateurs. So, the next time you reach for a piece of facet rough at the gem show booth, try a garnet! You'll be happy you did!

Compiled & Written by Mike DeMeritt, 2012

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Ad Expires Mar 2013



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Ad Expires June 2013

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**HOURS: (TUES - SAT 9:30 - 5:30
 (CLOSED SUN & MON))**

**OPLC MEMBERS RECEIVE 10%
 OFF ON ALL MERCHANDISE
 EXCEPT SPECIALS.
 STERLING SILVER WIRES AND
 SHEET RECEIVE THE NEXT PRICE
 BREAK**

Ad Expires March 2013

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:
www.tucsonmineral.com
2801 South Kinney Road, Tucson

OPLC SHIRTS

Don't forget that there are OPLC T-shirts for sale in both long and short-sleeved versions! Long-sleeved shirts are \$15, and short-sleeved shirts are \$12. What a bargain! And all proceeds benefit the club. Be sure to show your appreciation and pick one (or two!) up!

Thanks, everybody!



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

LIBRARIAN

Twink Monrad 297-9454

MEMBERSHIP

Wayne Klement 954-6298

SECURITY

Ron Davidson 749-3157

SILENT AUCTION

Dan Harmsen 721-8452



Richard Flagg - 14-inch saw, 7-inch drop saw, extra blades, variable speed unit.

Don & Ferol Wegnen - 2 polishers, grit, grinder, and tumbler.

To donate to OPLC, just see or contact Dan Harmsen. at 721-8452.

ADDITIONAL DUES RENEWAL REMINDER!

Don't forget to renew your OPLC dues!

**This newsletter will be your last newsletter until
you renew your dues for 2013.**

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

6PM - 9PM **Silversmithing Lab**
Monitor - Bill Cascio 638-8144

Thursdays

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

Fridays

9AM - 12PM **Cabbing**
Monitor - Danny Harmsen 721-8452

Saturdays

8AM - 12PM **Rock Sawing**
Monitor - Jim Griffin

10AM - 3PM **Silversmithing**
Monitor - Terry Cox

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

Sundays

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

***(INSTRUCTION PROVIDED AS AVAILABLE)**

Reminder: Cabbing Labs on Saturday and Sunday will be closed during the gem show (Feb. 2, 3, 9, and 10). Check with other monitors during the show to be sure they are open!

NOTE FROM THE EDITOR

I just wanted to remind the membership to note what a fantastic job the outgoing OPLC Officers and Board members have done. We owe these people our sincere gratitude for the tireless hours they have spent volunteering their time to our Club. And at the risk of picking on one person, in his three years as President of OPLC, Pete Peterson has instituted changes that will be felt for the life of this Club. With those before him constituting a long list of very impressive people (not to mention rockhounds!), Pete has been the cream of the crop. I grieve for my friend John Poole, who certainly has some huge shoes to fill. Jean Barkley, Diana Hara, and Pat McMullen were just the right people to work alongside such a strong president. We will miss them all in their positions here at OPLC, and wish them the very best. Thanks guys! And all the best to the incoming Officers, as well.

I also wanted to remind everybody that you ("yes, you!") can be in the newsletter! Just write an article, take some pictures, or even just pass along some funny anecdotes - no matter what is going on, I'm always looking for content. Anyone who would like to do a series, or monthly column, just e-mail or phone me, and I'll be happy to get you started. There isn't much to it, and the increased content is good for the club. Don't forget, this applies to "you"! Have fun and cut some nice stones, Mike DeMeritt

Old Pueblo Lapidary Club
 (Cutting Remarks - Jan 2013)
 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 (____) _____

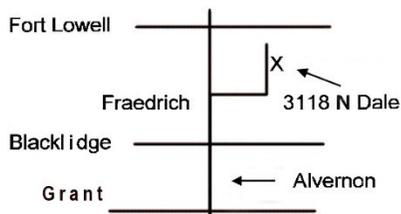
Email address _____ Summer Dates: From _____ To _____

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.