

“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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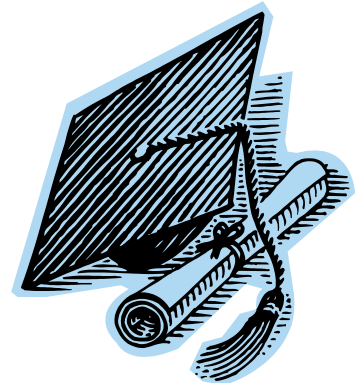
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Membership Chairperson

Wayne Klement 954-6298

Please join us **May 11th** at 9 am for the monthly meeting. There is an optional social hour that begins at 8 am followed by an educational program that begins at 9 am, followed by the 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 John Poole



May is here, more of our members have headed to cooler locations, and it isn't even 100 degrees yet! Those of us who summer here will hide out in our air-conditioned workshops, homes, and cars, and enjoy the less busy and less crowded spaces at OPLC and elsewhere. But always know, you'll be welcomed back!

We had our Spring clean-up April 20th, and due to a stomach bug I did not make it, sorry. However, Pete Petersen, past Prez and all-around good guy, came to my and the club's rescue again! Some ladies cleaned the kitchen - thanks to Twink Monrad, Jean Barkley, and Melinda Thompson! Pete Petersen, Mark Gibson, Don Morin, Skip Barkley, John Thompson, and Ruby Munson trimmed trees, got the cooler up and running, cleaned a trap behind the training center, and various other tasks. A job well done! Thanks, folks!

The Pima County Fair went very well. Set-up went smoothly, with plenty of volunteer help. The display looked great; however, I was a little disappointed that more of our club members who cast and fabricate jewelry didn't participate. Murray Hiller, Fair Chairperson, will give a full report at our May meeting.

Mark Gibson, our Treasurer, reported at our April meeting that we sold \$143.00 worth of raffle tickets, good going! Don't forget, if you wear your club badge to the meeting, you get a free ticket with a purchase.

Summer is coming and folks are hitting the road. Our May meeting is May 11th. I'll be there and hope to see many smiling faces, some familiar, and some new.

John

WELCOME NEW MEMBERS



Jonas Desantos
George Ehnat
Kim Filips
Kim Kirkpatrick

Vance Luke
Lori Madrazo
Robert Robuck

PRIOR MONTH'S MEETING MINUTES... Twink Monrad, Secretary



The meeting was brought to order by President John Poole at 9 AM.

The meeting opened with a DVD called Agates Up Close which featured gorgeous photography and audio describing many agates from around the world. John thanked Jean for renting the DVD for our use.

Jean Barkley thanked Margaret Schreifels and Patti and Mark Davidson for furnishing refreshments.

Norma Lackow asked for volunteers to sign up for future meetings. Her phone number is 742-7561.

Five new members attending the meeting were introduced.

Mark Gibson gave a treasurer's report which will be filed for audit.

Correction to March minutes: Dennis Murphy stated that he was unable to be the substitute monitor when Mike DeMeritt was on vacation as written in the minutes. Mike Tucker stepped in to volunteer instead. Thank you Mike.

Jean Barkley announced that a copy of the material safety data sheets (MSDS) which she has been preparing have been placed in the classrooms. These are mandatory in many workplaces and Jean suggests that all become familiar with the information contained in the booklets. John Poole thanked Jean for all of her hard work in producing the MSDS booklets for the Club.

Wayne Klement reported that a Tucson Botanical Garden board member has purchased the home of the late Harrison Yocum, a beloved rockhound who led many of us on rock hunting trips. The new owner has redistributed some of Harrison's huge rock collections and has used some of it in a new

rock wall. He has made many improvements in the house and some of the rocks are being utilized at TBG in the gardens there.

Pima County Fair OPLC booth: Murray Hiller reports that his schedule is filled and all is under control. Our booth will be open from 10 AM to 6 PM each day.

Advertising: nothing to report

Field trips: nothing to report.

Education: Sheila Powell is requesting some volunteer help. She has just prepared and delivered 20 rock kits for schoolteachers.

Sheila would like help as one person is not enough to keep the project going. John Poole asked that some of consider helping Sheila with the education project as education is one of the main purposes of the Old Pueblo Lapidary Club.

Membership: Wayne Klement reported that we have 281 paid members.

Security: Ron Davidson said everything is going well.

Silent Auction: Danny Harmsen said all is excellent.

Library: Twink Monrad urged all members to keep using our library. New member Emily Hall will assist Twink when needed.

NEW BUSINESS: John Poole announced that Saturday April 20th will be our annual Spring Cleaning. Cleanup will be done inside the buildings and outside, all are urged to help.

When Dr. Bob from Kartchner Caverns asked for assistance from our Club to cut some stalagmites, stalactites and flowstone, Jim Baker agreed to do the sawing. He cut some very thin slices of the flow stone and one of these slices is on loan from State Parks to

OPLC for display. We will furnish a stand with back lighting and put it in a display cabinet in the meeting room.

Member suggestion regarding the casting room: the member is asking the Club to buy a larger kiln. If the board receives a proposal it will be discussed.

Cabbing room schedule: As summer approaches the schedules change for some of the monitors. All should check the schedules posted on the website.

Cabbing room wheel use: Members are continuing to use the wheels improperly. The whole surface area needs to be used instead of just the centers. The wheels will last longer

and costs will be kept down if used correctly. A suggestion was made to put a sign by each machine showing the cost of the wheel replacement . John Poole recently gave a tour of our OPLC facilities to a professional silversmith and he was totally impressed with the quality of our equipment and volunteers which are offered to our Club members.

Door Prize was won by Bill Kennedy.

A tour of our classrooms will be offered after our meeting.

Raffle prizes were drawn and the meeting was adjourned at 10:50 AM.

Twink Monrad , Secretary

Long-time member Eulaine Turner, age 75, and wife of Jerry Turner, died March 20th, 2013, of congestive heart failure due to long-term treatment of cancer.

Jerry and Eulaine are the owners of Jed's Rock Shop on 6275 North Sandario Road, formerly Miracle Mile. They are also long-time advertisers in this newsletter.

Fifteen foster children that Eulaine welcomed into her home were notified, and all attended her Memorial Service.

-Thanks to Ruby Munson for sharing this with our membership-

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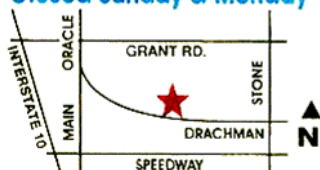
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Saturday 10-2

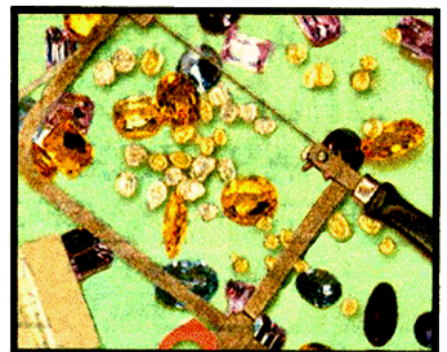
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Education Report

Education Report: 20 "Hands on Minerals" boxes were sent out in March, to teachers who signed up for them at our booth at the TGMS. Mr. Wooster spent several hours helping me pack the boxes, taking a break from the cabbing room, THANKS! In April, a booth was set up at Robins' Elementary School, where Ana Dunbar, a school volunteer helped me set up a RAY MINE MINERAL DISPLAY and the minerals to hand out to the students. It was a great success!! Also, Triana Hernandez has volunteered to assist in the Education Program.



Note From The Editor

I just wanted to apologize for the this month's newsletter. The lateness and lack of content were caused by a recent computer crash, and I had to scramble at the last minute to get everything done (again!). The original was much better (of course, it's easy to say that, since there's no way to recover it!) I had a fairly extensive "Shop Tips" article that was simply too difficult to re-do for this month's newsletter, but I'll try to re-write it for next month with some other new stuff I've thought of. Many thanks to Shiela Ronspees and Ruby Munson for contributions this month - luckily, your articles came through email and snail mail, so my computer crash didn't destroy them... They were extremely helpful in turning out a respectable paper this month, and I very much appreciate it. If anyone else would like to contribute, don't hesitate to send it in!

Thanks much, Mike

MAY GEMSTONE: EMERALD



6.84 Carat Fine Gem Emerald
From the Author's Collection

May's birthstone is the fabulous variety of Beryl known as **Emerald**. Beryl forms commonly as simple, prismatic, hexagonal crystals, whose prism faces are often vertically striated or grooved. It has indistinct cleavage on the basal {0001} plane, and conchoidal or uneven fracture. Hardness varies from 7.5 - 8.0 on the Moh's Scale, with relatively fragile emerald usually coming in closer to 7.5. It has a density of roughly 2.7. It has a vitreous luster, is transparent to translucent, and large crystals can vary in transparency. This is especially true with emerald, whose formation happens in such violently magmatic conditions as to virtually assure a variety of inclusions (emeralds are known for their *Jardin*, a French word for "Garden"- the mass of inclusions leaves the impression of a painted garden landscape...)

As I explained for Aquamarine (another form of beryl) in the March issue, the crystal structure of beryl is characterized by sixfold rings of [SiO₄] tetrahedra that lie on top of each other and thus form endless channels along the *c*-axis of the crystal. The rings are linked by [BeO₄] tetrahedra and [AlO₆] octahedral. In addition to the main elements of beryl, minor amounts of Li, Na, or other alkalioid metals can be present (like H₂O or CO₂, they can be accommodated in the channels.) Color is caused by chromophores in the form of transition elements, and typically, Chromium (as Cr³⁺) is responsible for the deep-green in emerald. Vanadium may also act as a chromophore, either by itself, or in concert with the Chromium. Though Iron may color beryl green, it is not considered an emerald unless the chromophore is Chromium or Vanadium (Iron-green beryls are simply called "Green Beryl" or even labeled as aquamarines...) With aquamarines, the crystals are often long; by contrast, pink beryl (Morganite) typically assumes short, stubby, tabular crystals. Emerald falls in between these ranges, with mostly shorter, smaller crystals that are very rarely tabular.



Emerald Rough from Muzo, Columbia

Most beryl is found in granitic pegmatites, but emerald is an exception - it most frequently occurs in mica-schists, or veins and cavities in bituminous limestone (like the famous emerald mines of Muzo, Columbia.)



Outstanding Emerald on Calcite Cabinet Specimen

Emerald is found in few places, and important deposits include Muzo and Chivor, Columbia; Bahia and Goias, Brazil; Pakistan; Afghanistan; and Hiddenite, North Carolina. There are African deposits as well, though many of these really only produce green beryl (colored by Fe²⁺). Fine, gem-quality emeralds are exceptionally rare, and rank among the most expensive and sought-after of all gemstones. Those with May birthdays couldn't be prouder!

-Written/Compiled by Mike DeMeritt, 2013

*The smith also sitteth by the anvil,
And fighteth with the heat of the furnace,
And noise of the hammer and the anvil is ever in his ears,
And his eyes look still upon the pattern
Of the thing that he maketh.
He setteth his mind to finish his work,
And waiteth to polish it perfectly.*

- Ecclesiasticus

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!



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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
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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**
- **Arizona Lapidary** - 10% discount for OPLC members. See ad in this issue. 520-399-6641
4699 E Pima St, Tucson

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!**

Rate Schedule for Advertisements - - - Ad Sizes & Prices

1/8 of a page -
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ADVERTISING

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Dave Arens 749-2413

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Jean Barkley 546-1651

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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

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 - Mike DeMeritt 203-8430

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

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

1PM - 4PM **Faceting***
Monitor - Mike DeMeritt 203-8430

6PM - 9PM **Silversmithing**
Monitor - Billy Bob Riley 225-9060

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

6PM - 9PM **Faceting***
Monitor—Billy Bob Riley 225-9060

Thursdays

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

Fridays

9AM - 12PM **Cabbing**
Monitor - Danny Harmsen 721-8452
**(LAST LAB MAY 10th FOR DAN HARMSSEN,
THEN MIKE DEMERITT WILL MONITOR)**

Saturdays

8AM - 12PM **Rock Sawing**
Monitor - Jim Griffin
10AM - 3PM **Silversmithing**
Monitor - Terry Cox 296-4949
10AM - 3PM **Cabbing**
Monitor - Billy Bob Riley 225-9060

*** INSTRUCTION PROVIDED AS AVAILABLE,
MAY REQUIRE DOUBLE-PUNCHED
HOURS**



Falk Burger - magazines, Indian Silversmithing Books, Other books

Ruby Munson - Freedom polishing points

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

Old Pueblo Lapidary Club
 (Cutting Remarks - May 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 (____) _____

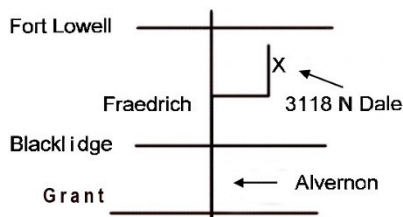
Email address _____ Summer Dates: From _____ To _____

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.