

# “CUTTING REMARKS”

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

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Please join us **May 9th** 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](mailto:silverlininggemstones@gmail.com)), or feel free to call him at 520-203-8430. Submission deadline is the 20<sup>th</sup> of each month. Thanks!

**THE PREZ SEZ** ..... by John Poole



Hi folks!

May is here and it's warming up. By the time you read this the County Fair will be behind us. I had a great time at our booth talking to kids, young and old. Charlie Reece's sphere machine sure gets their attention! It's amazing how many people will stand there and watch that rock roll, twist, and turn - Thanks Charlie!

A big Thank-You to Bob Powell and Dennis Murphy for co-chairing this event. And another Thank-You to all who helped: set-up and tear-down, manning the booth,

and bringing your handcrafted works of art to be displayed.

I'll see you at the meeting, May 9th, for coffee and treats. Don't forget the raffle. I'm sure Dennis and Phil will have some great items on the table. Wear your OPLC name badge and get a free raffle ticket with purchase. Thanks you for supporting your Club!

-John

**New Member Andrea Laverty had "some success"  
With her second field trip ever at Steven Joey's  
Peridot mine in San Carlos, Arizona.  
Great job, Andrea!**



**Front Cover Pictures:** Outstanding faceted **Emeralds**, May's beautiful birthstone. Extra-fine gem-quality **Chrysoprase** masquerading as the finest jade gets a big "thumbs up!" from this editor!

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OPLC MONTHLY MEETING April  
11, 2015

President John Poole brought the meeting to order after thanking our guest speaker Linda Rushton, President, Santa Cruz Nature and Heritage, Inc. who told us about the upcoming festival held yearly in April in the Nogales, Arizona area. She brought plenty of interesting photos of the activities and scenery in the area.

Membership: We have over 400 members. One new member was introduced and we had over 90 attending the meeting. Many had to park on the street.

Minutes of March meeting: After one correction changing the date May 1 to May 2nd, the minutes were approved as printed in the April Cutting Remarks. John Poole thanked Mike DeMeritt for producing another great newsletter.

Treasurer's report: Mark Gibson reported that we have used 14% of our budget as of April and his report will be filed for audit. John Poole took the donated aluminum cans and made more money for the Club.

PIMA COUNTY FAIR OPLC BOOTH: Bob Powell has done a great job signing up volunteers for our booth and still would like members to donate lapidary items or jewelry they have made to display in the locked glass cabinets during the Fair. Charlie Reece III will again have his sphere making machine operating during the Fair, this is always an attraction for both children and adults.

FIELD TRIP REPORTS: Skip Barkley reported that the trip to Pearce, AZ for

banded agate and amethyst was successful and fun for those who attended, 10 vehicles were in the caravan. Wolfgang Mueller said that his trip to Mission Mine was good and he brought some samples he gathered to add to the raffle table. Melinda Thompson led a nice trip for peridot and related that one of our new members on one of her first field trips found some incredible pieces of peridot which she had gathered on the surface. The May 2<sup>nd</sup> and 3<sup>rd</sup> petrified wood and sandstone hunting trip to Taylor, AZ area is still on and Janelle Cortright will be leading that outing.

Comments on our hobbies related to OPLC: One member reminded us that sometimes prices that may be quoted for different minerals may be exaggerated and that we should remember that we are in this hobby for enjoyment. Another member, Elwyn Wooster, then told us that after losing a job many years ago, he decided to open a rock shop in Maine and has made a nice living there doing what he loves. Elwyn also had some news for us. He announced that he and Carol will be leaving the Club as they will no longer be traveling out to Arizona for part of the year as they have been doing- although he told us that he might make a sudden trip to our Silent Auction!

The door prize was won by Jonathan Zeigler.

There being no further business, the meeting was adjourned at 10:30 followed by the raffle drawings.

Twink Monrad, Secretary

## MAY 2015 PRESENTATION

Carson Richardson, Geologist with UA's Geosciences Department

“A Geologic Adventure in Time and Space: What Arizona's Rocks Tell Us About the Past”

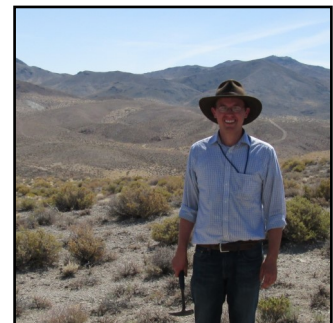
We are in for another unique treat for our May 9, 2015 OPLC monthly meeting. Our speaker will be Carson Richardson, a geologist and outreach coordinator with UA's Geosciences Department. His presentation will be “A Geologic Adventure in Time and Space: What Arizona's Rocks Tell Us About the Past”.

Carson Richardson, the third child to a carpenter and a dentist, was born in Indianapolis, Indiana, and was raised near Peru, Indiana. Carson earned his B.S. in Geology and Anthropology from Ball State University in 2012 during which he spent a year abroad in the UK at Plymouth University.

He moved to Tucson in August 2012 to attend graduate school at the University of Arizona, where he earned his M.S. in Geosciences in May 2014. Carson's MS project was focused on understanding the 3D faulting history associated with the Ann-Mason and Blue Hill deposits in the Yerington mining district, western Nevada. He continues graduate studies at the University of Arizona where he teaches laboratory classes in structural geology and volcanology and is finishing up the first year of his Ph.D., studying the regional structural geology and its association with ore deposits in northern Nevada along the I-80 corridor.

Carson is a member of the Arizona Geological Society, Society of Economic Geologists, and Geological Society of Nevada. He has served as Treasurer of the University of Arizona Society of Economic Geologists Student Chapter since September 2013 and the Outreach Coordinator with UA's Geosciences Department since August 2014.

Looking forward to seeing you all,  
Helen Serras-Herman, OPLC Program chair





## WELCOME NEW MEMBERS



**Warren Faidley**  
**Argyll Amperan**  
**Matthew Colton**  
**Sam Erdem**  
**Martha Erdem**  
**John Gowell**  
**Lillian Gowell**  
**Warren Lazar**  
**Beverly Ross**  
**Adolpho Ruvalcaba**  
**Evelyn Ruvalcaba**  
**Christian Ruvalcaba**  
**Bill Walsh**

**Christine Walsh**  
**Vera Sandeylen**  
**Vicki Entrekin**  
**Tom Entrekin**  
**Stephanie Turner**  
**Pete Turner**  
**Raymond Gray**  
**Elizabeth Ivanov**  
**Maksim Ivanov**  
**Jonk Kisro**  
**Kate Labate**  
**Paul Wright**



**Al Romey:** 12# Agates & Jaspers, book, soldering accessory kit

**Ted Burger:** 8 Agate/Jasper spheres and stands, green garnet & aquamarine crystals

**Sheila Powell:** Mineral specimens for kids' table

**Ted Rupp:** Tumbled Stones

**Phil Babcock:** Assorted Rock

**John Poole:** Rock N Gem & Lapidary Journal magazines

**Farooq Hasmi:** \$500.00 Cash Donation

**Crazy Carl:** \$25.00 Cash Donation

To donate to OPLC, just see or contact Dennis Murphy at 490-9188, or Phil Madsen at 398-5688

## 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 [SiO<sub>4</sub>] 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 [BeO<sub>4</sub>] tetrahedra and [AlO<sub>6</sub>] octahedral. In addition to the main elements of beryl, minor amounts of Li, Na, or other alkalioid metals can be present (like H<sub>2</sub>O or CO<sub>2</sub>, they can be accommodated in the channels.) Color is caused by chromophores in the form of transition elements, and typically, Chromium (as Cr<sup>3+</sup>) 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.

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.)

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 Fe<sup>2+</sup>). 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



Emerald Rough from Muzo, Columbia

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## “THE TREZ SEZ...”

Don't forget to renew your membership, so you'll enjoy uninterrupted use of the facilities here at our fine club!

Renewal forms are available at the club (try asking a monitor) or on the back of this newsletter. Bring your completed forms to Wayne Klement, Mark Gibson, or any monitor or Board Member. Thanks!



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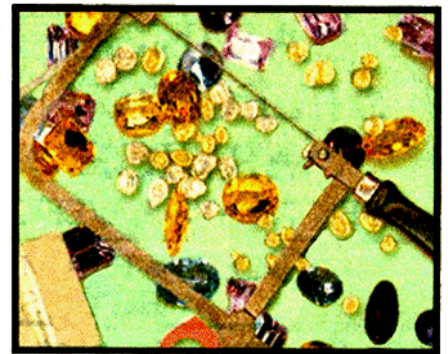
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- **Jay's of Tucson** - 30% discount excluding orange tag items, sterling silver sheet and wire. 520-323-1123 (corner of Speedway & Swan)  
**4627 E Speedway, Tucson**
- **Jed's Rock Shop** - 20% on all items. 520-882-6044 - **6275 N Sandario Rd, Tucson**
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**566 Ash, Globe, AZ 85501**
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- **Tucson Mineral & Gem World** - 10% 520-883-0682 Web address: [www.tucsonmineral.com](http://www.tucsonmineral.com)  
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- **Silver Lining Gemstones** - 20-35% discount on most items. 520-203-8430, or see Mike DeMeritt at any of his labs. Includes eBay Store at [www.stores.ebay.com/high-lonesome-turquoise](http://www.stores.ebay.com/high-lonesome-turquoise).
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### **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!**

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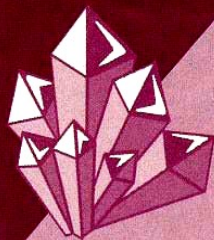
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Shiela Powell 578-1976

Janelle Cortwright 761-1924

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Bill Cascio 638-8144

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Sheila Powell 578-1976

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Phil Madsen 398-5688

### BUSINESS MEETING REFRESHMENTS

Norma Lackow 742-7561

**WEEKLY WORKSHOP SCHEDULE Phone 323-9154**

**Mondays**

9AM - 12PM **Cabbing**

Monitor - Gloria Jean Dana

1PM - 4PM **Faceting Guild**

Monitor - Billy Bob Riley 225-9060

1PM - 4PM **Silversmith Lab**

Monitor - Terry Cox 296-4949

5PM - 9PM **Cabbing**

Monitor - Joseph Blackcoyote 891-6822

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

9AM - Noon **Rock Sawing**

Monitor - Tim Rose

1PM - 4PM **Beginning Faceting**

Monitor - Mike DeMeritt 203-8430

**Wednesdays**

6PM - 9PM **Beginning Casting**

Monitor - Chuck Lundstrom 241-9262

6PM - 9PM **Cabbing**

Monitor - Keith Haubert 784-8283

6PM - 9PM **Silversmithing Lab**

Monitor - Bill Penrose 544-7517

6 PM - 9PM **Faceting**

Monitor - Billy Bob Riley 225-9060

**Thursdays**

9AM - 12PM **Cabbing**

Monitor - Bob Powell 403-8980

9AM - 12PM **Rock Sawing**

Monitor - Pete Peterson 886-9021

6PM - 9PM **Silversmithing**

Monitor - Bill Cascio 638-8144

**Fridays**

9AM - 12PM **Cabbing\***

Monitor - Mike DeMeritt 203-8430

1PM - 4PM **Silversmithing**

Monitor - Terry Cox 296-4949

**Saturdays**

10AM - 3PM **Silversmithing**

Monitor - Terry Cox 296-4949

9:30AM - 2:30PM **Cabbing\***

Monitor - Ron Davidson 400-2125

**Sundays**

10AM - 3PM **Cabbing**

Monitor - Dennis Murphy 490-9188

10AM - 3PM **Silversmithing Lab**

Monitor - Giac D'Aquisto 207-6219

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



Old Pueblo Lapidary Club  
 (Cutting Remarks - May 2015)  
 3118 N. Dale  
 Tucson, AZ 85712  
 (520) 323-9154

OPLC Membership Application - Please Print

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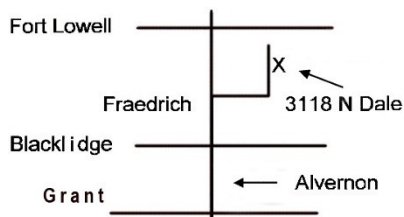
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Type of membership:	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	<u>Annual Renewals</u>
Single Member	\$25.00	\$20.00	\$15.00	\$10.00	\$20.00
Couple (same address)	\$35.00	\$27.00	\$22.00	\$15.00	\$25.00
Junior	\$12.50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