

“CUTTING REMARKS”

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

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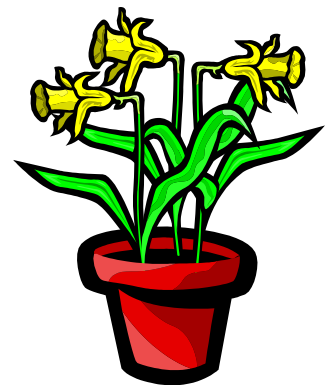
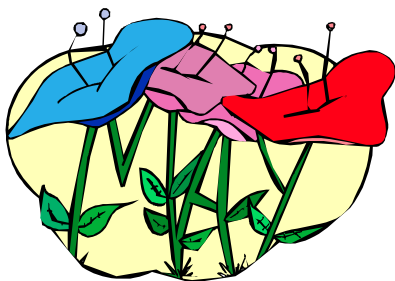
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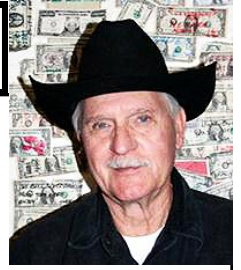
Frank Schleicher (512) 913-4241

Please join us **May 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



Happy May Day to all of you that still remember May Baskets, May Poles, and flowers for your sweetheart - and if you wonder what May Day is all about, ask the senior sitting near you at the May meeting! Also remember Mother's Day this month. I think a nice polished stone, or a faceted gem in a silver setting made in our workshops would be an excellent gift for these holidays.

The first Saturday in May is our Spring Clean-Up. There will be sign-up sheets in the kitchen on the counter for various tasks. The sheets will be posted on the 14th of April and remain there until the 5th of May. Sign up for a task that you feel you can handle or just show up. We will put you to work. The starting time is 7:30 am, and there will be coffee and donuts to get you going. The early start time is to avoid the heat later in the day. Bring gloves, hat, long-sleeve shirts, and comfortable work shoes.

By the time you read this the County Fair will be over but I hope to have pictures for the June issue.

Enroll in a new class, learn a new skill, and enjoy the company of fellow OPLC rockhounds. Now is a good time to use our labs as summer time is our slack period. The snow birds have flown north, the labs are not crowded and they are all air-conditioned.

That's enough for now. Have a good summer and watch out for critters when collecting rocks.

Pete

MEMBER NEWS

- ⇒ Members are reminded to help out with our May spring clean-up. Clean-up day is Saturday, May 5th, beginning at 8 a.m. Volunteers are needed and always appreciated! If you aren't busy, be sure to sign up or just show up to help out!
- ⇒ It is with sadness that we announce the passing of OPLC member Howard Kartchner on April 11, 2012. Condolences to his family and friends - he will be missed.
- ⇒ John Thompson needs information regarding updating the past presidents' plaque. In particular are the following problems: a) Marion Russel is on the plaque as president in 1982-83, but not listed in the club history/newsletters; b) for 1995-99 the plaque and history/newsletters disagree - Bill Elliot is listed as president in '95, Jack Mignery in '96, Gary Howell in '98, and Earl Stewart in '99 - these may be incorrect, and no one is listed for 1997; c) should Chuck Peters, president from 2000-01, be listed as "Charles"?; d) for 2002, all we have is "Earhart" - what is his first name? If you have information about any of this, please contact John at (520) 730-3082 or email him at mimz42@indra.com.
- ⇒ Keith Haubert is looking for any members willing to either teach a class on wire-wrapping or help with one-on-one instruction for such. Keith can be reached by telephone at (520) 784-8283, or email at kah2travel@comcast.net.

Cutting Remarks, Volume 2012, Issue 5, May 2012. 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



At 9:00 a.m. Jean Barkley introduced our speaker, Ari Espinoza, the media outreach contact for HIRISE (High Resolution Imaging Science Experiment) since 2006. Ari's presentation, Mars 101, showed amazing close-up photos of Mars taken by the HIRISE camera aboard Mars Reconnaissance Orbiter. The membership was definitely impressed with the spectacular pictures and 3D mockup.

Pete opened the meeting at 10:05 a.m. after a short break.

Visitors in attendance were Neal Norton, Veronica Pallanes and former member Frank Gonzales. Welcome to you all.

Our Treasurer, Diana Hara, presented the financial report. Our income to date is \$6,387.66; expenses were \$4,316.35, for a net income of \$2,071.51. We have used 16.6% of our annual budget.

A vendor has been chosen for the club t-shirts and the price quoted was under the budgeted amount. We will charge \$12.00 for short-sleeve shirts and \$15.00 for long-sleeve shirts. The color will be Vegas Gold, and no pockets.

Pete asked for a motion to approve the minutes of the last meeting. A motion was made and seconded. The motion was approved.

Bob O'Donnell, Field Trip Chair, gave an update on the Rosemont Copper Mine trip scheduled for April 21st. We will meet at the TTT Truck Stop off I-10 at Craycroft at 7:30 a.m. and our caravan will leave at 8:15 a.m. There will be time for collecting minerals after the presentation should you choose. Ted Rupp spoke with the senior geologist at the Rosemont Copper Mine and he indicated they

had an outcrop for collecting that those going to the Rosemont field trip would be able to work on.

Skip Barkley, sitting in for Murray Hiller, gave an update on the Pima County Fair. There will be a rock-washing party on April 17th starting at 9:00 a.m. Setup at the Fair will be on April 18th. Parking and admission passes were handed out for those who hadn't yet received them.

Pete announced the passing of Howard Kartchner on April 11th. We offer our condolences to his family. A card on the back table for Ron Davidson was there for all to sign. Get well soon Ron!

Saturday, May 5th, is the date for our annual spring clean-up. We need painters, plumbers, electricians, carpenters, and general handypersons to help spruce up the Old Pueblo facilities. Starting time will be 7:30 for refreshments and 8:00 a.m. to start work. Signup sheets will be in the back. We can use your help so please signup.

John Thompson gave an update on the Past Presidents Plaque that appears to be 10 years out of date. We need information to get this done. Anyone who might know any past history of the club please step forward, as we don't seem to have any records available that will help.

Bill Cascio will be holding a silversmithing class from 6-9 p.m. on Wednesdays.

A big thanks to Rim and Maria Tallet-Kelpsa and Jenny Coniglio for refreshments this morning. Norma Lackow has all the meetings up to June covered for refreshments, that still leaves

(minutes continued...)

another 5 months to go. If you can help, please contact Norma. Thanks to all of you who have stepped up and provided so far.

Membership Chair Frank Schleicher asks to give him an email address if you have not already given one so we can communicate with you when necessary.

Sheila Powell, Junior Education Chair, needs help in giving presentations at schools. In a recent school outing she had to recruit a non-member to assist her. If you can help, please contact Sheila. Hildreth Garb indicated she would be willing to help Sheila with school presentations. Robbins School was the last outing that was highly successful. It was suggested we proactively contact schools instead of waiting for them to contact us.

Mike DeMeritt was introduced as our new "Cutting Remarks" editor. Nice job on your first edition, Mike. Danny Harmsen has received quite a few donations recently. In fact, the donations have been "Excellent!" Jean Barkley mentioned there were classes being offered in many of the labs. Check the bulletin board for times and sign up. Learn another skill offered by our very talented teachers.

Our speaker for the month of May will be the very talented Anna Domitrovic, subject to be announced later. Twink Monrad, Librarian announced several donations to the library. She will give notice as to what they were and from whom in the newsletter.

Security reports there were no break-ins and no break-outs for the past month and all the security fence is still in place.

Ron Davidson is in rehab and therapy. He is located in building 60 at the VA hospital and enter from 6th street. His phone number is 792-1450, extension 1128.

Melinda Thompson, Advertising Chair, didn't have any new customers; however, all current advertisers are paid in full.

Jean announced we have new brochures and they are available to hand-out at the Pima County Fair.

Lorry Koshak won the door prize.

Pete adjourned the meeting at 10:40 a.m.

MAY PROGRAM ANNOUNCEMENT

At our May 12th meeting, mineralogist and OPLC member, Anna Domitrovic will present a program on

"Mines and Minerals of the Turquoise District (Courtland, Gleeson) of Cochise County."

Anna has over 25 years experience as a professionally qualified curator of earth sciences, maintaining mineral, fossil and rock collections; mostly recently retired from the Arizona-Sonora Desert Museum.

Anna has always been a popular speaker at our club, so don't miss her educational program!

NOTE FROM THE EDITOR

Ray Brown volunteered to be the newsletter assistant - ahem, Co-Editor. Be sure to thank him when you see him; he does much for our club! Thanks also to all of you who volunteered after Ray. Should he leave, I kept a list...

Ray will be helping with pictures and hopefully, some print! You can reach him for any story ideas or inclusions in the newsletter at (520) 390-5667, or email him at frqntflier@yahoo.com. Contact me at (520) 203-8430, or email me at silverlininggemstones@gmail.com.

This has nothing to do with the newsletter, but as a monitor involved with the care and use of our club's machines, I wanted to remind everyone to use the equipment wisely. Use the

full width of grinding wheels and laps, so as not to prematurely wear the diamonds in one area. Be gentle with the diamond saws - pay attention to oil/coolant levels, and let the blade do the work. If you are unsure of your activity, ask a monitor or knowledgeable member for help.

Faster wear on our machines costs all of us more in the end, and limits the new equipment we can afford. If everyone does their part, we can save more and do more as a club.

Enjoy those stones!

Thanks, Mike



WELCOME NEW MEMBERS

**Helen Ireland
Brian Nikkari
Ryan Dewitt**

**Haley & Sarah
Hollenbeck
Frank Gonzales**

The World's Largest And Oldest Meteorite

The world's largest and oldest meteorite was discovered in China near the northeast city of Shenyang. The meteorite, locally called Haushita Hill, is estimated to be 4.5 to 4.6 billion years old and fell to earth 1.9 billion years ago. The meteorite mound is 600 feet long, 250 feet wide and about 300 feet deep. It weighs about 2 million tons and is covered with granite. The meteorite is older than any natural earth rock. The site is planned to be a state-protected nature reserve.

(Northwest Newsletter 10/00 via Del Air Bulletin 6/01
via Golden Spike News 8/01)

APRIL PICTURE GALLERY



OPLC President Pete Petersen and April Speaker Ari Espinoza



Ari Espinoza, media outreach contact for HIRISE, gave the exciting Mars 101 presentation replete with stunning close-up photos from the HIRISE camera aboard the Mars Reconnaissance Orbiter



Lois Sharon and Sheila Powell representing OPLC at the Robins Elementary School PTA Carnival



Sheila and Lois distributed more than 10 full flats of mineral specimens!



The booth was visited by more than 150 children, who were able to wrap and take home mineral specimens. By fair's end, none were left!



“Rock Pup”

MAY CUTTING TIPS

Bulk Facet Rough Removal that helps satisfy yield. Any facet machine can double as a saw. Locate a large steel washer or bushing to use as a spacer. Install a standard girdling lap as a base, then your spacer, followed by a standard diamond sawblade horizontally. Using careful adjustments to the mast, cut your preform to just over-size, saving the larger removed pieces. With some machines, you can increase the number of spacers if necessary to allow larger material removal. With some careful pre-planning, you can cut near-perfect performs, as well as save the bulk of any waste (you can always cut some matching stones from these...) Best of all, your grinding laps will last much longer than before!

Off on a tangent... Ever had a design plan for a given material, but want the design in something different? If you don't work out your facet angles with a tangent ratio formula, there's a good chance you are losing some of the potential brilliance of your stone. If you arbitrarily add to or subtract from given angles (as many do...), the optical properties of the cut can be altered dramatically (and typically not in a good way!) The best way to avoid this is to change the angles *tangentially* in relation to the new material's critical angle, which keeps the integrity of the design's plan view. All you need is a scientific calculator with a Tangent button ("TAN"), an Inverse button (sometimes called "SHIFT" or "INV"), and a method by which to store a number in memory (for my example I'll use the typical "M+" and "MR" functions on most calculators...) *Example: You have a cool design for CZ that you'd like to cut an amethyst out of. The pavilion main angle for CZ is 40.6 degrees; for quartz it is 43.2 degrees. Here's how it works:*

- 1.) Enter the new (quartz) angle: **43.2**
- 2.) Press **TAN (0.9391)**
- 3.) Press **/ (divide)**
- 4.) Enter the original (CZ) angle: **40.6**
- 5.) Press **TAN (0.8571)**
- 6.) Press **= (1.0956)** This number will remain in Memory Recall (after step 7) unless you negate it. It is necessary for further calculations beginning with Step 8.
- 7.) Press **M+ (1.0956 goes into memory...)**
- 8.) Enter any known original (CZ) angle pavilion break, i.e. **41.7**
- 9.) Press **TAN (0.89097)**
- 10.) Press **x (multiply)**
- 11.) Press **MR (1.0956)**
- 12.) Press **= (0.97616)**
- 13.) Press **INVERT or SHIFT**
- 14.) Press **TAN (44.3)** This number is your new corresponding pavilion break angle for quartz.

Use this method for any other corresponding angles that need to be figured, including all crown angles. The angles will be precisely correct for the plan form with the new critical angle. Your stones will sparkle in agreement! *Provided by Mike DeMeritt, 2012*

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Ad Expires June 2012

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!**

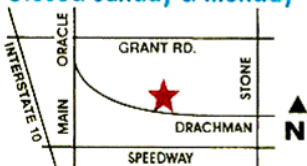
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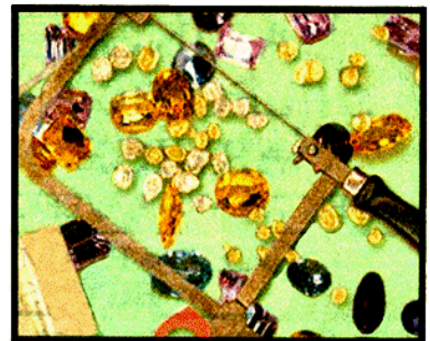
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3401 Dodge Blvd, Tucson
- **Colorwright** - 520-623-3874 Web address: <http://www.color-wright.com/>, **MAILING ADDRESS:** 1520 S Desert Crest Dr., Tucson, AZ 85713. Amount of discount depends on item(s) being purchased.
- **Jay's of Tucson** - 30% 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
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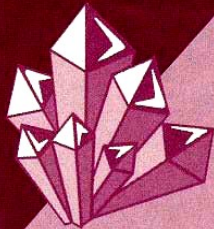
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DONATIONS



Muriel Morris donated waxes and investment for casting.

James Pobrislo donated silver tools, polishing compounds, silicon-carbide wheels, and rough rock including slabbed material.

George Lueras donated four books for the Library.

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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 - Ron Davidson 749-3157

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

Fridays

9AM - Noon **Cabbing**
Monitor - Dan Harmsen 721-8452

LAST LAB MAY 11TH! OPENS AGAIN 10/5/12

Saturdays

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

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

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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MEMBERSHIP

Frank Schleicher (512) 913-4241

SECURITY

Ron Davidson 749-3157

SILENT AUCTION

Dan Harmsen 721-8452

Old Pueblo Lapidary Club
 (Cutting Remarks - Apr 2012)
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OPLC Membership Application - Please Print

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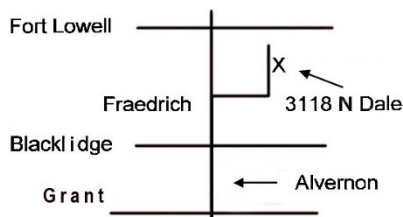
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Couple (same address)	\$35.00	\$27.00	\$22.00	\$15.00	\$25.00
Junior	\$12.50	\$10.00	\$7.50	\$5.00	\$10.00

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.