# "CUTTING REMARKS"

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

# Officers

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Please join us on September 11th for the next monthly meeting. Optional social hour begins at 8:00am followed by the educational program at 9:00am followed by the monthly meeting. Visitors are always welcome.



Wayne Klement 954-6298





Articles or news to be included in the *Cutting Remarks* should be emailed to your Editor, Wayne Klement (wayneklem@aol.com), or feel free to call him at 520-954-6298. Submission deadline is the 25<sup>th</sup> of each month. Thanks!

See us online at: www.lapidaryclub.org

# THE PREZ SEZ ..... by Pete Peterson

The August meeting was the smallest attended meeting I've seen with barely enough for a quorum. Thanks to all of you that turned out. The September meeting will have a program and hopefully the weather will be a little cooler.

I was reminded that we still have Old Pueblo Lapidary Club T-shirts available. We will hang one up for display at the next meeting just in case you have forgotten what they look like.

The Library is open at the meetings, but I haven't seen anyone looking lately. Maybe it is just to hot to do so. There are some good "How To" books available. Check one or two out officers. Suggestions are to pick up some valuable jewelry information. Also, if you have a book that you would like to

donate we are always glad to add them to our list or put them

up for bid at our silent auction.

Speaking of the Silent Auction: If you have equipment or tools that you no longer need or use, think about donating them to the club for the auction. Danny says they have rocks but not as much machinery has been donated for the sale. Be sure to mark November 6 on vour calendar for the Silent Auction. You will find many good buys and it is lots of fun.

If there is some location you would like to go and collect rocks, please talk to the field trip chairperson or any of the always welcome and we will see what is possible. If you know of a good spot and are willing to

lead for just one such trip. let us know that, too,

Remember to

bring your aluminum cans to the club for recycling. That money helps buy equipment and pay bills for the club.

The "Show and Tell" portion of our last meeting went well. Two people brought jewelry examples and shared them with the group. If you have some jewelry or an interesting rock or mineral sample bring it along to the next meeting and let us see it.

That is all for now.

Remember, be safe have fun, drink lots of water and watch out for critters!

Pete Peterson

# NOTE: SPEAKER FOR THE SEPTEMBER MEETING

Helen Serras-Herman, one of our members, will be the speaker at the September meeting and give a power-point slide presentation of the Fine Art of Gem Sculpture, a complex art form that combines Sculpture, Lapidary, Gemology and Jewelry.



Helen will share, in a very unique presentation, her journey from Sculpture to Gem Sculpture, her influences and sources for inspiration. She will discuss how time-consuming the art of carving gems is and why, the gem materials utilized, the knowledge and skill level required to become such an artist, the necessary tools, and how all that is reflected in the value of the artwork.

Helen will also discuss the Workmanship Qualities to look for in a carved gem, and will provide a list of Websites for Tools, Societies, Magazines, and Books.

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# JUNE MEETING MINUTES By Diana Hara, Acting Secretary

There was no educational program in August.

Pete Peterson opened the meeting at 9 am. A quorum was present for the August meeting. Minutes from July were approved.

The club welcomed visitor Ellen Moffett who is newly transplanted from San Diego. She works with PMC and also likes enameling. She is interesting in learning more about lapidary. New members Steve and Cindy Helentjaris from Vail are interested in all aspects of our club from silversmithing to lapidary to field trips. The club also welcomed Robert Ravellette from Tucson. and Erika Juzwiak and Christian Smith who just moved here from Florida. Erika Juzwiak works for Graves and was referred to the club by Earl Zoeller.

Pete asked the instructors who were in attendance to introduce themselves to the new members.

#### **OLD BUSINESS**

A brief report was given for the following committees:

FIELD TRIPS – There are

plans in the works for a field trip to Mission Mine in the fall. Wolfgang also told the membership that he is available to teach classes on mineral and rock identification and how to clean specimens. He also has a Bausch and Lomb microscope for sale if anyone is interested. Helen Serras-Herman suggested a field trip down to the Rosemont mine. There was also a suggestion for the Resolution mine. None of these field trips would be collecting trips - tours only.

Helen Serras-Herman also mentioned an article she saw in the July issue of Rock & Gem magazine on the procedures for finding and setting up tours to various mines in Arizona. Ray mine was one of the sites listed. If you want to subscribe or back order issues to various magazines, you can go to www.zinio.com.

**FINANCIAL REPORT –** Diana Hara gave a brief financial report. The club has spent 41% of the 2010 budget through the end of July. We have a big insurance and liability bill due in October, but the club is in good shape.

#### SHOW AND

**TELL**— Jenny Coniglio brought two necklaces for Show and Tell and explained how she made them. She encouraged others to bring things in and share! Erika Juzwiak also brought a pendant to show.

Skip Barkley gave an update on his wife, Jean, who has recently been in the hospital with liver problems. He explained that she has been diagnosed with autoimmune hepatitis and is taking steroids to manage it. She is at home now. Jean, we all miss seeing your shining face, and wish you a full and speed recovery.

Pete Peterson took a poll on the interest in having presentations from Helen Serras-Herman and Wolfgang Mueller in the near future. Interest ran high for both!

The meeting was closed at 9:35 am and the drawing began. Pete Peterson won the door prize. His name was pulled from the boot by new member Erika Juzwiak!

# Coal

by Brett Whitenack, McPherson Gem & Mineral Club From: *The Post Rock, 11/08. Scribe 2009 CD* 

No one knows for sure who first discovered that the black, brittle rocks found in outcrops would burn and could be used for fuel. The earliest recorded mining of coal took place in China 10,000 years ago. Coal outcrops were mined in Great Britain during the Bronze Age, 2000-3000 BCE (Before Common Era), and the Romans used it across their empire. In the Americas the Aztecs used it for heat and also fashioned hard coal into ornaments.

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#### ... Coal ... Cont'd from Prior Page ......

The use of coal didn't really take off until the Industrial Revolution, however. Up until then most mining was done by taking advantage of seams of exposed coal or digging shallow surface mines to obtain it. The Industrial Revolution changed that when coal began to be in great demand as the fuel to power steam engines used in manufacturing, and later, coal-fed steam engines were built for the railways and steamships.

Because of the great demand for coal, new mines were opened up that went deeper into the earth. These mines continued to be the main source until the twentieth century, when open pit strip mining became popular, but at an environmental cost.

What exactly is coal? It has been defined as a sedimentary rock of organic origin and is composed of the remains of plants that lived and died millions of years ago in swampy regions. Their remains were buried, and over the course of millennia, they were compacted, and through a process called coalification were turned into one of five grades of coal.

The first grade, peat, is the accumulation of partially decayed organic vegetative matter. It is the lowest grade of coal and burns with only about half the heat value of high grades of coal. Lignite, the next lowest rank, is often called brown-coal and has a high percentage of volatiles. It also contains a lot of moisture and is mainly used in production of electricity where mines are close to the power plants.

The next two grades are related and sometimes hard to tell apart. Sub-bituminous coal is a grade that is between lignite and bituminous coal. It is used mostly as fuel for steam-electric power generation. Bituminous coal is a soft grade of coal and is also used as fuel in steam-electric power generation. It is also used for heat and power applications in manufacturing, and to make coke, an altered form that is used as a fuel and as a reducing agent in smelting iron ore in a blast furnace.

The highest grade of coal is also the best and is known as anthracite. It has the highest carbon content and contains the fewest impurities of all coals. It burns the cleanest and is primarily used for residential and commercial heating. From the late 1800s until the 1950s, it was the most popular fuel for heating homes and other buildings in the northern United States. Many can still remember when the coal wagon would deliver a supply to the home.

Coal was first mined in the state of Kansas near Fort Leavenworth and in Cherokee County in the 1850s from shallow, open mines. Several of these shallow coal mines were opened up in the southeast part of the state shortly before and after the Civil War to provide fuel for the railroads, since coal was less bulky and provided more energy than wood. The room and pillar method was introduced in Cherokee County in 1874 by the Scammon brothers from Illinois, and within a few years underground mining became the preferred method of mining in the state. Peak years for production were 1917 and 1918, with about 7.25 million tons produced each of these years.

In the early 1930s open pit strip mining again became popular, and numerous mines were opened up throughout southeast Kansas. During the 1960s and 1970s Big Brutus became a fixture near West Mineral and was the second largest coal shovel in the world. It was shut down due to high operating costs; it cost twice as much to operate as the coal it produced was worth.

The mines in the region continued to operate

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### ... Coal ... Cont'd from Prior Page ......

until the last one was closed down in the 1980s. after regulations and environmentalists made it more cost effective to import coal rather than to mine it. One of the issues with the open strip mines was that they leave deep ditches and high ridges. Before land reclamation laws were enacted, this land was abandoned and left to grow back to trees and brush while the trenches filled with water. In the 1990s a couple of coal mines were reopened and worked on a limited basis. The only bituminous coal mines still in operation today are very small, and they are found in Bourbon, Crawford, and Linn counties.

Another issue was that waste piles left behind contained massive amounts of iron pyrite. Pyrite is iron sulfide, and when it is exposed to water and oxygen it undergoes a chemical reaction that produces sulfuric acid; water, soil, and the

areas surrounding mines that are polluted with sulfuric acid become unfit for agriculture and other uses. Today a concern is sinkholes, which are the result of abandoned mines collapsing and leaving large, gaping holes in the earth. These can swallow up buildings or equipment and seem to occur especially after heavy rains.

The other type of coal used in Kansas was lignite, and mines were opened up during the 1850s in the Cretaceous Age Dakota Formation in north central Kansas. Small mines were opened up mainly in Cloud, Ellsworth, and Republic counties, but are no longer worked today.

Coal mines in Kansas are being looked at again as a source of coal bed methane, a source of natural gas that can help ease the rising energy costs and reduce the state's dependence on importing this energy from other places.



# THANK YOU! - From JEAN BARKLEY

A heartfelt thank you goes out to all of the OPLC members who sent me get well wishes. I truly appreciate that you took the time to care. Your messages meant a lot to me. They brought me inspiration, a smile, and comfort at a very difficult time. My health is steadily improving and I hope to see you all soon - Jean

# WELCOME NEW MEMBERS

Arnie Guavnero **Cindy Helentjaris** Steve Helentjaris Haley Hollenback Kristina Hollenback Sean Madrid Sarah Hollenback Erika Juzwiak Phil Kozol

**Robert Ravellette** 

Wolfgang Vaatz

Christian Smith

**Rich Triana** 

READER RESPONSE (Ed Note): It's always nice to hear that some people actually enjoy reading the newsletter. Jessie Devoe called me this week to tell me that Lifetime Member Hazel Battiste, whom Jessie has know for years, has Jessie read the newsletter to Hazel from cover to cover every month. Hazel, 97, is now blind but is doing great. If you would like to give Hazel a call, her number is 326-0749. And thanks Jessie, for being such a great friend to Hazel.

#### DO U BELIEVE IT? Part 1 of 2

After reading this, you'll go "duh, I didn't know that."

- "Stewardesses" is the longest word typed with only the left hand and "lollipop" is the longest word typed with your right hand. (Bet you tried this out mentally, this out mentally, didn't you?)
- No word in the English language rhymes with month, orange, silver, or purple.
- "Dreamt" is the only English word that ends in the letters "mt". (Are you doubting this?)
- Our eyes are always the same size from birth, but our nose and ears never stop growing.
- The sentence: "The quick brown fox jumps over the lazy dog" uses every letter of the alphabet. (Now, you KNOW you're going to try this out for accuracy, right?
- The words 'racecar,' 'kayak' and 'level' are the same whether they are read left to right or right to left (palindromes).
- There are only four words in the English language which end in "dous": tremendous, horrendous, stupendous, and hazardous.
- There are two words in the English language that have all five vowels in order: "abstemious" and "facetious." (Yes, admit it, you are going to say, a e i o u.
- TYPEWRITER is the longest word that can be made using the letters only on one row of the keyboard.
- A cat has 32 muscles in each ear.
- A goldfish has a memory span of three seconds. (Some days that's about what my memory span is.)

Source: Chippers' Chatter Volume 53 Number 09, September 2009

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1/2 page - 4 1/2" H by 7 1/4" W \$96.00 per year \$8.00 per month		\$168.0	age - 9 1/2" H by 7 1/4" W 00 per year 0 per month					



# **RECENT DONATIONS**

This donation of the lapidary equipment is from Leo Johnston. He has moved up north to the rim country and couldn't take everything with him and gave us a call.



Another generous donor is Tony Jones of California Rock & Mineral, a dealer in fine mineral specimens and unique fossils (520-904-3377— by appointment only). He generously donated approximately 40 milk crates of Brazilian and Mexican agates, already cut in half.



Tony, with 3 close buddies, and some of the agates that he donated to the Club.



Pete Peterson (I), with Jerry Behn, unloading crates of agates (60-100lbs/crate) and moving them into the storage room.

These donations will help contribute to the success of our annual Silent Auction which is always held the first Saturday in November. Everybody, don't forget to mark your calendars. Look for these items as well as hundreds of other items (material and equipment) that will be available for bid that day. Plan to stop by and join in on the fun. Watch for the Flyer advertising the November Silent Auction in the October issue of the newsletter. And THANKS, guys, for the donations.

AND, speaking of donations, thanks to everyone who brought in aluminum cans for recycling. The Club's collection of aluminum cans was dropped off at a local recycling firm which resulted in adding \$126.70 to our bank account.



# MONEY SAVING DISCOUNTS

- DAH Rock Shop 10% on most items. See ad in this issue. 520-323-0781
  3401 Dodge Blvd, Tucson
- <u>Colorwright</u> Amount of discount depends on item(s) being purchased. 520-623-3874
  1201 North Main Avenue, Tucson 85705
- Jay's of Tucson 10% discount. 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
- <u>Copper City Rock Shop</u> 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
- <u>Tucson Mineral & Gem World</u> 10% 520-883-0682 Web address: www.tucsonmineral.com
  2801 South Kinney Road, Tucson

## DONATIONS

If you are interested in making a donation (rocks, equipment, etc.) to the Old Pueblo Lapidary Club. Please call: Bill Carmody at 760-8598 or Dan Harmsen at 721-8452.

# Great Lodging In Pinetop, AZ!

Whether you're hunting for petrified wood, Luna blue agate, or carnelian, or just want to get away to the White Mountain area, stay in comfort at Jim and Sharlene Baker's Pinetop, AZ fully furnished townhome. Save money and share the 3 bedroom home! Call (520) 886-2126. See our web-link.

vacationrentals.com/vacation-rentals/28495.html



Photo of clubhouse

Ad Expires February 2010

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> Classes Begin September Call 393-8873 For More Details

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OPLC MEMBERS RECEIVE 10% OFF ON ALL MERCHANDISE EXCEPT SPECIALS.

STERLING SILVER WIRES AND SHEET RECEIVE THE NEXT PRICE BREAK

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# WEEKLY WORKSHOP SCHEDULE Phone 323-9154

### <u>Mondays</u>

- 1PM 4PM Faceting Guild (Exp. Facetors Only) Monitor - Paul Head 296-0331
- 1PM 4PM **Silversmith Lab** Monitor - Terry Cox 296-4949 (Lou will return September 7th)
- 6PM 9PM Beginning Faceting Monitor - Earl Zoeller 886-3518

### <u>Tuesdays</u>

- 9AM Noon **Cabbing** Monitor - John Poole 777-5588
- 9AM Noon **Silversmithing Lab** Contact John Poole 777-5588
- 10AM 1PM Rock Sawing Monitor - Jim Baker 886-2126
- 6PM 9PM **Silversmithing** Contact Ray Brown 390-5667

### <u>Wednesdays</u>

- 6PM 9PM **Beginning Casting** Monitor - Chuck Lundstrom 577-6446
- 6PM 9PM **Cabbing** Monitor - Keith Haubert 888-8719

#### <u>Thursdays</u>

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

1PM - 4PM Beginning Cabbing Monitor - Frank Beaven 1-810-919-5545

### (Will reopen in the Fall)

6PM - 9PM **Silversmithing** Monitor - Ron Davidson 749-3157

### <u>Fridays</u>

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

### (Will reopen October 1, 2010)

#### <u>Saturdays</u>

- 9AM 2PM Rock Sawing Monitor - Jim Griffin 578-3765
- 10AM 3PM **Silversmithing** Monitor - Ray Brown 390-5667
- 10AM 3PM **Cabbing** Monitor - Ron Davidson 749-3157

# **COMMITTEES**

#### ADVERTISING

Jean Barkley 546-1651 <u>BUILDINGS, GROUNDS & EQUIPMENT</u> Ron Davidson 749-3157 Dave Arens 749-2413 <u>CLASSES & PROGRAMS</u> Bill Carmody 760-8598 <u>CLUB HISTORIAN</u> To Be Announced <u>FIELD TRIPS</u> Wolfgang Mueller 896-3197 <u>JUNIOR EDUCATION</u> Gretchen Arnaiz 747-1511 Sheila Powell 578-1976

# KITCHEN General Membership LIBRARIAN Susette Flemings 741-2275 MEMBERSHIP Wayne Klement 954-6298 SECURITY Ron Davidson 749-3157 SILENT AUCTION Dan Harmsen 721-8452

Old Pueblo Lapidary Club (Cutting Remarks - Sep 2010) 3118 N. Dale Tucson, AZ 85712 (520) 323-9154

Name1	Name 2		Date			
Local Address						
City	State Zip Code Phone numb		e number (	)		
Email address	Summer Dates: From			То		
Summer Address						
City	State		Zip Code			
Type of membership: Single Member Couple (same address) Junior	\$30.00	<u>2nd Quarter</u> \$15.00 \$20.00 \$7.50	-	\$10.00		

**OPLC** Membership Application - Please Print

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.