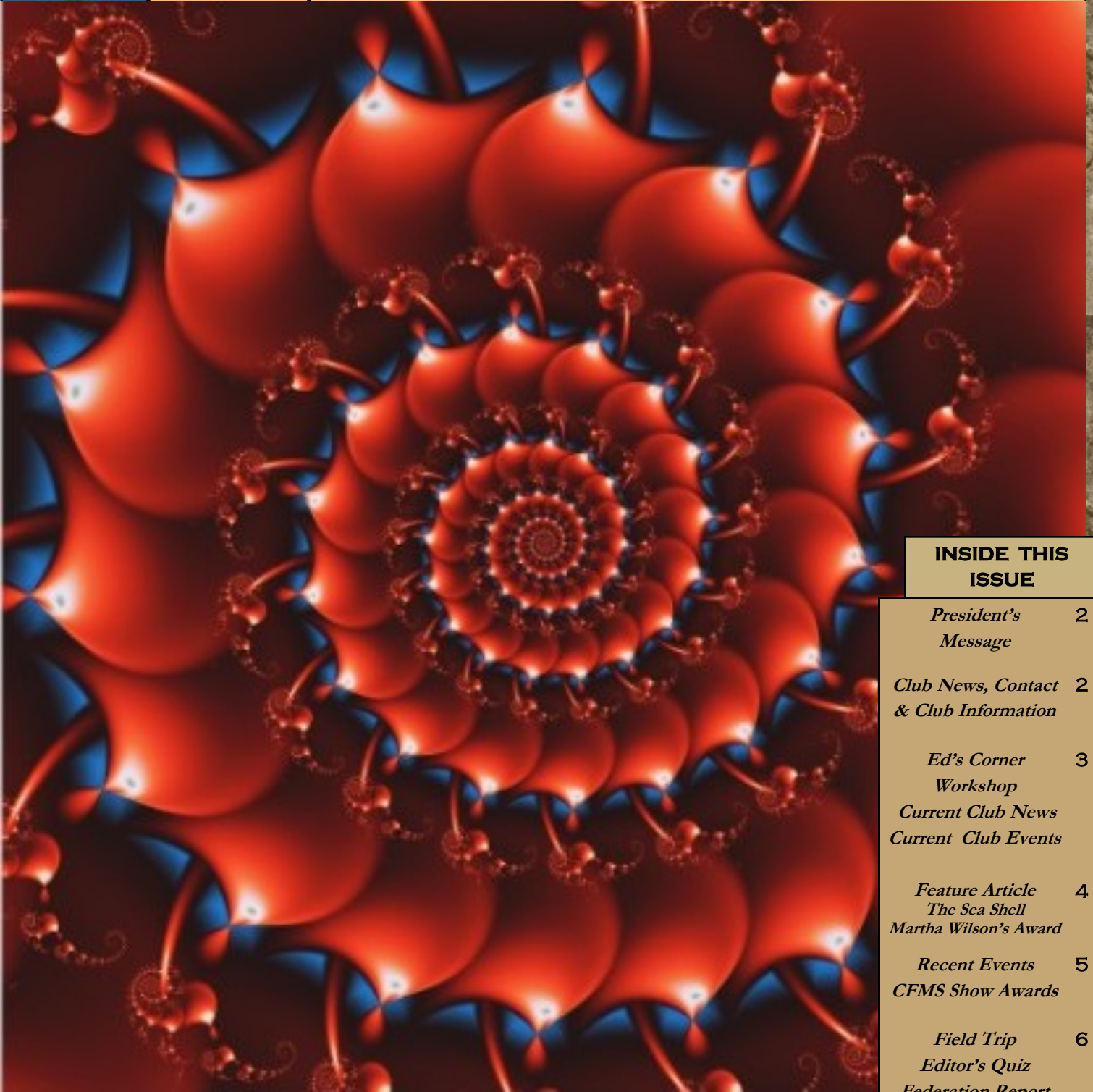


ROCKHOUND RAMBLINGS

JULY, 2013

THE NEWSLETTER OF THE PASADENA LAPIDARY SOCIETY - PASADENA, CALIFORNIA



INSIDE THIS ISSUE

President's Message 2

Club News, Contact & Club Information 2

Ed's Corner 3
Workshop
Current Club News
Current Club Events

Feature Article 4
The Sea Shell
Martha Wilson's Award

Recent Events 5
CFMS Show Awards

Field Trip 6
Editor's Quiz
Federation Report

Shows, Field Trip 7
Report
Member-to-Member

Calendar 8

THE SEASHELL. The graceful symmetry of the seashell has captivated and inspired artists and designers for thousands of years. From the earliest records, tombs and monuments shells have served as a form of money, as decorations, as jewelry and even as tools. But, there is a scientific side to the seashell as well!

What is the link between the incredible seashell symmetry and Dan Brown's novel *The Da Vinci Code*?

(Continued on page 4)



President's Message



Dear Members,

I am proud of our Society! We did great at the CFMS show with the Society's competition case, with judges commenting "Great Case" and a perfect score of 100%! During the show I stood by our case to listen to comments by people viewing the display. What I heard were ooh's and aah's and that it was the "most professional looking" one there. I heard

people say "I wish our club had people who could do stuff like this". Some people took pictures of the case. My congratulations to all who participated! The plaque and blue ribbon will be proudly displayed in a shadow box at the workshop with a photo of those who participated.

More great news! The workshop will start at the new Sierra Madre location July 14th. We are grateful to Valerie Stathatos for her generosity of sharing her studio with us. Carolyn Duncan has graciously donated four new

Kingsley North multi-wheel polishing units! We will be using one side of the main room for the polishing units and the saws will be in an adjoining room.

Since members will now have eight hours of workshop and triple the polishing units the Board has revised the fee structure of the workshop. The fee will be \$3 from 9 a.m. to 1 p.m. and \$3 from 1 p.m. to 5 p.m. - or \$5 for the full day. This is to help with the additional costs of machine usage and supplies. See you all soon!

..... *Marcia*

Marcia Goetz, President

Meeting and General Club Information

Officers

Marcia Goetz, President
(626) 914-5030
joenmar1@verizon.net

Carolyn Duncan, Vice President
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Newsletter Articles, ads or corrections should be sent to the editor: **Mark Nelson**, 1475 Paseo Maravilla, San Dimas, CA, 91773. (909) 996-1784 or by email to mnelsonair@aol.com

June Board Meeting by Linda Nelson, Secretary

Officers present: Marcia & Joe Goetz, Carolyn Duncan and Linda Nelson.

Chairs & Members present: Chris Kyte, Ed Imlay and Mark Nelson.

Officers/Directors Absent: Vern Cliffe, Jim Gersbach, David Kelty and Trudy Krose.

The Board approved the move of the workshop to the **UN DEUX TROIS STUDIO** location in Sierra Madre and authorized \$1550 in expenses to ready it for our use. The bylaws were and approved for a final time before going to a vote

of the membership.

Mark Nelson reported that the web site development had begun with the acquisition of the domain name www.pasadenalapidarysociety.com

June Meeting

Janie Duncan had members enthralled with her "Rock Talk". It was easy to understand why her presentation is so popular! Ed thanked members for displaying on the display table, Joe held the meeting raffle. Linda presented the bylaws and they were approved by a unanimous vote of the membership.

July Meeting

TREASURES, TREASURES

This month is our annual Silent Auction! Members are asked to donate their surplus rocks, minerals, jewelry, antiques, lapidary equipment, video movies, books, lace & tatting, electronics, arts and crafts, plants, etc. All donors will receive a tax-deductible receipt. If you are unable to bring donations to the auction, call Marcia and she will make arrangements for someone to pick them up. Come and take advantage of these treasures by bidding on these unique items!

Membership Information and Meeting Locations

Membership per calendar year is \$20, \$15 for a second adult member in the same house. Junior members and the third or more members at the same house are \$10. Initiation fee is \$2.00 per person and membership badges are \$7.50. Renewals are due by the October General Meeting and delinquent after December 31st. Mail checks for membership to P.O. Box 5025, Pasadena CA 91117-0025.

Board Meetings: 7:00 PM on the second Tuesday of the month at One West Bank, 1 E. Foothill in Arcadia. All PLS members are welcome to attend.

General Meetings: 7:00 PM on the third Tuesday of each month at the Pasadena Central Library at 285 E. Walnut Street. **Guests are welcome!**

Field Trips are scheduled each month. Refer to the bulletin for date, location and information.

Workshop and instructions are available to members from 9am to 5pm on the 2nd Sunday of each month in our well-equipped shop at 123 E. Montecito, Sierra Madre. Refer to pages 3 and 8 for classes and date confirmation. Liability waivers, eye protection, closed-

toe, flat-heel shoes and machinery safe-practices are mandatory for all participants.

Workshops and field trips are for adult members and juniors with direct adult supervision.

The Annual Club Show is held the second weekend of March at the Masonic Center, 3130 Huntington Drive, San Marino.

Advertising - a business card size ad is available for \$99 per year or \$10 per edition. Submit text, logos, business card or other copy to the editor at the address or email listed on this page.

**Ed's Corner****Ed Imlay at a local school****EDUCATIONAL OUTEACH****By Ed Imlay**

Chair, Education Committee

For the July meeting's display table please display any items of general interest such as workshop projects, material from locations of recent or upcoming field trips, and the month's birthstone: **Ruby!**

Rock Identification: Would you like to know the name of a rock you have acquired? Set it on the table at the rear of the meeting room with a note asking "What is this?". If the interior of the stone is not evident, chip a small piece off or "window" it to reveal the interior (if it will not damage the appearance of the specimen).

To schedule a presentation to a group or school contact me by phone at (626) 286-8215 or by email at edimlay@hotmail.com.

At this year's field trip to Thulite Hill Jennifer Jang surprised everyone with her find of this shell fossil! Up until this find these types of fossils were unknown in this area. Thanks, for bringing this specimen to the display table, Jennifer!

**WORKSHOP**

This month's workshop is Sunday, July 14th, from 9am to 1pm and 1pm to 5pm at our new workshop location at 123 E. Montecito Street in Sierra Madre.

"Jungle Jim" Gersbach will present our first program in our new workshop. Jim will be demonstrating how he can test gems. He can help identify unknown gems as well as differentiate between gems and glass replicas. Members may bring jewelry for Jim to test. This program will be from 2pm to 4pm. Free parking is available on Montecito Street. Overflow parking may be available in the fenced lot on the west side of the building.

NEW WORKSHOP COMMITTEE

Thanks to those who stepped forward to serve on the newly-formed workshop committee. A special thanks to Davis Coghill, Ralph & Becky Fregoso, Jim Gersbach, Joe & Marcia Goetz, Andy Hernandez, Christi Hedden, Ed & Corinne Imlay, Chris & Marlene Kyte, Philip Lahr, Marcus Look, Linda & Mark Nelson, Rex Nishimura, Valerie & Damon Stathatos, Bruce Towe, Elizabeth Weston, Drew Wilson and Chewy Villasenor. After Valerie and Damon Stathatos removed the ceiling, sandblasted the old painted walls, replaced broken windows, installed lights, electrical outlets and plumbing these club members worked to upgrade the electrical service, provided wiring for the new saws and insulated the ceiling. I hope I didn't miss anyone!

Members of the committee will be meeting at 9am on Sunday, July 7th to sort rocks, clean the room and set up the equipment. Members interested in helping with the workshop committee are asked to contact me.

... Carolyn Duncan.

**Welcome
New Members !!**

Welcome to Felipe "Chewy" Villasenor (who was a great help with Workshop wiring) and returning members Christi Hedden and Valerie Bates! Share the lapidary and jewelry hobby. Invite your friends and neighbors to one of our monthly meetings to learn more about the Pasadena Lapidary Society!

**ROCK OF THE MONTH PRESENTATION**

There will not be a rock talk this month due to the annual Silent Auction. To be scheduled to talk about an interesting rock or mineral please sign up at the monthly meeting or email Carolyn Duncan.

**Meeting Refreshments:**

Jennifer Jang, Jim and Lulu Smith are scheduled to bring refreshments to the July meeting! Your favorite light snack or goodie helps to make the program meeting even more entertaining and interesting! Contact me at (323) 664-9598 or at mikekrose@roadrunner.com to sign up to bring something to a future meeting! Trudy Krose

The Board Of Directors has approved the development of a web-site for the Society! We have a domain name and are ready to start the designing process. If you have knowledge of the software and technique for developing a website - WE NEED YOUR HELP! Please let Mark Nelson, our editor, know that you can lend advice and expertise!

**Find us on
Facebook****Like**

Please consider donating equipment and material to the club for use in the workshop! We need a faceting machine, polishing units, grit and trim saws. All contributions are tax deductible and appreciated! Thank you to the Goetzes and Nelsons for donating the ceiling insulation material, to the Stathatoses for donating the rock bins, to Jim Gersbach for electrical material and to the Nelsons for donating the library shelving. Contact Carolyn Duncan for ideas and questions about what you can donate!



Sunshine: Davis Coghill will undergo treatment for polyps. Your wishes and prayers will help speed his return to our club activities!

If you know anyone who is not feeling up to par, has been sick or lost a loved one? On the silver lining side of things, do you know who has achieved a goal, won a personal victory, or done something that deserves recognition? The Pasadena Lapidary Society has a Sunshine Committee to send cards and words of comfort and support and congratulations to those members who are in need or are deserving of it. Notify Trudy Krose at 323-664-9598 or by email at mikekrose@roadrunner.com.



(Continued from page 1)

Colin Narbeth, a banknote specialist writing for the Conchological Society of Great Britain and Ireland, notes that cowry shells were used as currency in Africa and Asia as early as 2,000 B.C. According to Narbeth, Chinese legal documents record that a Shang Dynasty ruler rebuked his ministers for coveting cowries and jade.



Not only shells themselves, but also beads made from shells served as currency, especially in North America. The earliest shell beads, which were found in North Africa and Israel, date back approximately 100,000 years, according to Richard Conniff in "Smithsonian" magazine.

American Indians of the Northeast wove elaborate bands of shell beads, known as wampum, a Narragansett term meaning "white shell beads." Europeans sometimes mistook these beauties for bone or even porcelain. Sometimes the ancients valued seashells primarily for their beauty. For example, in an article in "American Archaeology" magazine, Elaine Robbins describes the study of a Mississippian culture site in Oklahoma, where archaeologists have found shells and artifacts made from shells inscribed with elaborate carvings.



Shell ornament found near Wichita, Kansas

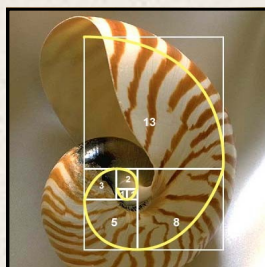
Readers of *The Da Vinci Code*, by Dan Brown, will recognize the name *Fibonacci Numbers*. In his book, Dan Brown uses this sequence as part of the clues left behind by Jacques Sauniere, the murdered curator. Sauniere raised his granddaughter, coaching her in endless puzzles. As an adult she became a cryptographer. When presented with the numbers in a scrambled form, she recognizes the sequence, and understands that it is part of a message.



Leonardo Fibonacci 1170 — 1250 A.D.

In reality, the Fibonacci Sequence is the series of numbers: 1, 1, 2, 3, 5, 8, 13, 21, and 34. Called the "greatest European mathematician of the middle ages", Leonardo Fibonacci was born in Pisa, Italy about 1175 A.D. he is

credited for changing Europe from the abacus method of counting to the decimal system based on the Hindu-Arabic number system. He calculated the symmetry of the seashell, calling it the Golden Spiral and recognizing it as a mathematical tiling. When drawn on paper, this tiling created a series of circular arcs connecting the opposite



Fibonacci sequence overlaid on a nautilus shell.

corners of squares in the Fibonacci number sequence tiling. Botanists know that stems, leaves and petals of a spiral design conform to this formula. Some astronomers are even seeing a relationship in the shape of the galaxies as described by the Fibonacci numbers.

Linda Nelson

Read more about the sea shell at www.ehow.com



MARTHA WILSON's *End Of Days* article, in the December 2012 Rockhound Ramblings, received high marks at last month's CFMS Show !!



Jewelry Making Classes



Take lapidary to the next level! Personal instruction to learn to set & wire-wrap stones, make your own wire link, head pins & jump rings. Acquire sawing, texturing, cold joinery and other basic silver metalsmithing skills!

Instruction is by Pasadena Lapidary Society member **Martha Wilson** through the Monrovia Adult School.

Classes are \$50 for 5 weekly sessions - plus basic tools & materials
Sessions are starting each month.

To enroll go to: <http://www.mcasweb.com> or call 626-471-3035



GREAT TEAMWORK!

June's work on the new workshop helped build friendships among members as it accomplished the readying of the building for our July Workshop.



Above: Andrew Hernandez and Marcia Goetz wire the wall outlets.



Above: Ralph Fregoso prepares an electrical junction box.



Left: Andrew Hernandez, Carolyn Duncan, Becky Fregoso and Marcia Goetz prepare heavy wiring for the 240 volt kiln wiring.



Above: Vern & Sylvia Cliffe's display at the CFMS Show!



Above: Philip Lahr keeps the workplace safe during wiring for the rock saws. Right: Tanner Soohoo and Mark Nelson illustrate bandaging at June meeting.



Photos by
Mark Nelson & Trudy Krose



TOP AWARD TO PASADENA LAPIDARY

The CFMS awarded its top award to the Pasadena Lapidary Society for our club display. Thanks to all who contributed creations for the display case shown below!



Joe Goetz (left) presented with first place award (at right) by CFMS President Bud McMillan in the Educational Division for his case "how to create a cabochon"!



CFMS President Bud McMillan presents top award to the Pasadena Lapidary Society. Receiving the award on behalf of the club are (L-R) Linda Nelson, Secretary/Treasurer; Carolyn Duncan, Vice President; Joe Goetz, Federation Director; Marcia Goetz, President

Photo by Mark Nelson



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FIELD TRIPS

By Joe Goetz



Joe Goetz
Field Trip Chairman

Field Trip – Palos Verdes July 20th

This will be a day trip to the Palos Verde Peninsula where we will be joining the Searchers Gem and Mineral Society. Our field trip leader will be Chris Kyte and he will meet club members at the site at noon.

We will start on the Hermosa Beach side of the peninsula where we will find barite and agate; then work our way around the peninsula toward Long Beach, stopping at an old dolomite quarry (wear long pants for brush if you opt to continue to this location), and - if you have any energy after that over to Point Fermin for the elusive Glaucofane. We'll head to the beach after the briefing at 1:00 pm, taking advantage of a 1:32 on low tide.

Directions: Take San Diego Freeway (405) and exit at the Hawthorne Blvd. off ramp. Turn left on Hawthorne Blvd. and go 5.5 miles to Pacific Coast Highway. Turn right and continue 2.1 miles to Palos Verdes Blvd., turn left and proceed 1.5 miles to stop sign at main intersection of Malaga Cove Plaza. Turn right onto Via Almar and continue .4 mile, then right again onto Via Arroyo for .1 mile, then left onto Paseo Del Mar. Head uphill .6 mile to parking area on right. From here there is a trail down to the beach.

Clothing: At beach shorts are good, but bring a sturdy pair of shoes or boots - it's very rocky and walking is required. Also, sun screen, basic first aid and a hat.



I found Barite!

Equipment: Rock pick or a collapsible shovel. Something to carry rocks in (bucket, knap sack or wheeled carrier for rocks) Bring water and snacks! The trail up the cliffs is wide and not level and can be trying on a hot afternoon.

The other side of the rock:

- I tried to catch some Fog. I mist.
- Jokes about German sausage are the wurst.
- A soldier who survived mustard gas and pepper spray is now a seasoned veteran.
- I know a guy who's addicted to brake fluid. He says he can stop any-time.
- How does Moses make his tea? Hebrews it.
- What does a clock do when it's hungry? It goes back four seconds.



Congratulations to Ralph Fregoso for knowing the reason why special precautions are needed to polish actinolite! There was no correct answer to the Juniors question. Prizes were awarded at the June meeting!

**Editor's Quiz**

In July, 1804 a very unusual event occurred in our country - a duel between two very prominent citizens.

Juniors: Which of the duel participants was later honored with his image on our currency?

Adults: Which of the duel participants was Vice-President of the United States?

The first Adult and Junior Members to correctly answer these questions will win a special prize at the July Meeting. See Editor's contact info on page 2.

FEDERATION NEWS

CFMS - California Federation of Mineralogical Societies



CFMS President Bud McMillin, in his July President's Message from the CFMS Newsletter, asks anyone who attended the 2013 CFMS Show in Ventura to "TELL ME WHAT YOU REALLY THINK ABOUT THE CFMS SHOW!" He asks that those who attended submit comments, even if anonymously, to him at (209) 524-3494, bud.cfmspres2013@budmcmillin.net or at California Federation of Mineralogical Societies, PO Box 1657 Rialto, CA 92377-1657

Would you like to receive the CFMS Newsletter by mail? The CFMS Newsletter is published 11 times a year. Subscriptions are \$5.50 per year, January through December. Not Prorated. Send your check to California Federation of Mineralogical Societies, PO Box 1657 Rialto, CA 92377-1657

AFMS - American Federation of Mineralogical Societies

Plan Ahead!

2013 AFMS Convention & Show
Sept. 18-22, 2013 - Jacksonville, FL
Sept. 18 - Uniform Rules
Sept. 19 - AFMS Annual Meeting & Scholarship Foundation Meeting
Sept. 20-22 - Show
Sept. 21 - Awards Banquet
Sept. 22 - Breakfast with Editors & Webmasters

QUIPS & QUOTES

What this country needs are more unemployed politicians!
Edward Langley, Artist (1928-1995)
We hang the petty thieves and appoint the great ones to public office. Aesop, 620 B.C.
There is no distinctly Native American criminal class save government. Mark Twain 1835-1910
The government is like a baby's alimentary canal, with a happy appetite at one end and no responsibility at the other. Ronald Reagan 1911-2004

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www.farrinoconnordesign.com/classes

Or call them at (626) 796-5300. Free fenced parking.

**JUNE'S FIELD TRIP TO BIG BEAR**

Saturday was sunny, nice and cool. We were out of the house and down the street a little after 6. Seemly in no time we were headed up Hwy 330 and at some point we pulled over to let people pass and, lo and behold, Jay and Kathy Valle with Davis Coghill as a passenger passed us! We got to the Discovery Center a little before 8. There was a crowd of 6 or 7 people waiting to get in (all wanting to use the facilities). We bought topo maps and then it was a waiting game for everyone to show up. Rex, Chuie and family arrived. Elizabeth Weston rode with Jennifer Jang. Chris and Marlēnē rode with us in our truck and, by a little after 9, we were headed for the quartz crystal area.

When we arrived people headed for the crystal slope and before you knew it, they were back and showing what they had found. Then it was lunch time! After lunch it was decided to go the Rose Mine which used to be mined for gold, silver, tungsten, and copper. It was good going until we crossed over Asterirre Creek - and then it became "Mr. Toad's Wild Ride"! Bumping and bouncing our way we got to the top of a ridge and wondered if Lisa and Kathleen Griffy were still with us - as they were traveling in a minivan. They were there! After a while voices emanating from the back seat of our truck asked the infamous question "Are we there yet?". Even Marcia, who was driving, wanted to know the same thing. There was one particularly one nasty stretch we were seriously wondering if Lisa would manage to traverse it. I told her she did great! Yet the road seemed endless. Eventually, after passing it, we found the mine and all got out and looked around and didn't find much except for Marcia who found a couple of small nice copper coated pieces. Lisa and Kathleen left to go home and we advised her to take a better road out. We then went looking for the mining shack that Chris said we would find - and yet is still un-found. We went back to toward the first location and looked for more and we all found a little something.

Since it was getting late in the day we headed out, and started down the smoother road, which became a "Super Mr. Toad's Wild Ride"! We made it our mission to try to locate the oil pan or the remnants of the minivan Lisa was driving. We never found them on the road or next to the road and the last bit was the smooth part so we knew they had made it out okay.

We all met back at the Discovery Center and, while we didn't collect much, it sure became an adventure filled day! We did check and Lisa and Kathleen made it home safely - what great drivers!.

Lost Somewhere in California**Joe Goetz*****Fieldtrip Chair***

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LOCAL ROCK AND GEM SHOWS

July 6-31 - PASADENA: Farrin O'Connor Design offers classes in jewelry fabrication, chasing, repousse, ring making, hollow forms, fusing, enameling and pendants. Visit their studio to view the workshop and shop in their store for jewelry making supplies, tools, equipment, metals, gems & cabochons. Open to the public only when there is a scheduled class in session. Check the class list to discover dates, then call first for times (626) 796-5300. www.farrinconnordesign.com/classes.

Look for the gem shows symbol in the calendar on page 8.



Please plan to attend one of the shows and businesses listed on this page, and wear your club badge when you do! - Editor

13-14 - CULVER CITY: Annual show; Culver City Rock & Mineral Club. Culver City Veterans Memorial Auditorium; 4117 Overland Ave.; Sat. 10-6, Sun. 10-5; free admission; club displays and exhibits, Kid Zone, craft demonstrations, more than 25 dealers, gems, minerals, fossils, rough, slabs, jewelry, tools, beads, silver castings, wire-wrap, carvings, glass work, polished cabs, jewelry displays, free hourly door prizes, grand prize raffle. www.culvercityrocks.org

25-28 - PASADENA: Pasadena Bead & Design Show. Hilton Pasadena, 168 S Los Robles Ave. 10am to 6pm daily-\$6 valet/self parking. 300 artisan booths, merchant displays, handmade, artistic, vintage and antique beads, jewelry, gemstones, art clothing, supplies and findings. www.pasadenabeadanddesignshow.com

Member - To - Member

The workshop is in need of multi-wheel grinder units, trim saws, a sphere machine, swing-arm lamps, interesting rock material and other good equipment items. All contributions are tax-deductable and appreciated. Contact Carolyn Duncan 909-593-2781.

Linda Nelson is seeking a small mining ore cart. 909-592-1322.

Members are welcome to place a message for items or services wanted, for sale or trade. Email submissions to the Editor.



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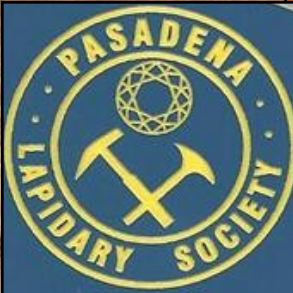
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**JULY
2013**

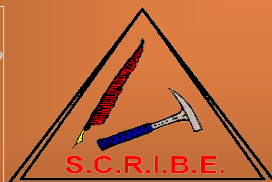
The Pasadena Lapidary Society, Inc.
Bulletin Editor:
1475 Paseo Maravilla
San Dimas, CA 91773-3908

**RETURN SERVICE
REQUESTED**



OUR MISSION

The Pasadena Lapidary Society serves to educate its members and the community in mineralogy, earth sciences and training in the lapidary and jewelry arts – while promoting sound mineral resource stewardship based on environmental awareness and ethical behavior. The Society fulfills its mission year-round which may include field trips, lapidary workshops, outreach presentations, public mineral displays, an annual show, and monthly informational meetings open to the public.



The Pasadena Lapidary Society is affiliated with the California and American Federations of Mineralogical Societies. Our editor is a member of the Special Congress Representing Involved Bulletin Editors.

July 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Canada Receives Independence from England - 1867	2	3	4 1776 - Americans Declare Independence from England	5	6
7 Workshop committee work day	8	9 Board Meeting Ramadan begins - Islam	10	11 Burr - Hamilton Duel	12 Julius Caesar born 100 B.C.	13 Culver City Gem & Mineral Show Obon Festival - Shinto - Buddhist
14 Workshop 	15	16 Program Meeting Tish'a B'Av - Judaism	17 Disneyland Opens 1955	18	19 Rosetta Stone found	20 Field Trip to Palos Verdes
21 National Ice Cream Day	22 Full Moon	23	24 Amelia Earhart Day Pioneer Day - Mormon	25 Pasadena Bead Show	26 Pasadena Bead Show	27 Pasadena Bead Show
28 Delta Aquarids Meteor Shower Pasadena Bead Show	29	30 Father-In-Law Day	31	JULY was named by the Roman Senate in 46 B.C. to honor Julius Caesar, their great general and emperor, who was born in this - the seventh month of the year. In that same year Julius Caesar reformed the primitive awkward calendar - from 445 days to 365 days.		