

ROCKHOUND RAMBLINGS

JUNE, 2012

THE NEWSLETTER OF THE PASADENA LAPIDARY SOCIETY - PASADENA, CALIFORNIA

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TRINITITE is a unique mineral produced quite unintentionally as a consequence of the first ever nuclear explosion on July 16, 1945, near Alamogordo New Mexico by scientists from the Los Alamos National Laboratory. After the

The picture above was taken Monday, July 16, 1945, at 5:29:45 A.M. Mountain War Time at Trinity Site, White Sands Missile Range.



President's Message



Fellow Rockhounds,

June has arrived and we are starting to plan for a great summer in our own ways.

The field trip to Cerro Gordo should entice some to try the adventure! I have never been there and I'm more than willing to try to find some of the Smithsonite said to be found at the Cerro Gordo Mine.

Speaking of field trips, the April trip to the Himalaya mine dig was lots of fun and I think the younger kids did the best as far as finding treasures. My best piece is about 1/4 inch long and 1/16 inch wide - sounds like a micromount to me. The micromounters in the club would be telling me to be sure to identify the location of the find on the box information. If I can get my act together I will try to bring it within the next few months as a prepared and mounted *micromount*.

Carolyn Duncan found a great piece

that had a lot of stuff going on in it, I hope you got to see it at the May meeting as she said she wanted to bring it along. Another interesting specimen was found at the end of the day by one of the North Orange County Club members. It was a schorl (black) tourmaline about an inch wide and inch and a half long - and it was evenly terminated at both ends!

Well, here's to "gemstone dreams" until next month!

Marcia

Marcia Goetz, President

Meeting and General Club Information

Officers

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

Carolyn Duncan, Vice President
(909) 593-2781
gem.quest@verizon.net

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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

May Board Meeting

by Linda Nelson, Secretary

Officers present: Marcia Goetz & Carolyn Duncan

Chairs/Members present: Vern Cliffe, Sylvia Cliffe, Drew Wilson, Chris Kyte, Joe Goetz, Dave Kelty and Ed Imlay.

It was approved to have a rock and gem show next year, subject to membership approval.

Due to the conflict with local events the Owens Valley field trip was deferred until next month and PLS will join CFMS at Lavic Siding in May.

Our Historian, Jim Gersbach, is asking for photos and news articles about the club. Send them to him at 2270 E. Orange Grove, Pasadena, CA 91104-4911.

The Board discussed nominating people for Rockhoulder Of The Year.

May Meeting

An interesting NOVA video on Mt. St. Helens replaced the planned thunder egg video which did not arrive from CFMS by meeting time.

Members approved our rock and gem show on March 9 & 10, 2013.

V.P. Carolyn Duncan announced that the club will meet at the Pasadena Library on Tuesday evenings starting July 17th.

June Meeting

The second half of the Mt. St. Helens video will be shown at the meeting.

Joe Goetz will discuss the June field trip. He will have a list of motels in the area and talk about the possibility of seeing other collecting sites in the area on Saturday.

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 \$2.50 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: 7:00pm on the first Wednesday of the month at the One West Bank, 1 E. Foothill in Arcadia. All PLS members are welcome to attend.

General Meetings: 7:00 PM on the third Wednesday 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.

Workshops and instructions are offered in our well-equipped shop in Pasadena to all club members - normally on the 2nd Sunday of each month. Refer to the bulletin for hours and the calendar for date changes. Eye protection, closed-toe shoes and machinery safe practices

are mandatory for all participants. Call a board member for the workshop address.

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

The Annual Club Show is held the second weekend of March at the Masonic Hall, 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.

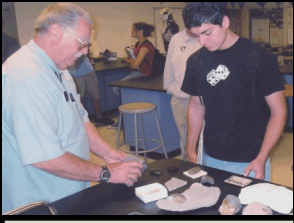


Ed's Corner

EDUCATIONAL OUTEACH

By Ed Imlay

Chair, Education Committee



Ed Imlay at a local school

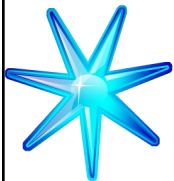
I met with students at Walt Disney Elementary School in Burbank where I gave my Earth Sciences presentation and had a hands-on experience of interesting rocks. I'm scheduled to give a similar presentation to E. O. Lawrence Elementary in Garden Grove on June 7th.

To schedule me for my interactive presentation to school students, contact me at (626) 286-8215 or by email at edimlay@hotmail.com for details.

Please bring ash, Helenite or other Mt. St. Helens materials (the program topic) to display at the June meeting. Members can display any items of general interest or for identification, workshop projects, material from locations of recent or upcoming field trips, and the birthstone of the month: **Pearl or Alexandrite**

LIBRARY

Our club has a great collection of lapidary research books in our lending library. If you are interested in a list of the titles or in checking out the books, contact our Librarian, Dave Kelty, at 909-337-2047 or by email at davidakelty@hotmail.com.



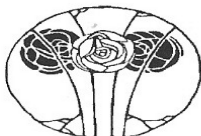
There will be a Show Wrap-Up Meeting in the near future! Please prepare written comments, observations and suggestions for improving our 2013 Show. If you cannot attend, please mail, fax or email your suggestions to our Secretary, Linda Nelson.

WORKSHOP

VP Carolyn Duncan will present a second class on making a 2x2 chain and Rosary Wrap bracelet.. Bring 8 beads of your choice, 8mm (pea size), round nose, flat nose and chain nose pliers and flush cutters. Copper jump rings and some tools will be provided. If you want a different metal, bring your own jump rings - 20ga, 1/8" I.D. Jump rings and tools can be obtained at The San Gabriel Bead Company (See ad below).

Workshop hours are from 1:30 until 5PM. Parking is on the west side of street - please park compactly along the curb so that others will have room to park behind you. Alternate parking is available next door to the workshop in a paved lot behind the buildings on Foothill Boulevard. Call 909-996-1784 for directions.

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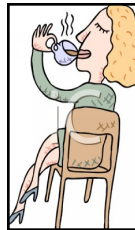
**Welcome
New Members !!**



Share the lapidary and jewelry hobby. Invite your friends and neighbors to become members of the Pasadena Lapidary Society! We have had new people applying for membership - watch for them in this column next month!

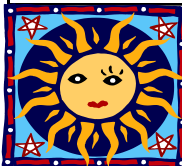
MEETING DAY CHANGE

In case you missed the May meeting - at the request of the Pasadena Library we will be meeting on the 3rd Tuesday of each month. Same time, same place - See You There!



Meeting Refreshments: Our appreciation and thanks to Chris Kyte, Mark & Linda Nelson and Carolyn Duncan for April's meeting refreshments! Those asked to bring them in June are John & Jesse Adamczyk, Wendy Ansel and Jason Badgley. To help with the July meeting, please contact Linda Nelson at (909) 592-1322.

Support our bulletin by supporting our advertisers! Make a point of shopping at and visiting the shops of the companies who have ads in this newsletter and mention that you saw their ad in Rockhound Ramblings!



Dr. Davis Coghill is retiring from teaching special-needs students and is planning to return to Chiropractic therapy and lapidary!

Our Librarian, David Kelty, is planning a rock collecting trip to the Mediterranean! We'll look forward to seeing his specimens!

Sandi Fender's father, Bill Burns, passed away last month. Bill was active in the Whittier club and the CFMS.

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 at mikekrose@roadrunner.com.



(Continued from page 1)

explosion of nuclear material at the Trinity Site scientists found an unexpected substance crusted all over the ground at the center of the test site. Trinitite is the name given to the glassy residue left on the desert floor after the explosion.

The following excerpt is from Time Magazine, Sept. 17, 1945: "Seen from the air, the crater itself seems (looks like) a lake of green Jade shaped like a splashy star, and set in a sere disc of burnt vegetation half a mile wide. From



Trinitite at the site. Photo by Mary Saxton Griffin <http://www.zianet.com/msaxton>

close up the lake is a glistening encrustation of blue-green glass 2,400 feet in diameter, formed when the molten soil solidified in air." In 2005 LANL scientist Robert Hermes and investigator William Strickfaden explained their belief that the mineral was formed by sand which was drawn up inside the fireball itself and then rained down in a liquid form.

Trinitite is generally described as an olive green, glassy substance, primarily composed of arkosic sand composed of quartz grains, feldspar, calcite, hornblende and augite in a matrix of sandy clay that was melted by the atomic blast.



Wikipedia Photo

In the late 1940s and early 1950s, samples were gathered and sold to mineral collectors as a novelty, although most of it was bulldozed and buried by the United States Atomic Energy Commission in 1952. Your editor found traces of the material at the Trinity Site in 2010. It is mildly radioactive but safe to handle. Radiation from Trinitite is less than that emitted by other common items containing a radioactive substance. Examples include "Exit" signs (tritium), some yellow glass trade beads and some Fiesta® dinnerware (uranium), some lantern mantles, welding rods and the coating on camera lens (thorium) and of smoke detectors (americium).



Bradbury Science Museum

Samples of Trinitite can be seen at the Bradbury Science Museum in Los Alamos, New Mexico. You can also see Trinitite by visiting the Trinity Site on the White Sands Missile Range which is open to the public twice a year - on the first Saturday in April and October.

The free tour includes Ground Zero where the atomic bomb was

placed on a 100-foot steel tower. A small monument now marks the spot. Visitors also see the McDonald ranch house where the world's first plutonium core for a bomb was assembled. The missile range provides historical photographs and a bomb casing for display. There are no ceremonies or speakers. Portable toilet facilities are available on site. Hot dogs and sodas are sold at the parking lot. Cameras are allowed at Trinity Site, but their use is strictly prohibited anywhere else on White Sands Missile Range. Radiation levels in the ground zero area are low and are considered safe for the public. You can enter Trinity Site through one of two entrances:

Alamogordo: Meet at the Otero County Fairgrounds in Alamogordo, NM and drive to and from the site in a convoy. Everyone in the convoy has to travel together, and you can't arrive late or leave early.

Stallion Gate entrance: Enter off US 380, 12 miles east of San Antonio, NM and 54 miles west of Carizzozo, NM. You will get a handout that explains the site and directions to drive yourself 17 miles through the WSMR to where a shuttle bus will take you to the site, and you can enter and leave at any time through this entrance.

Further information is readily available on-line or by writing to:

**Public Affairs Office,
US Army White Sands Missile Range
TEDT-WS-PA
WSMR, NM 88002**



Phone: (575) 678-1134

Email: WSMRPAO@conus.army.mil



CustomInk.com

Club T-Shirts: An order is being prepared. \$15 each. Small logo on front, large on back. Sizes youth to adult 4XL Samples will be available to try on at the June Board Meeting, Workshop and General Meeting. Place orders with Mark Nelson at mnelsonair@aol.com or call (909) 592-1322.

**Dobell Ranch Petrified Wood
Holbrook, Arizona**

Great selection and prices on petrified wood!
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DoBell Ranch Petrified wood.
- Photo by Editor.

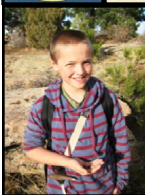
AZ-77 south from the center of Holbrook. At the intersection of US 180, turn left for 12.6 miles. Turn left at a white sign for the historic visitors museum with a drawing of a



Tonya Black

female deer and a bell (Doe-Bell). Drive the old paved highway lined with petrified wood until it ends at the Dobell Ranch. Ask for Gordon Dobell or Tonya Black! Fill a 5-gallon bucket with petrified wood or select larger pieces for your own museum!

Show a copy of this ad for a Special Rock Club Discount!



Luke Sattler

A Short Note On Wavellite

By Luke Sattler, Junior Member
Colorado Springs Mineralogical Society

Discovered by William Wavell in 1809, the mineral Wavellite is an interesting mineral that should be in everyone's collection. It is an attractive color and forms interesting crystal habits. Wavellite has three different and distinct crystal forms. The first crystal form, which is the most common, is spherical (figure 1); the spherical crystal form appears mainly on host rock such as limonite, turquoise, quartz and variscite. If you were to break the spherical crystals open you would see radiating lines that make up the crystal structure.

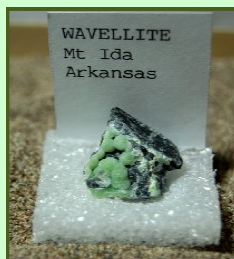


Figure 1: Wavellite (Image by Luke Sattler©2012)

The second crystal form, which is striated prisms, is the most beautiful and rarest of wavellite crystal forms. Specimens of striated prisms of wavellite are primarily found in Queensland, Australia and are expensive to purchase. The third crystal form

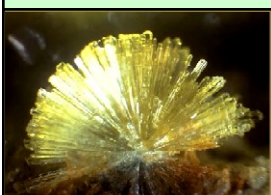


Figure 2: Image by Lou Perloff © Photo Atlas of Minerals. Used by permission.

is radial and is made up of straight prism crystals that radiate out from a center point (figure 2). This form of wavellite is also mainly found in Queensland Australia and is also rare. A few interesting facts about wavellite includes a hardness of 3.5 to 4; a density of 2.37g/cm³; and wavellite has many colors: brown, green (most common), yellow, blue, black and clear (also common). Wavellite has some uses but not many. Wavellite today is a mineral of interest to collectors and found in discriminating collector's mineral cabinets; wavellite is mined for its phosphate content from which manufacturers get phosphorus for toothpaste, water treatment applications, fertilizers, fire starters, fireworks and many other uses. Wavellite is formed as a secondary mineral of low-grade metamorphic rocks in limonitic and phosphate deposits. It rarely forms as a mineral in

WHAT MAKES PETRIFIED WOOD COLORFUL ?

It is not wood that makes petrified wood colorful but the chemistry of the petrifying groundwater. Minerals such as manganese, iron and copper were in the water/mud during the petrification process. These minerals give petrified wood a variety of color range. Quartz crystals are colorless, but when iron is added to the process the crystals become stained with a yellow or red tint. Following is a list of minerals and related color hues:

- Copper - green / blue Cobalt - Green / blue;
- Chromium - green / blue Manganese - pink;
- Carbon - black Iron Oxides - red,
- Silica - white, grey brown, yellow;
- Manganese Oxides - Black

hydrothermal veins. The locations shown in figure 3 include Mt. Ida in Arkansas, USA; Devon, England where William Wavell discovered it; Mt. Pleasant in Pennsylvania, USA and in Queensland, Australia.



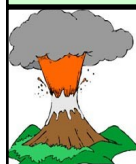
Figure 3. Map of wavellite locations. Wavellite only occurs in certain locations of the world. Image Google maps © (<http://www.mindat.org>). Used with permission.

This short note should give you the basic facts of this interesting mineral, and due to the limited locations your best bet of obtaining a specimen for your cabinet is at a local rock and gem show.

References:

- (<http://www.mindat.com>)
- Babbington (1805) Phil. Trans.: 162.
- Davy (1805) Phil. Trans.: 155, 162 (as Hydrargillite)
- Thomson; von Moll (1809).

This article appeared in the February 2012 Rocky Mountain Federation News.



BAKING SODA VOLCANO

by Susie Fackrell, Timpanagos Gem and Mineral Society

Have an adult help you with this project.

- 6 cups of flour - red food coloring - 2 cups of salt
- 4 tablespoons of cooking oil - warm water - baking dish or pan
- Vinegar - 2 tablespoons of baking soda - dishwashing detergent

PROCESS: First, make the cone of the baking soda volcano. Mix a dough of 6 cups flour, 2 cups salt, 4 tablespoons cooking oil and 2 cups warm water. The mixture should be smooth and firm. Add more warm water if needed. Stand a soda bottle in the baking pan and mold the dough around it into a volcano shape. *Don't cover the opening or drop dough in it.* Fill the bottle most of the way full with warm water and a bit of red food color. Add 6 drops of detergent to the bottle contents. Add 2 tablespoons of baking soda to the contents. Slowly pour vinegar into the bottle. Watch the eruption!

EXPLANATION: Why does this happen? The red lava is the result of a chemical reaction between the baking soda and vinegar. In this reaction the carbon dioxide gas is produced, pressure builds up inside the plastic bottle until the gas bubbles out of the top of the volcano. This is a good representation of what happens in real volcanoes!

<http://www.weatherwizkids.com>



FIELD TRIPS

By Joe Goetz



Joe Goetz, Field
Trip Chairman

This month our members will have a special field trip. We will be joining the CFMS and the Lone Pine Gem & Mineral Society on a trip to the Cerro Gordo Mine!

Mineral collecting is not normally permitted for the general public, but as guests of the Lone Pine club we will have this opportunity to look for specimens.

TRIP LOCATION: Cerro Gordo, CA

WHEN: Sunday, June 24. Day trip.

MEET: Leave from Lee's Frontier Chevron, South end of Lone Pine @ 8:30 a.m.

VEHICLES: Graded mountain dirt road, 9 miles. 5000' elevation. While the use of a four-wheel-drive vehicle is recommended, nearly any two-wheel-drive car or truck with moderately adequate ground clearance, good brakes and a sound drive train should suffice.

WHAT TO BRING: Rock collecting bags/buckets, rock hammer, small hand rake, walking stick, spray bottle and camera. Also layered clothing, hat, gloves, long pants, sturdy walking/hiking shoes or boots, sunscreen, sunglasses, bandanna, personal medications and first aid kit, whistle. Bring lunch and more drinking water than you think you can use - about one liter per hour of field time. This widespread field trip offers no shade. Gas and food available in Lone Pine - come with a full tank. **This is a "fee dig". Each person is asked to bring \$5.00 cash, 5 gallons of drinking water and 6 pieces of firewood for the site caretaker.**

MATERIAL: Mineral collecting at this site can be quite rewarding. Cerro Gordo is world renown for: anglesite, anhydrite, argentite, atacamite, aurichalcite, azurite, barite, bindheimite, bouronite, calcite, and caledonite, cermryrite, cerussite, ceruante, chrysocola, dufrenoyite, dufrenoyite, fluorite, galena, eothite, greenockite, hemimorphite, hollosite, hydrozincite, jamesonite, leadhillite, limonite, linerite, lironite, malachite, mimetite, plumbgumite, pyrite, quartz, silver, smithsonite, sphalerite, tetrahedrite, willemite and wulfenite. Of special interest to rockhounds is the smithsonite, which is world class!

ABOUT CERRO GORDO: <http://www.cerrogordo.us/> or <http://www.ghosttowns.com/states/ca/cerrogordo.html>

As usual, please confirm with me if you are planning to attend so that I can keep you updated on the trip or notify you if it changes in any way. (626) 914-5030.

..... Somewhere in California going the wrong way
zteoG eoJ

FEDERATION NEWS

CFMS - California Federation of Mineralogical Societies



The CFMS has launched its **Half a Million Nickel Drive** to raise money for the Endowment Fund of CFMS. This fund enables the CFMS to operate, to assist member clubs, to organize activities and communication and for the recognition of lapidary club members. We need

your nickels! Of course, dimes, quarters, halves and dollar coins, along with paper money and checks made out to PLS are also gratefully accepted. Cash in refundable beverage cans and bottles. Every nickel helps! We want PLS to be among the top fundraisers, so please be generous! At the May meeting we collected nearly \$12 !

Save The Date: The 2012 CFMS Show and Convention will be held July 13-15, 2012 in Riverside, California.

Read the entire article at: www.cfmsinc.org/newsletters

AFMS - American Federation of Mineralogical Societies



Make the World Go 'Round!

By Linda Jaeger

I bet you know people who really make your world go 'round. They're the ones who have a smile and an encouraging word for you on sight, in e-mail or on the phone. They're the ones who listen with an open mind and never get nasty when things go a different direction from their preference. They're flexible. They offer praise and constructive criticism as appropriate. They share knowledge, tips, connections . . . They're the folks who bring everyone together, whether "everyone" is a member within a club, a federation, or the general public. Sometimes this is called "networking." It gets things done efficiently: rock shows happen, education takes place, we make good friends! It's good business.

Are you "making the world go 'round'"? How about all you club members out there? And officers at every level --- is this your role, too? Let's help each other! Or are you the guy whose actions and words create division? Come on! Play nice! It's lots more fun that way!



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This is a true "hidden gem" for those interested in lapidary and jewelry work. A fully-stocked store with books, tools, beads and findings awaits you. Learn how to make jewelry from nothing-to-finished in their one-day classes. See upcoming classes and instructors at www.farrinoconnordesign.com/classes Or call them at (626) 796-5300. Free fenced parking.



PLS on the Internet

By Philip Lahr

The Pasadena Lapidary Society manages a Yahoo Group called PLS_Rockhounds. This Group is a message board for any member to ask questions of or provide information to other club members. The Group also has a Calendar that shows meeting dates and workshops and sends out reminder notices. Field trips may be added to the calendar in the near future. Files and photos can be shared here as well. Joining will help you stay in touch and informed. Please visit and sign up when you next sit down at your computer!

The PLS_Rockhounds group is found at groups.yahoo.com/group/PLS_Rockhounds. To join, select the "Join This Group" button above the welcome message. You will be asked to log in to Yahoo or create a Yahoo ID. Fill in the forms that pop up, submit the request and wait for the approval email.

Messages to the board can be posted either by emailing PLS_Rockhounds@yahoo.com or by going to the message board and selecting Start Topic from just above the message list. Messages should be relevant to the club, of a non-commercial nature, and should not include personal information such as phone numbers and addresses unless it is your own and you don't mind that it is posted on the web, visible forever to anybody who views the site. Replies to messages are also public. If you wish to send a reply only to the poster, select "Send email" under that person's name on the right side of the screen. Posts and public replies are e-mailed to over 70 Yahoo Group members as well as shown on the Group message board. If your message would be appropriate to say to room full of people, it is probably okay. If not, reconsider or keep it private. The message board is moderated which means that someone looks at and approves most messages before they are distributed. Messages may take a few hours to be seen and reviewed, but most will go through and if a message is rejected, you will get an explanation. — Philip

LOCAL ROCK AND GEM SHOWS:

1 - 3 WOODLAND HILLS: RockAtomics Gem & Mineral Society; Pierce College Farm; 20800 Victory Blvd.; Fri. 10-5, Sat. 10-5, Sun. 10-5; free admission; tailgating, dealers, gems, minerals, rocks, jewelry, beads.

Look for the gems in the calendar on page 8.



1 - 3 SAN GABRIEL BEAD COMPANY. Welcome Summer Sale. 20% off all beads in stock and Crystal Trunk Show! See ad on page 2.

9 - FORGED BRACELET DESIGNS. Farrin O'Connor Designs. Come and learn from a master craftsman! Instructor: Bon Paphatsarang \$123. See ad on page 6.

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

9 - 10: LA HABRA, CA: North Orange County Gem & Mineral Society, La Habra Community Center, 101 W. La Habra Blvd., Hours: 10 - 5 daily.

16 - 17—GLENORA, CALIFORNIA: Annual show; Glendora GEMS; Goddard Middle School; 859 E. Sierra Madre; Sat. 10-5, Sun. 10-4; free admission.

June 30 - July 1: CULVER CITY, CA: Culver City Rock & Mineral Club, Culver City Veterans Memorial Auditorium, 4117 Overland Avenue (Overland & Culver), Hours: Sat 10 - 6; Sun 10 - 5.

Member - To - Member

I would like to thank the Sunshine Committee for the flowers I was given at the April general meeting for being chairman of the Show Committee. I am pleased that so many of our members participated with their time and efforts! - Marcia Goetz

Jim Gersbach is looking for a used faceting machine. Contact him at (626) 577-6773 or at tenomo@netscape.net.

Members are welcome to submit an ad for items wanted, for sale or free to other members. Submit a non-commercial ad of three lines to the editor by email at mnelsonair@aol.com or to the address on page 8.



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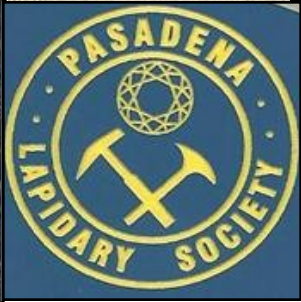
**June
2012**

The Pasadena Lapidary Society, Inc.
Bulletin Editor:
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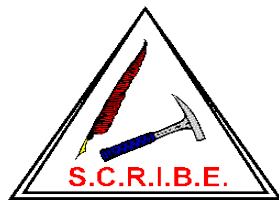
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June 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Don't forget to order your club T-shirt. See the article on page 4.		JUNE is named for Juno, the principle goddess of the Roman Pantheon. She is the goddess of marriage and the well-being of women. She is the wife and sister of Jupiter. She is identified with the Greek goddess Hera.		1 Woodland Hills	2 Woodland Hills
3 Woodland Hills	4 Lunar Eclipse	5 First Hot Air Balloon Flight 1783	6 Board Meeting	7 D-Day June 6, 1944	8	9 La Habra
10 Workshop	11	12	13 Thurgood Marshall became the first black justice on the United States Supreme Court, 1967	14 Flag Day	15	16 Glendora
17 Glendora	18	19	20 General Meeting	21 First Day Of Summer	22	23
24 Field Trip To Cerro Gordo Mine	25	26 Toothbrush Invented 1496	27 Supreme Court Justice Thurgood Marshall retired, 1991	28	29	30