



ROCKHOUND RAMBLINGS

SEPTEMBER 2017 | THE NEWSLETTER OF THE PASADENA LAPIDARY SOCIETY - PASADENA, CALIFORNIA



Finding Meteorites

You might think that, to find a meteorite, you would go to a place like Meteor Crater, in Arizona – which is what PLS member Mary Kirmil did as confirmed by her photo at the largest recovered fragment of the 100 million ton Canyon Diablo meteor that struck near Flagstaff, Arizona, 50,000 years ago.

Far more plentiful are fragments that can be found much closer to home! In this month's bulletin Paolo Sanchez presents an interesting original article called **Amazing Micrometeorites and How to Find Them**.

See the story on Page 4

Photo by Tim Dirks

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President's Message

Dear Members,

August was a very good month with lots of participation by everyone. I appreciate your willingness to help where needed!

Our board meeting was a productive one. Cindy Lamarche announced that the Hospitality Committee is working on the venue for our Holiday Party. She will provide all the information in the monthly bulletins and announce ongoing planning at our regular general membership meetings.

Marcia Goetz was appointed as Nomination Chairperson for the upcoming election of officers

for 2018-2019. She has two members from the board of directors and two members from the general membership. This committee will present their slate of officers at the September general membership meeting.

Carolyn Duncan held a rock sale in July. She had several volunteers helping to move buckets and crates, others helping with sign-in and collecting money and others working to expedite getting members in and out with their purchases. The sale was a success and all of the rocks and old equipment that had been donated were sold! We would like to give a sincere thanks to Victor Castellano for his help in storing the material and for his supervision of the set-up and clean-up after the sale ended.

Mona Ross has done an excellent job of

providing the membership with interesting meeting speakers this year and we would like to thank her for her diligence. Our August Rock of the Month was presented by Paolo Sanchez on Part Two of his presentation of Radioactive Minerals. Courtney Richards from Paleo Solutions was our guest speaker and spoke on her work on retrieving specimens of fossils from the LA Basin and across the country.

Upcoming events for September include the Board of Directors meeting on September 7th at Matt Denny's in Arcadia, the Workshop on the 10th, and the General Membership meeting on the 19th.

Can You Dig It?

Ellen Ferrell, President

Meeting and General Society Information

Officers

Ellen Ferrell, President
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<Ellenbf2007@aol.com>

Mona Ross, Vice President
(626) 437-0150
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Joe Goetz, Federation Director
(626) 914-5030
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August Board Meeting by Mark Nelson, Secretary

◇ The idea to have a Members Boutique Show & Sale this Fall to permit members to sell their surplus material to the public was presented by Cindy Lamarche and Linda Nelson, supported by Mark Nelson and Ben Shutman. The majority of board was not in favor and the matter was not brought to a vote. ◇ The idea of a "Speakers Bureau" which would provide members who are willing to talk about some aspect of our hobby to community groups will be considered. ◇ A nominating committee will be organized to nominate candidates for our 2018 officers at the September meeting.

August Program Meeting

◇ Courtney Richards, the principal paleontologist for Paleo Solutions, Inc. of Monrovia, spoke about her work of documenting, excavation, collection and curation of artifacts and fossils uncovered during construction projects ◇ Paolo Sanchez presented Part 2 of his two-part original series called "Radioactive Minerals".

If you would like to be a speaker at our monthly meeting - either as a program or a rock-of-the-month speaker, please let Mona Ross know.

September Program Meeting

The Changing Gemstone and Bead Industries – New Finds, Fakes, Created, Dyed & Enhanced: An illustrated talk by Ken Rogers. After you attend this presentation you will never look at beads and gemstones the same way again! It was a great hit at the CFMS Show — **Don't miss it!**

Come early at 6 p.m. and enjoy coffee and light refreshments by Cindy Lamarche's Hospitality Committee. Bring rocks and minerals for identification! The display table is for members to show items they have collected at recent field trips or in their travels.

Membership Information and Meeting Locations

FAIR USE NOTICE. This publication may contain copyrighted material the use of which has not been specifically authorized by the copyright owner.

We are making such material available in our efforts to advance the educational understanding of the amateur jewelry fabrication and rock collecting hobbies.

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Newsletter Articles, ads or corrections should be sent to the editor: **Mark Nelson**, P.O. Box 5025, Pasadena CA 91117-0025 or by email to pasadenalapidary@aol.com

Membership per calendar year is only \$25, \$15 for a second adult member in the same house. Junior members and the third or more adult members at the same house are \$10. Initiation fee is \$2.00 per person and membership badges are \$9.00. Renewals are due by the October General Meeting and delinquent after December 1st. Mail checks for membership to P.O. Box 5025, Pasadena CA 91117-0025.

Website:

www.pasadenalapidarysociety.org
Email: <pasadenalapidary@aol.com>

Board Meetings: 7:00 PM on the first Thursday of the month at Matt Denny's Ale House, 145 Huntington Drive, Arcadia CA. All members are welcome to attend! Join us for a No Host dinner. Menu is on-line.

Program Meetings: 6:45 - 8:45 PM on the third Tuesday of each month at the Pasadena Central Library at 285 E. Walnut Street. Doors open at 6pm. **Guests are welcome!**

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

Workshop: The use of the club's equipment is available to members from 9am to 5pm on the 2nd Sunday of each month in our shop at 97 E. Montecito Ave., Sierra Madre. There are two sessions - 9am to 1pm and 1pm to 5pm. Equipment proficiency is required and instruction is free. Fees are \$3 per session or \$5 for a full day. Bring lunch!

Safety: Liability waivers, eye protection, closed-toe, flat-heel shoes and machinery safe-practices are mandatory for all participants. Workshops are for adult members and junior members 8 and older with 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.



Joan's Corner

EDUCATIONAL OUTEACH

Joan Harrison
Chair, Education Committee



It's a great time to schedule our popular rock and mineral presentation for your school, civic group, church, community, or youth group. To schedule a presentation by one of our experienced club members, contact Joan at (323) 662-3074 or at <liveoak180@yahoo.com>.

Display Table — Paulo Sanchez is coordinating the Display and Rock I.D. table at our club meetings. You may display items of general interest, workshop projects and items you've collected on field trips to display. If you'd like to know the name of a rock or mineral you've acquired, please bring it to the next meeting and set it on the table, with a "What is This?" note. Polishing a small section, or carefully "knocking off" a small corner of the specimen will provide more clues!

It's time to nominate our 2018-2019 Elected Officers !

At the September Program Meeting we will nominate our elected officers for 2018-2019. These are President, Vice President, Secretary, Treasurer and Federation Director. Regular and Life members in good standing are eligible for the elective offices. The Nominating Committee will provide a slate of candidates and additional nominations will be solicited from the membership at that time. Please plan to attend the September meeting to nominate members to serve the Society for the coming two years!

It's time to nominate our 2018 Rockhound and Junior Rockhound Of The Year!

The Rockhound Of The Year (ROTY) and the Junior Rockhound Of The Year (JROTY - ages 8 though 17) are persons whose contribution has been of significant value to the Society. It is the intent of the Society to recognize one or more of its members annually for each category. Any member of the Pasadena Lapidary Society can be nominated for this honor. Nomination Procedure: Persons wishing to nominate a person for the Rockhound or the Junior Rock-hound Of The Year shall submit a nomination form. The nomination form is available on the Member Tools page of the web site. Submit one form for an adult nominee and a separate form for a junior nominee. Mail the form to the post office box or email it to <pasadenalapidary@aol.com>. All nominations must be received by October 1st, 2017.

WORKSHOP

This Month's Workshop Program — Bead and Cabochon Sale !

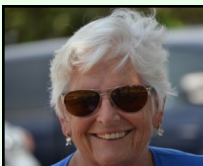


There will be a bead and cabochon sale at the September Workshop! The beads are in strands and have been discounted. There will also be club T-shirts for sale ranging from small to 6X. New slabs have been put in the bins for members to use at the workshop. The beading class was a success! Some members finished their project and others can continue working in September.

Park on the street or in the parking lot on the east side of the building and enter through the walkway on the west side of the building.

New and current members who have not received our new safety orientation are required to do so prior to participating in workshop events. The safety orientation will start at 9:15am. Please contact me to schedule your orientation at: 909-593-2781 or at <gem.quest@verizon.net>.

..... Carolyn Duncan, Workshop Chair



Welcome New Members !!



The Society is continually seeking new members, ideas and enthusiasm to assist us in sharing the enjoyment and understanding of earth sciences. **We welcome our newest members - Eugene and Ellen Kim; Debbie, Leonor and Jason Delgado - and William Stuppy !**

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! Give us the name and address of someone who might be interested and we'll send them a complimentary bulletin!

ROCK OF THE MONTH PRESENTATION



This month **Cori Solan** will introduce us to our own State Gemstone! Benitoite was not even discovered until 1907 and Cori will talk about how special it is! Don't miss it!

ROTM is a fun way to share a rock, gem or mineral that you find interesting. It doesn't have to be long or fancy, just 5 minutes or so. **Remember, if it is interesting to you it will also be interesting to all of us!**

I have openings for October and November. To be scheduled to talk about an interesting rock or mineral at an upcoming meeting, sign up at the monthly meeting or email me at: <mlr.attofgrat@gmail.com>Mona Ross



Be one of the growing number of our followers on Twitter!

<https://twitter.com/pasalapidary>



Program Meeting Refreshments:



Program Meeting Refreshments — Thanks to **Michael and Irene Perez** and **Ferdie and Debbie Sanchez** for bringing refreshments to the **August** meeting! **Carol Burton** and **Martha Wilson** are

scheduled for the **September** meeting! **To volunteer to bring light refreshments** - contact me at (626) 833-8710 or by email at <grammiecyn@verizon.net> Cindy Lamarche

Sunshine:



Mona Ross is recovering from the effects of a concussion. Mona does a great job with our monthly programs and we hope that she recovers quickly! ♦ Life member Kay Holgate passed away peacefully on July 9th at her home.

The Pasadena Lapidary Society has a **Sunshine Committee** to send cards and words of comfort as well as support and congratulations to our members who are in need or who are deserving of it. **Help me recognize them!** ... Cindy Lamarche.



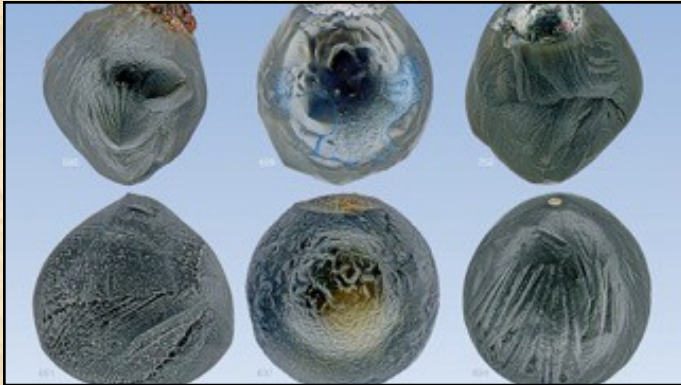


Amazing Micrometeorites and How to Find Them

By: Paolo Sanchez (Age 17) — Pasadena Lapidary Society

When people hear the term “meteorite”, they usually get excited about the fact that these rocks came from worlds beyond our own. This excitement is the main reason why so many people want to search for a piece of this space rock to keep. Although it might seem that these meteorites are extremely rare to find, they are actually a lot more common than you think they are.

Everyday, a staggering amount of around sixty tons of tiny dust-sized particles, called micrometeoroids, are drawn from space by Earth’s gravity pull and pulled into the atmosphere. Once micrometeoroids enter the Earth’s atmosphere, they are called micrometeorites. As they fall through the middle layers of the atmosphere high temperatures, caused by the friction between the micrometeorites and atmospheric particles, melt the micrometeorites’ outer layers - giving them a scorched, smooth, rounded surface that often has the appearance of tiny spherules.



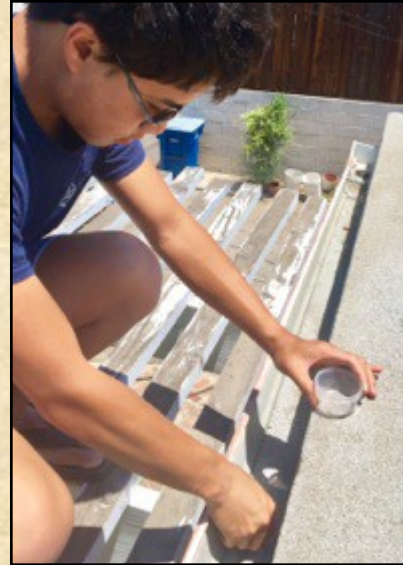
Above: Magnified Metallic Micrometeorites Source: skyandtelescope.com
Image URL: <http://www.cdn.skyandtelescope.com/wp-content/uploads/Stjernestovteaser.jpg>

When the micrometeorites enter the lowest layer of the atmosphere (the troposphere) gusts of wind slow down their fall, making their decent to Earth harmless to life. However, many micrometeorites are so light that they can get stuck in thick clouds. All micrometeorites are composed of either metal and/or stone, where iron, nickel, silicon, and oxygen take up most of its mass. Most of them originate from asteroids and comets, but they can also come from lunar and interplanetary origins. The size of these micrometeorites can range from 50 micrometers to 2 millimeters.

In order to find one of these micrometeorites, you need to look no further than a house’s roof gutter. Because many micrometeorites fall into the clouds, they remain up there until it rains. Once it starts raining, some micrometeorites get stuck in condensed water droplets in the clouds and are transferred to the surface via falling raindrops. As it continues raining, the micrometeorites are mixed in with dirt and debris that are washed away and trapped in roof gutters and other drainage systems. Once it stops raining, you can just go up on the roof and gather some of the sediments in the gutter with a magnet.

Because most micrometeorites have a considerably high iron content, they stick to magnets - along with many terrestrial iron particles. In order to distinguish the micrometeorites from the terrestrial particles,

you need to scrape off the sediment attached to the magnet, spread the sediment out on a sheet of paper, and take a close examination of the sediment with a microscope that has about a 10x to a 60x magnification. Any grains of sediment that appear to have the distinguishing metallic-colored spherical shape would most likely be the micrometeorites that you are looking for.



Above: The author looking for micrometeorites in a roof gutter with a magnet.

This procedure of doing some urban/suburban meteorite hunting is commonly done as school science projects and is simple to do as long as you have access to your roof gutters and to a good microscope. For those who cannot access the roof gutter, you can collect the micrometeorites just by placing an empty bucket at the bottom of the roof gutter’s down-pipe right before it showers. Once it rains, some sediment from the roof gutters would be washed from the down-pipe and into the bucket.

Today, micrometeorite hunting has grown in popularity and, because of the ubiquity of these space particles, anyone can find micrometeorites - almost anywhere across the world!

Works Cited: Dickinson, David. "Micrometeorites Found on City Rooftops." *Sky & Telescope*. N.p., 31 Jan. 2017. Web. 27 June 2017; Griggs, Mary Beth. "60 Tons Of Cosmic Dust Fall To Earth Every Day.;" *Popular Science*. Popular Science, 12 Mar. 2015. Web. 27 June 2017; Larsen, Jon. "In Search of Stardust." *Project Stardust*. N.p., n.d. Web. 28 June 2017; Physical Science 21 Laboratory "The Hunt for Micrometeorites" csufresno.edu. N.p., Web. 27 June 2017.



Mining Supplies and Rock Shop

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Monthly Field Trips !

We Support Lapidary Clubs!



Activities, Tips and Information



Replacement Member Badges

Order your replacement member badges from Linda Nelson, our Treasurer at PasadenaLapidary@aol.com or from Marcia Goetz, Membership Chair, at joenmar1@verizon.net. Badges are \$9 including mailing. Specify pin or magnet back.



Summer officially ends on the 22nd. Send us your photos of earth-science related subjects that you saw during the summer! (NASA photo)



The coming of Fall kicks off our Winter Food Drive for the Friends In Deed Food Pantry and Women's Shelter. Other than our Annual Show, this is our main outreach to the Pasadena Community. Let's make it a good one!

Please be generous and start a cache of food to donate today! See the calendar page of the web site for suggested items.

Member Creations



Left: Megan McHone created these unique earrings of polished Mahogany Obsidian cabochons, hand tinted resin and sterling silver. Made in April 2017.

Below left: A nice specimen of jade set in gleaming sterling silver by Jodia McLeod.



Send a photo of your creation by text to 909.996.1784 or by email to <pasadenalapidary@aol.com> Be sure to describe what it is!

Activities, Tips and Information

DRILL BREAKAGE

By Brad Smith



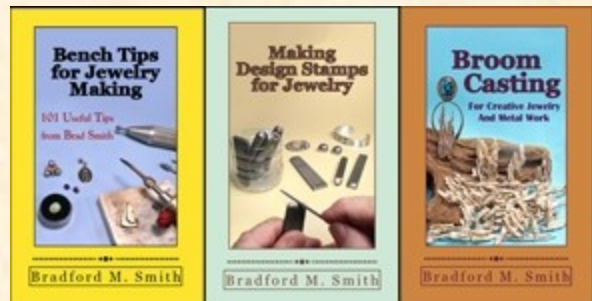
Using a small drill is difficult for a beginner, especially if it is hand held in a flexshaft or Dremel. They are easily broken if you push too hard or if you tilt the drill while it's in the hole.

Most problems, however, are the result of buying cheap drills that suffer from poor quality steel or inaccurately ground cutting edges. A good drill from jewelry supply companies is well worth the price.

Remember that drilling always goes easier with lubrication. A little wax or oil is all you need. Almost anything will work - Three-In-One oil, beeswax, mineral oil, injection wax, car oil, olive oil, or one of the commercial cutting waxes. The lubricant helps to move chips out of the hole and reduces friction of the drill against the side of the hole, keeping the drill cooler.

Brad Smith is a member of the Culver City Rock & Mineral Club. He has spoken at our Program Meetings and provides tips for lapidary and jewelry students. He is also the moderator of LA Rocks!

See all Brad's jewelry books at Amazon.com/author/bradfordsmith



Be a part of the process! Don't forget to send in a nomination for your pick for 2018 Rockhound and Junior Rockhound Of The Year, and to attend the September program meeting for officer nominations!

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San Dimas, CA 91773
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FIELD TRIPS

Going to Big Bear September 23, 2017



Joe Goetz
Field Trip Chairman

This month will be an adventure!. We are going to explore the mountain areas around Big Bear in the San Bernardino Mountains! As you can see from the title, the trip will be on Saturday, September 23rd.

We'll meet at the Big Bear Discovery Center on the North Shore Road at 9 A.M. The address is 40971 North Shore Drive/Hwy 38, Fawnskin, CA 92333 There are the little quartz crystals by Baldwin Lake, copper minerals around the copper mine and various other places to go and collect a lot of other stuff.

You should allow 2 hours to get there from Pasadena, and be sure to bring a lunch, as we might not be able to get into town. Bring your camera and all of the other things you would bring on a day trip. You know, hat, bug repellent, sun screen, water and so forth. It should prove to be an interesting day of discovery and a lot of fun!

The weather and other factors are never certain. As always, please give me a call to let me know you are coming (626) 620-7239 or by an email to joenmar1@verizon.net and watch for updates on the web site.

Lost somewhere in California — Joe Goetz

Note: Using a hand-held metal detector to locate mineral deposits such as gold and silver or to find coins of recent vintage (less than 50 years) and small objects having no historical value, as a recreational pursuit, does not currently require a USFS Special Use Permit.

Source: www.fs.usda.gov/detail/sbnf/recreation/rocks-minerals

Congratulations to Tom Traeger, Jaci Cooper, Jan Easter and Alyson Nishimura for knowing that the egg-shapes found at the Moenkopi Dinosaur Track Site are iron concretions. **Prizes were awarded at the August program meeting!**



Editor's Quiz

Adult and Junior Members:

What kind of a battle is remembered as having occurred on September 2nd ?

The answers to this month's quiz can be found in this bulletin or on the Internet. The first Adult and Junior Member to correctly answer this question will win a special prize at the next Program Meeting. Email your answer to the Society's email address: pasadenalapidary@aol.com.

FEDERATION NEWS

By Joe Goetz

CFMS - California Federation of Mineralogical Societies



Jennifer Haley,
CFMS 1st VP

CFMS EARTH SCIENCE STUDIES Camp Zzyzx 2017 from a report by Jennifer Haley, Camp Manager-South

CFMS has held classes at this former health spa at Zzyzx, in Southern California, for 32 years. The camp has picturesque views of the desert and sunsets like rainbow sherbet. CFMS teaches classes here once a year in March. This year we had a full camp with 68 students. Classes taught: silver fabrication; precious metal clay; faceting; wire art; beading; soft stone carving; lapidary; alternative casting; and field trips.

The camp is very popular and spaces fill up quickly. Check the CFMS web site for the application as soon as it is posted.

For all of the current CFMS news, read the CFMS Newsletter at: www.cfmsinc.org/

AFMS - American Federation of Mineralogical Societies



Future Rockhounds Of America Program

The AFMS has a wonderful program of merit-badge style achievement patches to award to junior members.



This is designed to encourage them to participate more in Earth Sciences.

To help bring this program to our Society, contact our President, Ellen Ferrell.



SO YOU THINK YOU KNOW EVERYTHING

- It takes glass one million years to decompose, which means it never wears out and can be recycled an infinite amount of times!
- Gold is the only metal that doesn't rust, even if it's buried in the ground for thousands of years.
- Your tongue is the only muscle in your body that is attached at only one end.
- If you stop getting thirsty, you need to drink more water. When a human body is dehydrated, its thirst mechanism shuts off.
- Each year 2,000,000 smokers either quit smoking or die of tobacco-related diseases.
- Zero is the only number that cannot be represented by Roman numerals.

Save used postage stamps for the CFMS!

Why throw away these mini works of art? Former CFMS President Dick Pankey leads the Federation's effort to help fund the cure for cancer through the donation of used postage stamp for international collectors. Give them to our Federation Director, Joe Goetz, by October, at any Society function!

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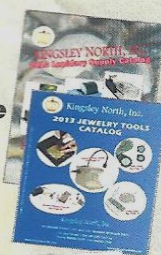
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TIPS, HINTS AND SAFETY

Ending Beading With A Bead Tip

By Fire Mountain Gems



The bottom-hinged clamp-on style of bead tip has a thread hole in the bottom hinge. The clamp forms a spherical bead with an attachment loop.

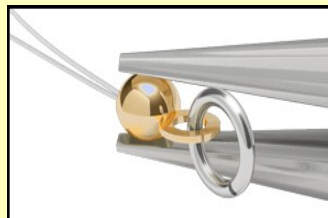
Step 1: Feed thread through the thread hole in the hinged section of the bead tip.



Step 2: String one seed bead onto your thread then pass the thread back through the seed bead in the same direction, to hold seed bead in place.

Step 3: Pick up your bead tip and lay the seed bead inside the bead tip cup. Optional: Place a small amount of gel adhesive inside the bead tip.

Step 4: Once bead is lying in bead tip, use a pair of flat-nose pliers and gently close the bead tip. Attached at the top of the bead tip is a loop you can open, use a pair of flat-nose pliers to twist the loop open and attach to your jump ring and/or clasp. Note: Some bottom clamp-on styles feature closed double loops for attaching a jump ring.



You can view this process as a video tutorial at the following web site http://www.firemountaingems.com/resources/videos/691p

LOCAL ROCK AND GEM SHOWS

September 17 – Los Angeles: "From the Edge of the Solar System" a newly discovered comet! Lecture by Prof. David Jewitt 2:30-3:00pm UCLA Slichter Hall Room 3656 595 Charles Young Drive East, Admission is free.

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



October 4 - 8 — YUCCA VALLEY: Hi-Desert Rockhounds; Sportsman's Club of Joshua Tree, 6225 Sunburst Street; 9 - 6 daily. www.jtsportsmansclub.com/gem.html

7 - 8 — VISTA: Vista Gem & Mineral Society; Antique Gas & Steam Engine Museum, 2040 North Santa Fe Avenue; Hours: Sat 10 - 5; Sun 10 - 4

8 FALLBROOK: Fallbrook Gem & Mineral Society; Fallbrook Gem & Mineral Building, 123 West Alvarado Street; Hours: 9 - 4 Website: www.fgms.org

Club shows are a great source for lapidary material! Please plan to attend one of the lapidary club shows listed on this page, and wear your club badge, shirt or vest when you do! Send me a "selfie" - Editor

14 - 15 — TRONA: Searles Lake Gem & Mineral Society; SLGM Show Building, 13337 Main Street. Sat 7 - 5; Sun 7 - 4; www.1.iwvisp.com/tronagemclub. This is our field trip for October. It is self-guided. The trips to collect rare salt minerals on the lake are well worth the trip. See the details on the PLS web site calendar page.

14 - 15 — WHITTIER: Whittier Gem & Mineral Society, Whittier Community Center, 7630 Washington Avenue; 10 - 5 daily; wgmsca.com

21 — WEST HILLS: Woodland Hills Rock Chippers; First United Methodist Church, 22700 Sherman Way; 10a - 5p; www.rockchippers.org

22 — CULVER CITY: The Bead Society Show; 10a-5p; Veteran's Memorial Auditorium, 4117 Overland Avenue, Culver City, CA 90230

Society T-Shirts, hats and vests are available to our members through our president, Ellen Ferrell. Vests = \$10, T-Shirts = \$15, Hats = \$11 and replacement member badges = \$9 (specify either magnet or pin mount). Phone: 727-512-0381 or Email: <ellenbf2007@aol.com>

Put the PLS logo on YOUR shirt, bag or jacket! TAS (The Advertising Specialists) now have our digital logo and they can print or embroider our logo on your item. Cost is very reasonable. Ask for Leah - 841 E Rte 66, Glendora, CA 91740 (626) 966-4770.

Member - To - Member section with 'BUY SELL TRADE' logo, text about Firefly Kiln, and a photo of the kiln.

Articles, illustrations and photographs printed in this bulletin are as credited to their author. Items not so credited are written or provided by the Editor and are not an expression of the Pasadena Lapidary Society.

Carpet City advertisement for Basem Jibrin, Member Pasadena Lapidary Society, offering discounts to members and free estimates.

SEPTEMBER
2017

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

First Class
Mail



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.

September 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		The largest battle flag ever flown at that time was sewn by local flagmaker Mary Young Pickersgill for the defense of Baltimore during our second war for independence from Britain. George Armistead, the commander of Fort M'Henry, specified "a flag so large that the British would have no difficulty seeing it from a distance". The Star Spangled Banner — September 13th, 1812.			1 Eid al Adha	2 Battle of Actium Roman legions under Augustus Caesar defeat Anthony and Cleopatra — 31 B.C.
3 Frederick Douglas escapes slavery 1838	 LABOR DAY	5	6 Full Moon	7 Board Meeting	8 Nativity of Mary	Statehood September 9, 1850 CALIFORNIA REPUBLIC
Work- 10		12		14	15	16
17	18	19 Program Meeting	20	21 Rosh Hashannah	22 Autumnal Equinox	23 Field Trip to Big Bear
24	25	26 Johnny Appleseed born 1774	27	28 1542 - California discovered by Portuguese navigator Juan Rodriguez Cabrillo	29	30 Yom Kippur