



ROCKHOUND RAMBLINGS

JUNE 2017

THE NEWSLETTER OF THE PASADENA LAPIDARY SOCIETY - PASADENA, CALIFORNIA



* Asterism *

Rob Cutshaw, collecting gemstones near Andrews, North Carolina, found a large blue sapphire in 1969 and employed gem cutter John Robinson of Plano, Texas, to cut and polish the stone in 1987. On the fourth day of cutting, Robinson discovered a rare pattern that formed a Star of David in the main crystal. The 2 1/2-pound stone yielded a 2,111-carat sapphire - a new Guinness World Record!

Andrews, N.C. and the southwest part of Montana are some of our country's best-known places where the public can search for and collect gemstones from streambeds and alluvial deposits. The star pattern is known as Asterism, and Pasadena Lapidary Society Junior Member, Paolo Sanchez, tells us how this phenomena comes to be in his article in this month's bulletin!

April 12, 1987 | United Press International, Sun-sentinel.com

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President's Message

Dear Members,

We have had a very good month in May. The Board Meeting went well and we voted in some new members. We had a full house at the workshop.

Valerie Stathatos and Gloria Biesterfeld assisted at the front desk so I could help in some other areas. Phil Lahr gave a very enjoyable class on making a chainmaille bracelet. Carolyn Duncan and Ed Imlay had six new members for an orientation.

Everyone is talking about the *Ventura Rocks the Nation Show* - coming up June 9, 10 and 11th. It

will be at the fairgrounds. Several of our members are working at the show and others have been notified that they have won an award to be presented at the Editors Breakfast on Sunday. This is a big show and clubs from all across the country will be attending. Some of our members have entered showcases into competition and Ferdie Sanchez is entering a showcase for the PLS.

Our annual picnic and food drive is coming up June 25th at Arcadia Park. Details are in this bulletin. This is a great time for everyone to catch up with their visiting and eat some great food at the potluck

Marcia Goetz has been under the weather but she is back 24/7 for PLS and CFMS.

Thank you Marcia! Joan Harrison is doing a splendid job with the education position. She is so organized and has lots of things scheduled in the coming weeks.

Paolo Sanchez is such a knowledgeable young man. If he doesn't know what a rock is, he will research all the elements and determine it's identity. If you have things you have collected on a field trip or obtained in other ways that you want help identifying, please bring to the general meeting and place it on the table for Paolo's assistance.

Thank you to everyone that is putting in those extra hours to make PLS a great club!

Ellen Ferrell, President

Meeting and General Society Information

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May Board Meeting by Mark Nelson, Secretary

The May board meeting was cancelled, as there were not enough board members present for a quorum. Several prospective new members were presented for approval. They were approved by those present and by members not present (by phone) and will be confirmed at the June Meeting.

May Program Meeting

Our Vice President, Mona Ross, explained interesting facts about Beryl, one of her favorite gem stones.

The Monthly Program featured Dick and Mary Pat Weber. The Weber's presented *Septarian Nodules Deposits of Southwest Utah*. The Webers are retired exploration geologists who have worked and traveled extensively throughout North America, Australia and New Zealand. During these travels they have been granted special access to many mines and unique geologic areas.

Mark Nelson, who attended the 2017 Northwest Federation's convention in Hamilton, Montana immediately after the May program meeting, took time to collect Septarian nodules to donate for the June meeting raffle!

May Program Meeting

Bad Geology in the Movies. Tim Dirks, Author/Editor of AMC Networks' Filmsite.org, will be presenting a very entertaining talk about the ways in which many Hollywood films are full of myths and falsehoods about science. A number of geology-related films will be analyzed, critiqued, and illustrated with examples from the films themselves.

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.

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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 Mimi's Café, 145 Huntington Drive, Arcadia CA. All members are welcome to attend!

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.

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



**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 <so_lartech551@yahoo.com>.

Mona Ross reported that Ed Imlay, with Paolo Sanchez and Jennifer Nishimura gave a presentation to Washington S.T.E.A.M. Academy on April 20th, and that the Committee gave a presentation to Madison Elementary on May 11th, to the San Marino Theme Club on May 18th and to E.O. Lawrence School on May 9th.

Display Table: Paolo 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. Your Editor did this in the hope of identifying a polished rock acquired in his travels and our program speakers were able to identify it as Dulcote Agate from Somerset, England.

Our annual PLS Picnic and Food Drive will be held on June 25th at Arcadia Park in our usual spot near the west parking lot off Santa Anita avenue beginning at 10am. Look for our round PLS signs. Details are on the web site. Lunch will be served at 11:30am. Bring your own chair, a dish to share with everyone and an E-Z Up if you have one so we can have plenty of shade. The club will provide hot dogs, soft drinks, water, table ware, plates and napkins. Ed Imlay has volunteered once again to bring his BBQ and turn those hot dogs into yummy delights!

Bruce and I would like to have some help setting up, so if you are able to be there an hour earlier and help with E-Z Ups, tables and prep please give me a call at 909-392-4737. I don't think a food sign up sheet will be necessary - we always seem to have plenty of food if everyone pitches in and brings something to share.

I'm looking forward to seeing everyone there and having a wonderful time relaxing, eating great food and sharing with one another! See you then!!

..... Cindy Lamarche, Hospitality Chair

WORKSHOP



The June workshop will focus on providing help for those who need it to finish their projects. I will be bringing diamond drills so those members who have not had a chance to learn how to drill a hole in a stone will be able to do so with my small drill press and a Dremel. You are welcome to bring your own hollow-core diamond drills to use so you can learn to do this technique in your own home. The workshop grinders and saws will be available for your use.

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 - Ellen Limeres, Cori Solan, Mike McMenamin and Karl Stuhl !

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 Mary Kirmil will present a colorful presentation on an even more colorful rock — **Peacock Ore!** Members in attendance may have the opportunity to take home a specimen of this beautiful rock from Mary's collection!

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

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 Ed & Corinne Imlay and Mona Ross for bringing refreshments to the **May** meeting! **Christine Tureaud** and **Denise Davis** are scheduled for the **June** meeting! **To volunteer to bring light refreshments** - contact me at (626) 833-8710 or by email at

<grammiecyn@verizon.net> Cindy Lamarche



Sunshine:

Marcia Goetz has been under the weather but she is fully recovered. ♦ Our thoughts and prayers are with Corinne Imlay, whose brother, Monsignor Eugene Frilot - a widely respected Catholic priest from Glendale, entered into Eternal Life on April 19th.

*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.*





Asterism: Gemstones' Hidden Stars

By: Paolo Sanchez, age 17

As I was walking along the aisles in one of my first gem shows, a set of dark-red cabochons caught my eye. I assumed that these small cabs were natural rubies, but as I examined them, they all appeared to have unusual stars of light illuminating the stones from above. My excitement soon turned into disgust as I thought that these bright gems were artificial, all because of those unfamiliar luminescent stars on their domes. I immediately left the dealer's table — not knowing that I had just encountered one of the most intriguing occurrences in the world of gems and precious stones!

Now, however, I am certain that the gems were natural, and that the stars on those cabochon domes were prime examples of a natural gemological phenomena called *asterism*.

Many gem and mineral collectors have encountered a so-called "star ruby" or "star sapphire" and would've most likely seen these gems as cabochons, unmounted or mounted in jewelry. These *asteriated* gems, including a couple dozen other gemstones (i.e. garnet, rose quartz, emerald, apatite and cymophane) are all capable of exhibiting a fine four, six or even twelve-pointed star of white light when viewed from different angles. However, most stones of these gem "species" do not show any sign of asterism at all. In fact, there are more known locations of where to find diamonds than where to find star rubies and star sapphires!

Surprisingly, the seemingly pure sparkle of these unique stones are the cause of impurities within the gemstone itself. As corundum (a.k.a. ruby and sapphire) crystals grow in a hexagonal barrel-shaped form, microscopic acicular (needle-shaped) crystals of rutile, a titanium oxide [TiO₂], grow in densely-packed structures parallel to the faces of the crystal, making the internal crystalline structure look like a bunch of concentric hexagons when viewed with the naked eye. When a lapidary cuts a corundum crystal width-wise, and polishes a dome on one of the cut ends, a bright star may appear to be floating on the dome. As light shines down upon the gem, the metallic rutile inclusions reflect and concentrate the light, forming a bright star whose rays are perpendicular to the rutile needles. This type of asterism is called *epiasterism*, where light is shown onto the rutile-laden gemstone. Most other asteriated gems such as star-garnet and cymophane also showcase their stars in this method.



Above: Star rose quartz exhibiting diasterism
Source: gemwow.com

However, there is another known type of asterism, where the distinctive star can be seen only when light shines *through* the gemstone. This type of asterism is called *diasterism*, and it is commonly exhibited in asteriated rose quartz. During the formation of rose quartz, small amounts of an aluminum borosilicate mineral, dumortierite [Al₇B₃O₃(SiO₄)₃O₃], grow as microscopic fibers that are ordered along one of the axes of symmetry within the crystalline structure. Because of the vitreous (glassy) luster that the fine dumortierite fibers exhibit, the arrangement of the fibers allow light to be reflected in such a way that when light passes through the gem, the light gets reflected and concentrated into a vivid, ghost-like star shape.

Although the science behind the stars is quite extensive, the history of these allusive gems is scarcely-recorded. Historical mentions of asteriated stones are said to begin from ancient times, where ancient Greek and Roman historians (such as Homer and Pliny the Elder) took note of "star stones from India". However, different translations of these ancient authors' texts bring up arguments as to whether or not asteriated stones existed in these ancient western societies. In ancient India, on the other hand, Hindu tales tell of star

sapphires and star rubies being used as talismans.

Over the centuries, word about these strange gems spread across the globe, and demand for them grew steadily. In the later half of the twentieth century, discoveries of treasure troves of asteriated gems in Southeast Asia and Africa caused a lot of these rare minerals to flood the gem market. The main countries of which major deposits of asteriated gemstones would include: Thailand, Sri Lanka, Myanmar, India, Vietnam, Madagascar, Afghanistan and Tanzania. Other, less significant deposits of asteriated gems include: Australia, Brazil, Pakistan, Cambodia, Kenya, Nepal and even the United States.

Even though asteriated gems have some abundance in the gem market, there are only a few individual asteriated gemstones that have made it to the headlines. Such gems include the "Rosser Reeves Star Ruby", a star ruby with a weight of 138.7 carats, and the famous "Star of Asia", a star sapphire with a weight of an astonishing 330 carats!!

With all of this talk about the rarity of these asteriated gemstones, it may seem rather difficult to obtain a specimen, but these gems actually appear quite often in gem shows, and they can fetch a reasonable price. Obtaining a gem from the field, however, is a different story, where even the miners of prominent, star-gemstone-producing countries have difficulty finding such stones.

Overall, asterism has captivated the minds of scientists, historians, and the mineral collector alike. And, even though I still have some regrets about my first encounter with the phenomenon, it has brought me more insight into the extensive world of gems and minerals!



Above: Star Ruby (Note the hexagonal arrangement of rutile crystals)
Source: gemselect.com

Works Cited: Cipriani, Curzio, and Alessandro Borelli. *Simon & Schuster's Guide to Gems and Precious Stones*. New York, Simon and Schuster, 1994; "Definition of Asterism." *Definition of Asterism - Mindat.org Glossary*. N.p., n.d. Web. 11 Apr. 2017; "Dumortierite." *Dumortierite: Dumortierite Mineral Information and Data*, www.mindat.org/min-1329.html. Accessed 10 Apr. 2017; Guinel, Maxime J-F, M. Grant Norton, and David F. Bahr. "A Microscopy Study on the Origin of Asterism in Almandine-Pyropo Garnets." *Microscopy Study of America*, 2005. Web. 11 Apr. 2017; "How Do Asterism Minerals Form?" *Geology IN*. N.p., 01 Jan. 1970. Web. 11 Apr. 2017; Nadin, Elisabeth. "The Secret Lives of Minerals." (n.d.): n. pag. Caltech. Web. 10 Apr. 2017; Rossman, George R. "Quartz and Its Colored Varieties." *Colored Varieties of Quartz*. N.p., n.d. Web. 12 Apr. 2017; Steinbach, Martin P. "Asterism: Gems With A Star." (n.d.): n. pag. www.star-sapphires.com. 2015. Web; Sinkankas, John. *Mineralogy*. New York, Van Nostrand, 1986; "Star Ruby Gemstone Information." *Star Ruby Gemstone Information*, www.gemselect.com/gem-info/star-ruby/star-ruby-info.php. Accessed 15 Apr. 2017; "Star Sapphire Gemstone Information." *Star Sapphire Gemstone Information*, www.gemselect.com/gem-info/star-sapphire/star-sapphire-info.php. Accessed 12 Apr. 2017.



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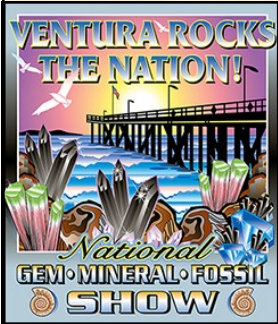
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Monthly Field Trips !

We Support Lapidary Clubs!

Activities, Tips and Information



PLS To Display At National Show

Join us for the nationwide CFMS-AFMS SHOW & CONVENTION hosted by the Ventura Gem and Mineral Society at the Ventura County Fairgrounds - 10 West Harbor Blvd, Ventura, CA.

Several PLS members are to be recognized at the Editor's Breakfast on Sunday, the 11th. 2017CFMS-AFMSshow.com

Activities, Tips and Information

Ancient Bison Bone Discovered in Leimert Park



A bone from a bison that roamed Southern California some 10,000 years ago was unearthed at a Metro construction site in Leimert Park (southern part of Los Angeles), according to the transportation agency. The bone was discovered about 70 feet below street level at the future site of Metro's Crenshaw/LAX Line Martin Luther King Jr. station, the agency said. It was sent to the Page Museum at the La Brea Tar Pits, where experts identified the bone as the proximal right tibia of a bison antiquus - or right rear leg of an ancient bison.

According to Metro, the bone is between 10,000 and 18,000 years old and was found in alluvial soil, which indicates that a river ran through Leimert Park in the Pleistocene epoch. "Ancient bison were common in Southern California during that time," Metro said. "Bison antiquus are considered ancestors to modern bison." Metro said the bone will be donated for research to the Natural History Museum once the construction project is complete. Until then, it will be stored in a lab.

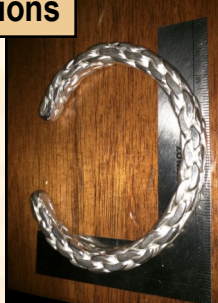
Source: www.nbclosangeles.com/news/local/Bone-of-Ancient-Bison-Unearthed-at-Metro-Construction-Site-in-Leimert-Park-370851161.html. Posted on LA-Rocks 3/2/16, story by William Avila, NBC Los Angeles.

Thanks to Elizabeth Weston for her generous donation of a Kindle for the use of members at the Workshop!

Member Creations



Left: Ben Shutman created this 40mm x 30mm sterling silver pendant using a Crazy Lace Agate cabochon. **Right:** Ben's completed massive sterling bracelet as shown at the April meeting.



Send a photo of your creation by text to 909.996.1784 or by email to pasadenalapidary@aol.com



Above: Bamboo theme bracelet in sterling silver by Bon Paphatsarang. Right: Sterling pendant with Prehnite, rubies and emerald, surrounded by hematite — by Stephanie Tratt.



Bison antiquus

Human

Y2K Jewelers
917 W. Arrow Highway
San Dimas, CA 91773
(909) 592-4200



What is this gemstone? Is it real or imitation? Identification is a free service for lapidary club members! This 3rd generation family manufactures their own jewelry designs, as well as selling estate and antique jewelry. They repair your old or broken jewelry in the store. At Y2K Jewelers they strive to make high quality, beautiful jewelry. Come in today to be blown away by the displays of beautifully unique jewelry! Bring this bulletin for a special Lapidary Society discount!



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FIELD TRIPS

No June Field Trip



April Field Trip Report

By David Lacy



Joe Goetz
Field Trip Chairman

By the time we received the Cancellation notice for the Stoddard Wells trip, Bonnie and I were already there!! We only got the notice when we got back home on Sunday. There were other rockhounds there, as well, and we decided to make the best of it!

A fun time was had by most of us, in that the whole trip was a trip, with collecting done at the purported Site "C" in Gem Trails of So Cal, some at the Soapstone mine (WAYYY Out Yonder!), and other places not mentioned in any guide book but fun to collect at. Every one that stayed around until Sat. PM was sad that things didn't work out as originally planned, but What The Heck – any collecting is good collecting and the stuff we did collect looks as if it has potential. Grinding will tell !

Editor's note: At the time Joe Goetz and Jay Valle planned the field trips for 2017, there were no trips planned for June, July, August, September, October or December. In November there are trips to the Whittier Claim on the 4th and 5th and to Afton Canyon over Thanksgiving Weekend.

This is an opportunity for 'Members Choice' field trips! Where would you like to go on a field trip? Somewhere you have been before and would like to return to? A location you've read or heard about that sounds interesting?

Send your suggestions to <pasadenalapidary@aol.com> and I'll forward them to Joe and Jay!



Congratulations to Alyson Nishimura, Kyle Bright, Chuie Nishimura and Ben Shutman for knowing that it was Adolph Hitler who refused to shake the hand of the U.S. gold medal winning athlete Archie Williams after Archie won a gold medal. Archie's photo appeared on the bulletin's calendar page for May 1st.

Prizes were awarded at the May program meeting!



Editor's Quiz

Adult and Junior Members:

What is the type of asterism, where the distinctive star can be seen only when light shines through the gemstone?

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



Rex & Allyson Nishimura Rockhounds Of The Year

The June, 2017, CFMS Newsletter recognized Rex and Allyson as the PLS Rockhound and Junior Rockhound Of The Year! Read the entire story at: www.cfmsinc.org/newsletter/news2017/006newsJun17.pdf.

Camp Paradise, a complete week of lapidary instruction and workshop, is now accepting applications for the 2017 weeks of Week 1: August 27 - September 2, Week 2: September 3 - September 9

For an application and more information, go to <http://www.cfmsinc.org/forms10/paradise/2017CampParadiseRegistration.pdf>.

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

AFMS - American Federation of Mineralogical Societies



Northwest Federation Convention



The Northwest Federation held its 2017 Convention in conjunction with the annual show of the Bitterroot Gem and Mineral Society. AFMS President Ron Carman, and AFMS Bulletin Editor coordinator, Mark Nelson, attended representing the AFMS.

Annual AFMS Conventions

2017: Ventura, California - June 9 -11
2018: Raleigh, North Carolina - April 6 - 8

For all of the current AFMS news, read the AFMS Newsletter at: <www.amfed.org>

Father's Day is June 18th

The Top Ten Things Dad Will Never Say

1. Well, how 'bout that? I'm lost! Looks like we'll have to stop and. ask for directions.
2. Here's a credit card and the keys to my new car - GO CRAZY.
3. What do you mean you want to play football? Figure skating not good enough for you, son?
4. Your mother and I are going away for the weekend... you might want to consider throwing a party.
5. Well, I don't know what's wrong with your car. Probably one of those thingies - you know - that makes it run or something. Just have it towed to a mechanic and pay whatever he asks.
6. You know, Pumpkin, now that you're thirteen, you will be ready for un-chaperoned car dates. Won't that be fun?
7. Honey, this new pattern in the curtains is fabulous! Where did you get the material from?
8. No son of mine is going to live under this roof without an earring now quit your belly-aching, and let's go to the mall.
9. Why do you wanna go and get a job for? I make plenty of money for you to spend.
10. Father's Day? Don't worry about that, it's no big deal!



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TIPS, HINTS AND SAFETY

A "Sneaky Goldsmith Trick" to Detail-Finish Problem Areas by Douglas W. Canivet, GIA

Every bench jeweler has experienced the frustration of trying to sand and polish a nearly inaccessible area on a piece of jewelry. The goldsmith who can detail these small corners and crevices can bring his or her work up to the level of fine jewelry. Anything that gives the work a cleaner, more attractive look translates into greater sales in the showcase..

One of my favorite "Sneaky Goldsmith Tricks" involves a lowly material not normally associated with making jewelry: fiberglass-reinforced packing tape, found in supermarkets and stationery and office supply stores. It contains many very fine fiberglass filaments that create a super-strong hold for packing parcels.

Bench jewelers use this tape to reinforce sanding and polishing papers. Once the tape is applied, the papers can be cut into small shapes that exactly fit the problem area you are trying to finish. (Cut the shapes you need with an old set of scissors -- the abrasives will dull the blades over time.) These custom-shaped papers are flexible, easy to hold and can reach spots that files, gravers or traditional polishing tools may not.



We use the packing tape in GIA Jewelry Arts classes. We apply a piece of tape, the same length as a jeweler's saw blade, to a strip of abrasive paper and then cut it into several narrow strips that fit the saw frame. This makes it possible for students to precision sand and polish internal edges and surfaces.

LOCAL ROCK AND GEM SHOWS

June

June 2 - 4: LA HABRA – North Orange County Gem & Mineral Society, La Habra Community Center, 101 W. La Habra Blvd. Hours: Fri 5 - 8; Sat & Sun 10 - 5. www.nocgms.com

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

2 - 4: BIG BEAR LAKE – Minerals in the Mountains, at the Big Bear Lake Convention Center; 42900 Big Bear Blvd.; Fri. 9-5, Sat. 9-5, Sun. 9-4; Admission \$7, Seniors/Students/Children free; The first Mineral show at Big Bear Lake in 20 years. Rockhounds and dealers with a wide variety of minerals, jewelry, gemstones and fossils. Demonstrations, hourly door prize, Kid's show with prizes for display and knowledge of minerals. www.gemsofthewest.com

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! - Editor

3 - 4: GLENDORA – Glendora Gems, Goddard Middle School, 859 E. Sierra Madre Avenue. Hours: Sat 10 - 5; Sun 10 - 4.

9-11: Ventura – CFMS/AFMS Show and Convention. 10 West Harbor Blvd, Ventura, CA. 2017CFMS-AFMSshow.com

24: RPV – Field Trip, Barite and Dolomite, Rancho Palos Verdes, on the shore of the Pacific Ocean at 10am. Escape the heat and come with us to the beach! Organized by the Mining Supplies and Rock Shop. Call for reservations and fee (760) 244-9642, <CynMandell@me.com>, www.miningsuppliesandrockshop.com/

25: Los Angeles - Meteorite Lecture from 2.30-3.00 pm. "Eltanin, the largest meteorite of which intact fragments are preserved" by Dr. Frank Kyte. UCLA, Slichter Hall, Room 3853 (near Meteorite Gallery in Geology 3697), 595 Charles Young Drive East.



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, at any Society function!



XL T-Shirts have arrived! Society T-Shirts, hats and vests are available to our members through Marcia Goetz, Membership Chair. Vests = \$10, T-Shirts = \$15, Hats = \$11 and replacement member badges = \$9 (specify either magnet or pin mount). Phone: 626-914-5030 or Email: <joenmar1@verizon.net>

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.

BUY SELL TRADE

Member - To - Member

Australian boulder opals and Ethiopian opal beads for sale. Message Mona Ross at 626-437-0150 ♦ WANTED: tumbling rock for PLS show prizes and auction. Agate, Jasper, Pet-

Wood (pea to softball size or even larger). Also rock from PLS field trips to tumble as display specimens and meeting props. I'd be happy to drive to you and fish rock out of your garden, my back is younger than yours! If you give me nice rock I can tumble some for you to keep. All donations are tax deductible. Ben Shutman <bens.btc@gmail.com> ♦ FREE Taking the mystery out of Reverse Mortgages - free evaluation and consulting. Bruce Lamarche (626) 201-8710 or <blamarche@verizon.net> ♦ Jim Gersbach buys lots of gems, beads, coins and stamps <tenomo@netscape.net> - buy sell and trade! ♦ Favorite Field Trip Guide of the Los Angeles Gem Hunters. Rare edition of forgotten collecting locations from the 1960's - only \$15. Mark Nelson (909) 996-1784 <mnelsonair@aol.com> ♦ Book: The Life and Times of Laurel and Hardy - written by PLS member Nick Taminich. Available on Amazon.com from \$9.

Members are welcome to place a FREE message for items or services wanted, for sale or for trade. Email submissions to: <pasadenalapidary@aol.com> or by fax to (909) 394-1276.

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**JUNE
2017**

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San Dimas, CA 91773-3908

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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.

June 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<p>June is Food Drive Month! Pasadena Lapidary Society is a partner with Friends In Deed -- a Pasadena food pantry. Please be generous in giving a gift of nutritious food to those of us who are struggling to find and keep a job, raise a family and become the best that they and their families can be.</p>			1 Board Meeting 	2	3 Hug Your Cat Day
	5	D-Day 1944 	7	8	9 CFMS / AFMS Show	10 CFMS / AFMS Show in Ventura
11 Workshop CFMS / AFMS Show	Joseph Dickinson invents the Player Piano — 1912 	13	14	15	16 Emancipation 1865 	17
18 Happy Father's Day!	19	20 Program Meeting 	 Summer Solstice	22	23 Final Surrender of the Civil War 1865	24
 Picnic	26	27	 World War 1 Ends 1919	29	30	