SECTION 1 - CLUB INFORMATION (NO POINTS AWARDED)

Club Name & Address  
PASADENA LAPIRADY SOCIETY  
P.O. BOX 5025, PASADENA CA 91117

Organized in 1946 and affiliated with the CALIFORNIA FEDERATION (CFMS)
Number of members:     Adults 131  Honorary/Life 3  Juniors 11  Total 145
[Don’t combine Honorary/Life with total adults.]

Meeting Place: Donald R. Wright Auditorium - Pasadena Central Library, 285 E. Walnut Street, Pasadena, California 91101 on the third Tuesday of each month at 6:45pm.

Person filling out form: Name Mark Nelson
Address: 1475 Paseo Maravilla  City: San Dimas  State: CA  Zip 91773-3908
Phone: (909) 996-1784  E-mail pasadenalapidary@aol.com

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.

SECTION 2 – SERVICE TO MEMBERS OR GUESTS (30+ POINTS)

General Meetings:
  Number of meetings 12  Average attendance 45  Guests 8  Door Prizes: Yes
Programs: *Include a separate list of programs for the year, including topic, speaker, etc. (See list on pages 8 to 10)
Board Meetings: Number of meetings 12  Average attendance 10
Officers: *Include a separate list of officers, directors, and committee chairmen. (See attached list on page 11)
Junior Meetings: Number of meetings  Average attendance
  Adult leader(s):__________________________________________________________

Bonus: Separate junior workshops or events other than meetings? Juniors participate in a special quiz for a prize in each month’s bulletin. There is a set of rock tumblers set aside for the exclusive use of Juniors on a rotating basis. At the December Holiday Meeting there is special recognition given to the juniors. There is also a Junior Rockhound Of The Year award. There is one month each year when the entire workshop program is geared to Juniors.
Special Group Meetings (Established groups): Number attending:

**Beading Group** – 10 people See typical project on page 12

Social Events: Number attending

- Picnic June 25 – 80 people (photos on page 13)
- Holiday Dinner Dec 9th – 89 people (photos on page 14)

Club hosts Show: Yes, the club hosted its annual show on March 11th and 12th 2017. See details on pages 15-21

Show web site page: [http://www.pasadenalapidarysociety.org/Annual_Show.html](http://www.pasadenalapidarysociety.org/Annual_Show.html)

- Dealers: Yes - 12
- Demonstrators: Yes - 25
- Members working at show: # 55
- Members attending: # 90 + guests
- Member Displays: # 25
- Junior Displays: # 5

**Bonus:** Competitive Displays by members ? ? Our members displayed competitively at the American and California Federation Show and the San Gorgonio/Shadow Mountain Show at the Riverside Date Festival.

Special Features:

- Club library: Yes Number of books: 270 — We have a special room at our workshop building dedicated to the Club Library. The Club Librarian is a member of our Board Of Directors.
- Yearbook committee or Website committee: Yes for both
- Lapidary studio/workshop (supported by and available to members): Yes - Photo on page 24
- We conduct our workshop in a former Aerospace building in Sierra Madre. Members pitched in to refurbish the vacant building; new paint, toilets, glass in the windows and cooling. Members continue to maintain the building and it offers a selection of equipment for an average of 40 members use each month.

Field Trips: Yes Trips in field: 12 Museum/Other: 1 Shows: Every month the local shows are listed in the bulletin and the January, August and October field trips are to another club’s show. In November, one field trip was to a local wholesale rock, gem and fossil shop. Other clubs invited? Yes - Our club began a “multi-club field trip group” to get 6 other local clubs involved in building attendance at field trips.

Workshops: (beading, lapidary skills, jewelry, etc): Yes – See list on pages 25 to 26

Club maintains an active Website: Yes URL: [www.pasadenalapidarysociety.org](http://www.pasadenalapidarysociety.org)
Facebook: [https://www.facebook.com/pasadenalapidarysociety](https://www.facebook.com/pasadenalapidarysociety)
Twitter: [https://twitter.com/PasaLapidary](https://twitter.com/PasaLapidary)

Traveling club display (For other club shows, youth groups, schools, etc.): Yes, and frequently used!
SECTION 3 - PUBLICATIONS AND PUBLICITY (15 POINTS)

Bulletin: Yes  Bulletin name Rockhound Ramblings  (See 11 cover pages and one full month bulletin on pages 28 - 46)

Editor’s name  Mark Nelson

Club Website: Show information posted: Yes
Meeting information posted: Yes
Workshop information posted: Yes

Meeting notices posted in public places: Yes – At the Pasadena Central Library. Photo on page 47

Meeting notices published in local media: Yes – on the club’s Facebook and Twitter pages, on the Pasadena Library’s calendar page and on the calendar page of the Pasadena Weekly newspaper.

Show flyers posted in public places: Yes. In the month before the show, flyers are posted at all of the nearby hotels, motels, nurseries, senior centers, libraries, coffee shops and many more!

Show information published in local media: Yes. Information is posted in the local newspapers, Facebook and Twitter (Page 48). See ads in the newspapers listed on pages 49 to 51.

SECTION 4 - SUPPORT FOR REGIONAL FEDERATIONS, AFMS AND OTHER CLUBS — (20+ POINTS)

Members served in Federation as Officers, Committee Chairs or committee members:
Regional federation: Yes – See list on page 53 (*Include a list of members serving.)
AFMS: Yes – See list on page 53 (*Include a list of members serving.)

Members attended a Federation convention or show:
Regional Federation: Yes # = 27 attended the CFMS show in Ventura, CA
AFMS: Yes # = 27 attended the AFMS convention in Ventura, CA

Members supported Federation scholarships or endowment funds:
AFMS: Scholarship fund: Yes  CFMS Endowment fund: Yes
Other support for regional federations? (explain) Speaking at other federation conventions.

Members gave programs for other clubs: Yes – See list on page 53.
Members attended other club shows, swaps, etc: Yes, in CA, AZ, MT, CT, and KS
Members held joint field trips with other clubs: Yes – See report on page 54
Members displayed/demonstrated at other club shows: Yes - Details on page 52.
Club exchanged bulletins with other clubs: Yes – See list on pages 55 & 56

Bonus: Bulletin Editor is a member of Scribe: Yes – as a member and officer of SCRIBE in 2017.
Bonus: Members served as judges for Bulletin Editor’s contest? Yes, two members were judges for the AFMS Bulletin Editor’s contest.
## SECTION 5 - COMMUNITY RELATIONS (15 POINTS) — PAGE 57

- Members gave talks or demonstrations at local schools: Yes – See list on pages 58 - 61
- Members gave talks or demonstrations to local groups: Yes – See list on pages 58 - 61
- Members maintained displays at local public sites: Yes – See list on pages 62
- Members maintained a booth, or an activity, at a local event: Yes – see page 63
- Members donated materials to school, nursing home, etc.: Yes – See details on page 64
- Members active in local affairs: Yes – See details on pages 65 - 67

## SECTION 6 - GOVERNMENT AGENCY AND LEGISLATIVE RELATIONS (10 POINTS) — PAGE 69

- Members served on governmental agency committees: Yes – See details on page 69
- Members commented on governmental agency proposals, etc.: Yes – Page 69
- Members contacted congressional representatives regarding legislation: Yes – Page 69
- Members supported access/collecting lobbying organizations like ALAA: Yes – See details on page 69

## 2017 Year In Retrospect — Page 70
Club Name & Address
PASADENA LAPIIDARY SOCIETY
P.O. BOX 5025, PASADENA, CA 91117-0025

Date organized: 1946

Federation affiliation: CALIFORNIA FEDERATION

Number of members:
Adults 131 Honorary/Life 3 Juniors 11 Total 145

Meeting Place: Donald R. Wright Auditorium
Pasadena Central Library
285 E. Walnut Street
Pasadena, California

Meeting time: Third Tuesday of each month at 6:45pm.

Person filling out form: Mark Nelson
1475 Paseo Maravilla
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Phone: (909) 996-1784 E-mail pasadenalapidary@aol.com

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General Meetings: Number of meetings 12  Average attendance 45  Guests 8  Door Prizes: Yes
Programs: See attached list on pages 8 to 10
Board Meetings: Number of meetings 12  Average attendance 10

Officers: See attached list on page 11

Junior Meetings: None  Bonus: Separate junior workshops or events other than meetings? Juniors participate in a special quiz in each month’s bulletin. There is a special program of the free loan of rock tumblers, rocks and polishing grit just for our Juniors on a rotating basis. Juniors are among the presenters at the Rock Of The Month talk at the monthly meetings. At the December Holiday Meeting there are special recognition given to the juniors. There is also a Junior Rockhound Of The Year award, selected by the nomination and vote of the members. There is one month each year when the workshop program is geared to Juniors.

Special Group Meetings:  Beading – 10 people See typical project on page 12

Social Events:
A.  Fifth Annual Picnic June 25 – 80 people (photos on page 13)
B.  Holiday Dinner Dec 9th – 89 people (photos on page 14)

Club hosts Show: Yes.  In 2017 we hosted our annual “Tournament Of Gems” show on March 11th and 12th. The details are posted on our web site http://www.pasadenalapidarysociety.org/Annual_Show.html and on pages 15 - 21
Dealers: Yes - 12  Demonstrators: Yes - 25  Members working at show: 55
Members attending: 90 + guests  Member Displays: 25  Junior Displays: 5  
Bonus: Competitive?  Our Members displayed competitively at the American and California Federation Show and at the Shadow Mountain Show at the Riverside Date Festival.

Rockhound Of The Year awards are given each year to Adult and Junior members.  Photo on pages 22 - 23

Special Features:
Club library: Yes  Number of books: 270  We have a special room at our workshop building dedicated to the Club Library.  The Librarian is a member of our Board Of Directors.
Yearbook committee or Website committee: Yes to both
Lapidary studio/workshop (supported by and available to members): Yes. Photo on page 24
We conduct our workshop in a former Aerospace building in Sierra Madre. Members pitched in to refurbish the vacant building; new paint, toilets, glass in the windows and cooling. Members continue to maintain the building and it offers a selection of equipment for an average of 40 members to use each month.

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Other clubs invited? Yes - Our club began a “multi-club field trip group” to get 6 other local clubs involved in building attendance at field trips.  Non-members allowed? Yes  List on page 54

Workshop Classes: (beading, lapidary skills, jewelry, etc) : Yes – See list on pages 25 to 26
Club maintains an active Website: Yes  URL: www.pasadenalapidarysociety.org
Traveling club display (For other club shows, youth groups, schools, etc.): Yes
Bonus: Members performed as judges for Bulletin Editor’s contest, Competitive displays or Website competitions? Yes.  Mark Nelson served as the final judge for the AFMS Bulletin Editor’s Contest.  Elizabeth Weston judged the Special Publications category of entries in the AFMS Bulletin Editor’s Contest.
The doors open at the Donald R. Wright Auditorium in the Pasadena Central Library at 6pm every third Tuesday of the month. From 6:45 until 8:30 the Pasadena Lapidary Society enjoys an interesting “Program Meeting”. After the President’s welcome and the flag salute is the Rock Of The Month Talk where both adult and junior members have reserved time to present a favorite rock, mineral, gem or other aspect of our hobby. In addition to this we have an hour-long feature presentation. These are the items from the 2017 meetings.

January

**Rock Of The Month:** Quartzsite, Arizona — Carolyn Duncan and other members gave tips for visiting and camping at this month’s field trip.

**Program: Meteorites** — Walt Lombardo explained how meteorites survive the trip through our atmosphere from the Moon, Mars and elsewhere - and the various types that are to be found!

February

**Rock Of The Month Presentation:** Our Junior Rockhound Of The Year, Alyson Nishimura, explained why the borax mine just over the mountains north of Pasadena is so important to our way of life.

**Program: The Display Case.** Marcia Goetz showed us how to make liners for the club’s display cases (free to members for the show) and the best ways to show off our specimens and creations.

March

**Rock Of The Month:** Our 2015 Junior Rockhound Of The Year, Jennifer Nishimura, shared an interesting insight into Blue Lace Agate - one of her favorite minerals!

**Program: The Mineral World** — Dr. Aaron Celestian, the curator of gems and minerals at the Natural History Museum in Los Angeles gave a talk entitled "Living in a Mineral World", which was about minerals and the environment!

April

**Rock Of The Month:** Our webmaster, Mark Nelson, walked the members through the features of the website - displayed a real-time on the big screen.

**Program:** Ed Imlay presented his “Introduction to Rocks”. This is the talk that he gives so successfully to school and civic groups.
May

**Rock Of The Month:** Mona Ross presented insights into one of her favorite rocks — Beryl!

**Program:** *Septarian Nodules Deposits of Southwest Utah* — Dick and Mary Pat Weber presented this fascinating topic and talked about their lives as retired exploration geologists who have worked and traveled extensively throughout North America, Australia and New Zealand.

June

**Rock Of The Month:** This month Mary Kirmil presented a colorful presentation on an even more colorful rock — *Peacock Ore!* Members in attendance had the opportunity to take home a specimen of this beautiful rock from Mary’s collection!

**Program:** *Bad Geology in the Movies* — Tim Dirks, Author/Editor of AMC Networks' Filmsite.org, presented a very entertaining program about the ways in which many Hollywood films are full of myths and falsehoods about science.

July

**Rock Of The Month:** This month Paolo Sanchez presented his original research called *Radioactive Minerals*, with samples and a Geiger detector!

**Program:** *Suiseki* — Philip Chang introduced us to the ancient tradition of collecting and displaying certain stones that seem to contain worlds within them. He showed rocks that looked like miniatures of mountain ranges, water-falls, and other natural features — set in form-fitting carved wooden trays.

August

**Rock Of The Month:** Paolo Sanchez returned with Part 2 of his presentation called *Radioactive Minerals*.

**Program:** 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. She brought examples of fossils that have been unearthed.

September

**Rock Of The Month:** Cori Solan introduced us to our own State Gemstone! *Benitoite* was not even discovered until 1907 and Cori talked about how special it is!

**Program:** *The Changing Gemstone and Bead Industries — New Finds, Fakes, Created, Dyed & Enhanced* was an excellent illustrated talk by Ken Rogers. We will never look at beads and gemstones the same way again!
October

Rock Of The Month: Veteran member Ed Imlay offered us a unique presentation that he calls "The Rock Store of the Month — one of my favorite places to visit". Ed’s presentations are very popular!

Program: Opal — This month’s birthstone is the OPAL. Our very own David Lacy presented both the well-known and little-known secrets of this iridescent mineral! His enthusiasm and knowledge made for a very interesting program!

November

Rock Of The Month: PLS members serving the CFMS. Tony Fender introduced members who are serving on the CFMS Executive Board and as committee chairs.

Program: Bradford M. Smith shared some of his legendary Bench Tips! Brad, a member of the Culver City club, has been featured on radio and television. His articles are featured monthly in over 200 lapidary newsletters!

December

Program: Holiday Dinner. This celebration was hosted by Cindy and Bruce Lamarche at the Glendora Masonic Hall. It was dedicated to both Society business and to fun! An enthusiastic crowd of members and guests attended the installation dinner. We celebrated our 71 years of service to our members and to the community!

Carolyn Duncan and Mona Ross were recognized as our 2018 Rockhounds Of The Year and Paolo Sanchez as our 2018 Junior Rockhound Of The Year! Members applauded their contributions to the Society and gathered to share this honor with them!

We had a lively “blind gift exchange” in which members brought a wrapped gift with a value of at least $20 and exchanged it for a raffle ticket which was drawn to allow members to select a gift from those brought.

Over 300 pounds of food and cash were contributed this night by our members to support the Friends In Deed food bank and women’s shelter.
# Pasadena Lapidary Society

## Officers, Directors and Committee Chairs 2017

### Officers and Directors

- **President** - Ellen Ferrell
- **Vice President** - Mona Ross
- **Secretary** - Mark Nelson
- **Treasurer** - Linda Nelson
- **Federation Director** - Joe Goetz
- **1st Trustee** - Marcia Goetz
- **2nd Trustee** - Chris Kyte
- **3rd Trustee** - Joe Goetz

### Committee Chairs

<table>
<thead>
<tr>
<th>Category</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Show</td>
<td>Marcia Goetz*</td>
</tr>
<tr>
<td>Case Layout</td>
<td>Jennifer Jang</td>
</tr>
<tr>
<td>Club Case</td>
<td>Rex Nishimura</td>
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<tr>
<td>Dealers</td>
<td>Marcia Goetz</td>
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<tr>
<td>Demonstrations</td>
<td>Ed Imlay</td>
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<td>Food</td>
<td>Victor Castellano</td>
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<td>Publicity</td>
<td>Elizabeth Weston</td>
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<td>Sand Scoop</td>
<td>Philip Lahr</td>
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<tr>
<td>Set-Up/Take Down</td>
<td>Mark Nelson</td>
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<tr>
<td>Silent Auction</td>
<td>Armando Pedroza</td>
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<td>Treasure Wheel</td>
<td>Mona Ross</td>
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<td>Volunteers</td>
<td>Venue leaders</td>
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<td>Blog Site</td>
<td>Philip Lahr</td>
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<tr>
<td>Bulletin</td>
<td>Mark Nelson*</td>
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<td>Calendar</td>
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<td>Joe Goetz*</td>
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<td>Elizabeth Weston*</td>
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<td>Hospitality</td>
<td>Cindy Lamarche</td>
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<td>Jennifer Jang*</td>
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<td>Meeting Display</td>
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<td>Membership</td>
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<td>Sunshine</td>
<td>Cindy Lamarche</td>
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<td>Ways and Means</td>
<td>Carolyn Duncan*</td>
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<tr>
<td>Webmaster</td>
<td>Mark Nelson</td>
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<tr>
<td>Workshop Foreman</td>
<td>Carolyn Duncan*</td>
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<tr>
<td>Workshop Supervisors:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rex Nishimura • Joe Goetz • Chris Kyte • Philip Lahr • Ben Shutman</td>
</tr>
</tbody>
</table>

Note: * indicates committee chairs who are also directors because they chair this society committee.
Malachite Choker

Materials:
- Beads, Green Malachite, Round 8mm (24)
- 22K Gold Plated Chain Necklace Extender 3” (1)
- 22K Gold Plated Closed Jump Rings 5mm 19 Gauge (2)
- Lobster Clasp, 15x7.5mm, 20 Pieces, Gold Plated (1)
- 22K Gold Plated Open Jump Rings 5mm 20 Gauge (2)
- Beading Wire Gold Color 19 Strand .018 Inch / 20 inches
- Spacer Bead, Hammered Tube 5.5x10.8mm., Bright Gold Plated (6)
- Spacer Bead, Hammered Oval 7.5x20.5mm, Bright Gold Plated (5)
- Crimp Tubes 2mm, Gold Plated (2)
- Bright Gold Tone Crimp Bead Covers 4mm (2)
- 22K Gold Plated Pewter Hexagon Spacer Beads 3.8mm (12)
- 22K Gold Plated Pewter Hammered Cone Bead Caps 8mm (2)

Recommended Tools:
Pliers – Flush Cutter, Chain Nose, Flat Nose, Round Nose and some type of bead stopper.

Instructions:
This necklace measures approximately 16.5 inches. To modify the length, simply adjust the number of beads strung on both sides respectively. Please note, for a longer necklace you may want to purchase additional gemstone beads.

1. Cut off 20 inches of beading wire. Add a bead stopper about 3 inches from one end of the wire.
2. String on the beads in the following order: 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone, 1 hexagon spacer, 1 gemstone.
3. String on 1 cone bead (large side first). String on one 2.5mm crimp tube. String one closed jump ring. Thread the beading wire back through the crimp tube and pull snug. Crimp the crimp tube. Thread the wire back through the bead cone and a few adjacent beads. Trim any excess wire. Add a crimp cover.
4. Move to the beginning side of the necklace and remove the bead stopper. Repeat the above step on this side of the necklace.
5. Open one jump ring and attach it to one closed jump ring and to one lobster clasp. Close the jump ring.
6. Move to the other side of the necklace and attach one open jump ring to the closed jump ring and to one necklace extender and you're all done!
The Pasadena Lapidary Society remembers that, as we plan for a summer of fun with the children in our life - other families are wondering where they will get food for themselves and for their children. We give generously to the Friends In Deed Food Bank at our annual picnic!
Pasadena Lapidary Society
71st Holiday Dinner Celebration
Glendora Masonic Hall — Glendora, CA
December 9, 2017

Hospitality Committee Chair Cindy Lamarche made all of the table settings and decorations. The day started with 4 hours of craft instruction, such as that of Linda Nelson, Ferdie and Paolo Sanchez (above).

Tony Fender (left) administered the oath of office to the 2018 officers: David Lacy, Joe Goetz, Mona Ross, Ellen Ferrell and Linda Nelson.

Tony used a 3D printer to make keepsakes for the 2018 officers. Linda Nelson is shown at the right, holding one for a treasurer.

Mona Ross (shown at right with Ed Imlay) gave thank-you gifts to those who gave a presentation to the society at the monthly program meetings.

Mark and Linda Nelson provided gifts for a drawing of those who brought a contribution for the food drive. Ralph Fregoso (right) is pleased that his name was drawn!

The “blind gift exchange” provided a lot of humor as names were drawn to select a wrapped gift from the gift table. Bruce Lamarche (right) is trying to determine what kind of rock could be in a box of this size!
Planning

The Society began serious planning for the show in October. Regular meetings were held in classrooms, Santa Anita Park and at local restaurants.

The show location had been secured following our 2016 show. The layout of dealers and events for the 2017 Show was determined. Committee tasks were determined, the number of volunteers estimated and committee leaders were identified.
Pasadena Lapidary Society
Annual Tournament Of Gems Show
“Rocks To Riches”
March 11th and 12th, 2017

Advertising The Show

Left: Ad in Rick & Gem Magazine

Below: Show listing in the CFMS Show index.

Twitter ads showing our show flyer

The show received good coverage in Pasadena Now, a Weekly On-line newspaper

Ad on TV Channel 7 Website

Information about the show was posted on the Society’s web site, Facebook and Twitter accounts!
Dealers

One of the major attractions to our gem and mineral show are our dealers. For this show we had nine fine dealers:

Abalone King
Backus Gems & Minerals
Delong Gems & Minerals
Garsow Beads and Gems
Ariana’s Gems
Majesta M’s A-Z
Morrocan Minerals
Mossesson Ethiopian Opals
Diana Marsh
Preparation

Each of the club’s display case lighting was converted from 240 watts of incandescent bulbs to 26 watts of bright, jewelry-quality LED lighting.
Display Cases

Above: The February Program Meeting is an opportunity for members to get close-up instruction of how to prepare liners for a display case, as well as tips for how to properly label and display the contents.

Above: The result are great-looking cases, such as the case on the left that shows the public the Society’s awards and Ed Imlay’s “Rocks-To-Cabochons” on the right.
Educatin The Public Through Demonstrations

<table>
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<tr>
<th>PLS SHOW DEMONSTRATIONS SCHEDULE – 2017</th>
<th>1</th>
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<tr>
<td><strong>SATURDAY</strong></td>
<td></td>
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<tr>
<td>10:00 – 12:00</td>
<td>MARCUS LOOK</td>
<td>CORINNE IMLAY</td>
<td>MARTHA WILSON</td>
<td>JACQUELINE COOPER</td>
<td>ED IMLAY</td>
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<td></td>
<td>CABBING</td>
<td>WIRE WEAVING</td>
<td>ALPHABET in WIRE</td>
<td>BEAD EMBROIDERY</td>
<td>WIRE / BEADS</td>
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<td>12:00 – 2:00</td>
<td>JOE GOETZ</td>
<td>MARCIA GOETZ</td>
<td>MARTHA WILSON</td>
<td>JOAN HARRISON</td>
<td>ED IMLAY</td>
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<td>CABBING</td>
<td>WIRE WRAPPING</td>
<td>ALPHABET in WIRE</td>
<td>PIERCING/SAWING</td>
<td>WIRE / BEADS</td>
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<td>2:00 – 4:00</td>
<td>PAOLO SANCHEZ</td>
<td>CORINNE IMLAY</td>
<td>MARTHA WILSON</td>
<td>JOAN HARRISON</td>
<td>FERDIE SANCHEZ</td>
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<td>ALPHABET in WIRE</td>
<td>PIERCING/SAWING</td>
<td>GEM TREES</td>
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<tr>
<td>4:00 – 6:00</td>
<td>SYLVIA CLIFFE</td>
<td>CORINNE IMLAY</td>
<td>MARTHA WILSON</td>
<td>JACQUELINE COOPER</td>
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<td>CABBING</td>
<td>WIRE WEAVING</td>
<td>ALPHABET in WIRE</td>
<td>BEAD EMBROIDERY</td>
<td>WIRE / BEADS</td>
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<td><strong>SUNDAY</strong></td>
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<td>10:00 – 12:00</td>
<td>JARED NISHIMURA</td>
<td>CORINNE IMLAY</td>
<td>MARTHA WILSON</td>
<td>JOAN HARRISON</td>
<td>ED IMLAY</td>
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<td>CABBING</td>
<td>WIRE WEAVING</td>
<td>ALPHABET in WIRE</td>
<td>PIERCING/SAWING</td>
<td>WIRE / BEADS</td>
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<td>12:00 – 2:00</td>
<td>JOE GOETZ</td>
<td>MARCIA GOETZ</td>
<td>SYLVIA CLIFFE</td>
<td>JOAN HARRISON</td>
<td>JENNIFER NISHIMURA</td>
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<td>CABBING</td>
<td>WIRE WRAPPING</td>
<td>CARVING</td>
<td>PIERCING/SAWING</td>
<td>TBD</td>
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<td>2:00 – 4:00</td>
<td>ALYSON NISHIMURA</td>
<td>CORINNE IMLAY</td>
<td>MARTHA WILSON</td>
<td>JOAN HARRISON</td>
<td>ED IMLAY</td>
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<td>CABBING</td>
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<td>ALPHABET in WIRE</td>
<td>PIERCING/SAWING</td>
<td>WIRE / BEADS</td>
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Top: Schedule of the demonstrations at the show.
Above left: Ed Imlay coordinated the demonstrations and demonstrators.
Right: Mary Kirmil demonstrates how to polish a rose quartz heart.
Let The Show Begin!

- Kids Games: Jennifer Nishimura and Nadine Ishizu
- Silent Auction: Armando and Rose Pedroza
- The Kitchen: Carolyn Duncan at the raffle display
- Ed Imlay demonstrates for the next generation of lapidary club members
- Joan Harrison demonstrates for a young visitor
- Gloria Biesterfeld at the raffle drum
- Alyson Nishimura explains the Sand Scoop game to visitors and also demonstrates lapidary techniques (below).

Everyone pitches in to make the 2017 Show one of our very best!
Mona Ross, Pasadena Lapidary Society's 2018 Rockhound Of The Year, began appreciating rocks as a youth in Louisiana. As personal therapy from her career as a family therapist she turned to using minerals in bead-work, a hobby she started at age 20. As the PLS Vice President and program coordinator, Mona has brought interesting speakers to the society and has written articles for our bulletin. Mona continues to make beaded jewelry for herself and friends, collects boulder opal, and refers to herself as a "Brecciated Freckle".

The Pasadena Lapidary Society is honored to have the remarkable Carolyn Duncan among our members. Having developed a love of rocks in her early years she was frustrated by what she considered "those lying rock maps" and an inability to identify collectible specimens. After joining the Pasadena Lapidary Society she learned that, while on her own, she had been right in the area of great specimens and now, with the help of club members, she could identify them! She had contracted "Rock Fever"! She acquired her first tumbler in 1974 and a trim saw soon after. She enrolled in classes such as cabochon making, rock polishing and glass fusion to enhance her appreciation of the hobby. Eventually, Carolyn became a member of the Metal Arts Society where she learned to merge lapidary and silversmithing, wire wrapping, form folding, tube setting and silver fusing. She brings her expertise back to the Pasadena Lapidary Society by teaching others.
Pasadena Lapidary Society Selects The 2018 Junior Rockhound Of The Year

“We cannot always build the future for our youth, but we can build our youth for the future” Franklin D. Roosevelt once said. The Pasadena Lapidary Society believes that this is true for the future of rockhound societies.

One of our Junior Members, Paolo Sanchez, mirrors that hope for our future. Paolo became attracted to our club as a place where he could collect rough specimens in the field and bring them to a workshop where he transforms them into specimens of beauty. Now he instructs other Juniors in the proper use of lapidary machines and techniques! His enthusiasm soon convinced his entire family to become members and to join him in participating. Paolo has authored several articles for our club’s bulletin and for Rock And Gem Magazine.

The Pasadena Lapidary Society is proud to name Paolo Sanchez as our 2018 Junior Rockhound Of The Year!
Pasadena Lapidary Society
2017 Workshop

Carolyn Duncan
Valerie Stathatos

Joe Goetz raises Old Glory in front of the Workshop.

Safety in the Saw area is a very important part of the Workshop!

Right: Marcia Goetz, Sylvia Cliffe, Tony & Sandi Fender
Pasadena Lapidary Society
2017 Workshop Classes

January: Basic Wire-Working Skills. The January workshop featured a local jewelry instructor, Helen Crisp. Helen showed how to make a basic "rosette" and to use it as a basis for making a wire cat from 18ga copper wire.

February: Gem Trees. There was a demonstration on how to make jewel trees using drilled rock chips and copper wire. Marcia Goetz taught case lining by having students re-cover the old liners for the club’s show display cases. Those who brought liners and fabric received help on making theirs! The liner patterns, dimensions and photos were listed on the Annual Show page of the web site.

March: Safety Instruction, Show Prizes & Liners. There was a final meeting of the Show Committee at the Workshop. The workshop program this month was a focus on assembling prizes for the children's games. These are small lapidary-related items that can be bagged as prizes for the Treasure Wheel and Gem Scoop. Anyone needing help setting up their show case liners brought their cardboard and fabric material. Detailed dimensions were listed on the web site at the box reading “Display case liner dimensions and instructions”.

April: Working With Jasper Lavic Cabochons. The April workshop class was taught by Ed Imlay. We brought Jasper that we collected at the field trip at Lavic Siding. The Jasper was plentiful and in a variety of colors. We brought the stones and Ed showed us how to work them into cabochons.

May: Chainmaille Bracelet. Philip Lahr instructed on how to make a captured-bead chain bracelet. This was a relatively easy jump ring project that uses some amazing geometry to hold a bead without any physical attachment!

June: Junior Members Month & Shop Foreman Training. This month, from 9am until noon, we held a special class to explain to our junior and new members how to select a stone or slab to make a cabochon and how to trim and polish it. For the full day some of our Kingsley North polishing machines were reserved for junior and new members.

July: Metal Etching. Jacqueline Cooper taught this class on metal etching. Those participating in the program were directed to bring: a Pyrex glass dish (square or rectangle); 1 quart of 3% hydrogen peroxide; paper towels; baking soda, rubber gloves, duct tape and a small can of acetone. We also brought a strip of metal to use to make into a pendant or bracelet - brass, copper or nickel were recommended. Jacqueline brought the muriatic acid and cleanser.
August: Beading Group Project — Cabochon Pendant! The workshop this month featured a beading project taught by Corinne Imlay on how to trap a Cabochon using seed beads. This was a good alternative for those who do not have soldering available.

September: Bead and Cabochon Sale / Safety Instruction. There was on-going shop safety classes in conjunction with a bead and cabochon sale at this Work shop! The beads were in strands and had been discounted. There were also club T-shirts for sale ranging from small to 6X. New slabs were put in the bins for members to use at the workshop. Those members who did not finish their August beading project continued working on it this month.

October: Beading Group Project — Trap a Cabochon Using Seed Beads. Corinne Imlay taught another project with the theme of how to trap a cabochon using seed beads. Those who did not come to the previous class were advised to read the August bulletin (also available on the web site) for the details of tools and materials required.

November: Back To Basics! The November workshop focused on the cutting and polishing of our stones. Help was provided, including the drilling of stones for those who haven't already learned the technique.

Beading Group: Linda Nelson lead the group in a beautiful beaded malachite choker necklace project.

December: Marbles! The December workshop introduced making awesome stone marbles! We brought our own super glue / crazy glue and a 1/2” slab or used one of our shop slabs.

Carolyn Duncan, Workshop Chair
Bulletin: Yes, published the first of every month.

Bulletin name: Rockhound Ramblings (The cover pages of our 2017 bulletins start on page 28. The full December bulletin starts on page 39). In order to improve the quality of our bulletin we regularly submit our bulletin for competitive judging. In 2014 it was judged to be the best of its size in North America by the American Federation of Mineralogical Societies (AFMS).

Editor’s name: Mark Nelson

Club Website: www.pasadenalapidarysociety.org

Show information posted: Yes.
In 2017 we had show information on four web sites:
- www.pasadenalapidarysociety.org
- www.facebook.com/pasadenalapidarysociety
- https://twitter.com/PasaLapidary
- https://beta.groups.yahoo.com/neo/groups/PLS_RockHounds/info

Meeting information posted: Yes  Workshop information posted: Yes

Meeting notices posted in public places: Yes – In the front lobby of the Pasadena Central Library. See photo of meeting notice on page 47.

Meeting notices published in local media: Yes – on the club’s Facebook and Twitter (page 48) and on the Pasadena Library’s web site calendar page.

https://www.facebook.com/pasadenalapidarysociety

https://twitter.com/PasaLapidary

http://www.pasadenalapidarysociety.org/Calendar.html

Show fliers posted in public places: Yes. In the month before the show, fliers are posted at all of the nearby hotels, motels, nurseries, senior centers, libraries, coffee shops, Metrolink stops and many more!

Show information published in local media: Yes – See pages 49 - 51
The Colors Of Granite
by Mark Nelson, Pasadena Lapidary Society

Granite colors range the spectrum from red to green to gold to white to black to pink - even Blue! Bahia granite from central Brazil, used as the background for this page! Granite is one of the most commonly known types of rocks, used in everything from buildings to sculptures. It has been used for thousands of years and is regarded as a symbol of status, strength, and durability. How did granite form, and why is it found in so many colors?

Photos courtesy of 5tonecontact.com/
Azurite, A Beautiful Mineral!

Azurite is a soft, deep blue copper mineral produced by weathering of copper ore deposits. It is also known as Chessyrite after the type found locally at Chessy-les-Mines near Lyon, France. The mineral, a carbonate, has been known since ancient times, and was mentioned in Pliny the Elder’s Natural History under the Greek name kuanos (κυανός; “deep blue,” root of English cyan) and the Latin name caeruleum. The blue of azurite is exceptionally deep and clear, and for that reason the mineral has tended to be associated since antiquity with the deep blue color of low-humidity desert and winter skies. The modern English name of the mineral reflects this association, since both azurite and azure are derived via Arabic from the Persian lâzaward — an area known for its deposits of another deep blue stone, lapis lazuli (“stone of azure”).

Photos courtesy of thephoenixandthesmilkyway.com, trinityminerals.com and geologyin.com
Mozarkite

Mozarkite is a form of chert (flint). The name is a portmanteau, formed from Mo (Missouri), zark (Ozarks), and ite (meaning rock).

Mozarkite consists essentially of silica (quartz - SiO2) with varying amounts of chaledony. It has won distinction as a particular form or variety of chert because of its unique variation of colors and its ability to take a high polish. It has the hardness of 7-7.5 on the Mohs scale, which qualifies it as a suitable material for semi-precious gemstone, and has a density of about 2.68 g/cm³. Typically, the colors are different hues of red, pink, and purple with varying tints of green, gray and brown. It is collected and admired by lapidaries across the country.

Interest in collecting Mozarkite in Missouri started in the early 1950s, in Benton County, Missouri. It is found primarily in west-central Missouri, south of the Missouri River, and west of the Lake of the Ozarks. Mozarkite occurs in the Cotter Dolomite of Ordovician age, which means it is some 450 million years old. It is found in residual boulders in the soil on hill slopes, along ditches, and in road cuts where the boulders are exposed in the soil formed by weathering of the Cotter Dolomite.

Reference: Wikipedia. Photo of Mozarkite from the collection of Mark & Linda Nelson

Mozarkite was designated the official state rock of Missouri by the 74th Missouri General Assembly in 1967.
Aquamarine

Some of you celebrated Aquamarine as your birthstone last month — but don’t expect to find one like that shown above! The Dom Pedro — the world’s largest faceted aquamarine gem at 10,363 carats — is now on exhibit at the National Museum of Natural History. The “baby,” as the Dom Pedro is referred to by the group that made it all happen, has had a long journey, but it is now “home” at the Smithsonian where they all hoped it would be. Read more about this amazing stone and its journey to the Smithsonian at: http://mineralsciences.si.edu/collections/dom-pedro/

At right: The largest piece of the original crystal mined in Pedra Azul, Minas Gerais, Brazil was approximately two feet in length and weighed almost 60 pounds. Photo courtesy of Bernd Munsteiner.
Basalt Set To Change American Construction

We, in the western states, walk past basalt on almost all of our field trips. Basalt is one of most common minerals found on Earth. It is a very common extrusive volcanic rock formed from the rapid cooling of basaltic lava exposed at or very near the surface of an eruption. When basalt lava flows continually, as in a series shown in this photo, it is called Flood Basalt.

As a new application for construction, basalt-fiber composite reinforcing bar (rebar) could potentially replace steel bar in reinforced concrete, providing higher strength and durability in areas where corrosion is a problem. Tests of the mechanical characteristics of basalt fiber-reinforced concrete specimens have been provided. Even concrete reinforced with coarse basalt fiber appears to have a higher level of strength than conventional and glass-fiber reinforced concrete.

Photo of lava basalt pahoehoe from Basalt Today Magazine March 19, 2017

Story on Page 4
* 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!
First Place Gold
2017 All American Club
Pasadena Lapidary Society

* PLS PRIDE *

Field Trips to interesting places – a fully-equipped wet Workshop – not only one annual Show, but shows that involve our members with other sectors of the community – visiting other club shows – a Beading SubGroup – a Library – being involved in government affairs – being involved with committees of CFMS and AFMS – displays and speaking at other club shows – educational events at schools – speaking to community groups – competitive exhibits – writing for the Bulletin – an Annual Picnic – a Rockhound and Junior Rockhound Of The Year program – a top Web Site – an award-winning monthly Bulletin – a Member Handbook – an annual picnic – member badges, shirts and vests worn with pride! These are some of the things that are looked at by the AFMS committee tasked with certifying a club as a Bronze, Silver or Gold level All American Club. But what’s the Very Best asset that our club has? GREAT MEMBERS !! Because of YOU we have been named as the BEST lapidary society in North America!

Photo: 2017 AFMS #1 Gold All American Award

See the story on Page 4

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When Giants Walked Earth
The Moenkopi Dinosaur Tracks

If you are driving on U.S. Highway 89 north of Flagstaff, take the exit on U.S. 160 into the Navajo Nation toward Tuba City. In about 4 miles you will see the colors banding the Hamblin Ridge and a small sign reading: Dinosaur Tracks. Today the area is barren, although colorful, high desert land – but once it was lush, wet marsh land where huge creatures lived and died!

The Moenkopi Dinosaur Track Site is one of the more famous of several well-known dinosaur track ways along the bench below Hamblin Ridge. First discovered around the beginning of the 20th century, it has lived on to this day as a window into the past.

Photo by Bruce Lamarche

See the story on Page 4
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
The Grand Prismatic Spring in Yellowstone National Park is the largest hot spring in the United States, and the third largest in the world, after Frying Pan Lake in New Zealand and Boiling Lake in Dominica. It is located in Wyoming’s Midway Geyser Basin.

Grand Prismatic Spring was noted by geologists working in the Hayden Geological Survey of 1871, and named by them for its striking coloration. Its colors match the rainbow dispersion of white light by an optical prism: red, orange, yellow, green, and blue.

The vivid colors in the spring are the result of microbial mats around the edges of the mineral-rich water. The mats produce colors ranging from green to red; the amount of color in the microbial mats depends on the ratio of chlorophyll to carotenoids and on the temperature gradient in the run-off. In the summer, the mats tend to be orange and red, whereas in the winter the mats are usually dark green. The center of the pool is sterile due to extreme heat.

The deep blue color of the water in the center of the pool results from the scattering of blue light by particles suspended in the water. This effect is particularly visible in the center of the spring due to the lack of archaea that live in the center and to the depth of the water.

The spring is approximately 370 feet in diameter and is 160 feet deep. The spring discharges an estimated 560 US gallons of 160 °F water per minute.

Photo by Bruce Lamarche
The Franciscan Complex

No, this is not a psychiatric condition afflicting those in a remote mountaintop monastery.

Nor is it a description of the series of California Missions.

In this month’s edition of Rockhound Ramblings our own Paolo Sanchez explains all about this most unique geologic phenomenon.

Read the story on page 4......

Photo Courtesy of the Wikipedia Commons
Devil’s Tower – Another Look At Basalt

In the May, 2017, issue of Rockhound Ramblings we learn that basalt is being used to revolutionize the construction industry. Here is another look at this interesting mineral!

The Devil’s Tower formation, in Wyoming, is a phonolite porphyry. Phonolite refers to the mineral composition of the rock. The word porphyry refers to its texture or crystal size and arrangement. The molten volcanic material (magma) that formed the Tower was pushed through the earth’s crust about 40.5 million years ago. It is a light to dark-gray or greenish-gray igneous basaltic rock with conspicuous crystals of white feldspar. As the magma cooled, hexagonal (and sometimes 4-, 5-, and 7-sided) columns formed. As the rock continued to cool, the vertical columns shrank in cross-section (horizontally) and cracks began to occur at 120 degree angles, generally forming compact 6-sided columns.
Context: The newsletter of the Pasadena Lapidary Society written by President Ellen Ferrell for the month of December 2017, discussing upcoming events, membership information, and general society news.

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**President's Message**

Dear Members,

November was an amazing month. So many things happened to better our club and for that we are thankful. I appreciate all the hard work of our members and I am very happy for the enthusiasm of our new members. These new members are the future of our club.

Thank you to the workshop committee led by Carolyn Duncan for the work you have done this past year. Carolyn, Ed Imay, Valerie Stathatos, Mona Ross, Gloria Biesterfeld, Phil Lahr, Rex Nishimura, Ben Shuman and so many others worked hard to make it an enjoyable and educational experience. A special thank you to Valerie for making our workshop possible by her generosity in allowing us to share her space.

Thank you to the nominating committee led by Marcia Goetz for working so hard to hold a fair and impartial election of new officers for 2018-2019. Thanks to Susan Carter, Chris Kyle, Joe Goetz, and Ben Shuman for serving on this important committee.

Thank you to our Vice President, Mona Ross, for working so hard to have so many great speakers for our general membership meetings. You did a great job and we all look forward to many more great programs in 2018.

Thank you to all those who served and gave of so much of their time to make our club so great = Treasurer Linda Nelson — Field Trips Joe Goetz — Trustees Joe Goetz, Chris Kyle and Marcia Goetz — Secretary, Bulletin and Webmaster Mark Nelson — Education Joan Harrison — Display Paolo Sanchez — Membership and Show Chair Marcia Goetz — Ways & Means and Workshop Carolyn Duncan — Librarian Jennifer Jang — Hospitality Cindy Lamarche — Historian and Publicity Elizabeth Weston. You made our club more successful because of your contribution.

Congratulations to Ed Imay for being selected the Scholarship Honoree for 2018 by the California Federation of Mineralogical Societies Scholarship Committee. You are so deserving of this honor.

Thank you to everyone for supporting me so wholeheartedly these past two years and I look forward to serving you in the future.

I hope your holidays are filled with joy and happiness.

Ellen Ferrell
President

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**Meeting and General Society Information**

**November Board Meeting by Mark Nelson, Secretary**

- The November board meeting dealt with routine business, approving one new member. Due to proposed amendments to the minutes of the August and October meetings approval was deferred to the December meeting, as were the review of the proposed Operating Regulations.

**November Program Meeting**

- The election results were Ellen Ferrell, Pres; Mona Ross, VP; Linda Nelson, CPA, Treas; David Lacy, Sec. (replacing Mark Nelson) and Joe Goetz, Fed Dir.

- Brad Smith, the author of Bench Tips For Jewelry Making, Broom Casting for Creative Jewelry - and more - shared some of his legendary Bench Tips.

**December Holiday Meeting**

December 9th from 12 noon to 9pm. This year we will once again offer skilled craft instruction from noon to 4 at our annual Holiday Meeting and Pot Luck Dinner! Bruce and Cindy Lamarche were able to obtain the large multipurpose room at the Glendora Masonic Lodge for the event! 135 North Valley Center Avenue, Glendora.

**Membership Information and Meeting Locations**

- 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 91107-0025.

- Websites: 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 at 6pm. 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.

**Workshops**

- 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, Sienna 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!

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**Safety**

- Liability waivers, eye protection, closed-toe, flat-shoe shoes and machinery safety practices are mandatory for all participants. Workshops are for adult members and junior members 8 and older with adult supervision.

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**Find us on Facebook**

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

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**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.
EDUCATIONAL OUTREACH
Joan Harrison
Chair, Education Committee

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.

ROCK OF THE MONTH PRESENTATION
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.

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 member - Mark Balthazor, of Pasadena!

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!

2018 Zzyzx Application — Now On The Web Site!
The CFMS has classes once a year at the former health spa at Zzyzx, near Baker, CA. The 2018 dates are March 25 – 31. This is a chance to have personal instruction in these areas: Lapidary, Beading, Wire Art, Field Trips, Silver Fabrication, Advanced Wire Art, Precious Metal Clay (PMC), Soft Stone Carving, Faceting and Alternative Casting. This is a very popular program, as it gives a person as much time as he or she needs to acquire skills that may be hard to learn elsewhere, and will fill up quickly. Class costs and lodging details are included on the Registration Forms which are posted on the PL5 web site's member Tools page. If you want to go, fill out the form and take it to the post office today!

This month’s Holiday Meeting and Party is the final night of our Winter Food Drive for the Friends In Need 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 bringing your donations of food to the event! We’ll be there from 10am to 9pm. All who donate will receive a ticket for a nice prize to be given away at the meeting. See the website calendar for suggested items.

WORKSHOP
This Month’s Program — Marbles!
The December workshop will introduce making awesome stone marbles! Bring your own super glue / crazy glue and a 1/2" slab or you can use one of our slabs.

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. Do not use the ramp in the parking lot.

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 909-599-2761 or at <gem_queen@verizon.net>.

......... Carolyn Duncan, Workshop Chair

Program Meeting Refreshments:
Program Meeting Refreshments — Thanks to Joan Harrison and Karl Stull for bringing refreshments to the November meeting! To volunteer to bring light refreshments at one of our meetings - contact me by phone or text at (626) 833-8710 or by email at <grammiecyn@verizon.net>

......... Cindy Lamarche

Sunshine:
As we near our year end it is with sadness that we remember our two members who left us this year:
Sheryl Allten and Kay Holgate Let's appreciate their memories by working together to keep our Society strong and responsive to its members and to the next generation of rock, mineral and lapidary enthusiasts!

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.
The CAIs of Meteorites
By Paolo Sanchez (Age 17) — Pasadena Lapidary Society

In the subject (study) of meteoritics, inclusions within meteorite specimens provide vital clues to the evolution of our solar system. One particular type of inclusion, the Calcium-Aluminum-rich Inclusion (CAI) helps planetary geologists and astronomers learn more about what happened during the early formation of the solar system!

![Chondrule](image1)


These small inclusions are among the oldest substances in our solar system and are found only in chondrites, stony meteorites that consist of small granules known as chondrules. Their sizes range from about the size of a paperclip to smaller than the width of a single hair. They are rather easy to recognize with the naked eye, for their paste-white color distinguishes them from a prominently blackish-brown groundmass matrix.

What is interesting is that most scientists agree that these rocks with CAI’s were, at one time, much closer to our early sun than most other rocky masses. This conclusion is based on the fact that these CAI inclusions contain the rare isotopes oxygen-16 and oxygen-17, which are most commonly present near the sun.

If this is the case, then why do these meteorites from the distant asteroid belt contain the inclusions that were once so close to the sun? A widely-accepted theory suggests that about 4.6 billion years ago, during the early days of the solar system, a phenomenon known as the protostellar wind picked up small molten masses of these calcium-aluminum inclusions and brought them closer to the sun via the sun’s strong magnetic fields. As the masses traveled in these magnetic “convection currents”, they were shot up from the northern and southern magnetic poles of the sun as hot sprays of molten metal. Due to the magnetic currents of the sun and the gravity of the early protoplanetary disk of the solar system, the molten material rained down over the farther reaches of the early solar system, eventually coalescing into larger masses of rock and metal, taking part in the formation of asteroids and planets.

Most meteorites containing CAIs are part of museum and university collections, for the presence of CAI particles in meteorites are very rare. Only about 0.1% (by volume) of all early solar system meteorites contain CAIs!

![CAl Inclusion](image2)

A close-up of an Allende meteorite fragment shows the white calcium-aluminum-rich inclusions and the darker chondrules. Photo from the National Meteorite Collection/Smithsonian Institution

The famous Allende meteorite, which fell over the Mexican state of Chihuahua in 1969, contains the basic elements to create life — particularly carbon — and also incorporates a sizable amount of CAIs in its composition. Fewer other meteorites also contain some visible amount of CAIs, yet the rarity of these meteorites can make it difficult for scientists to obtain a specimen for study!

![Protoplanetary Disk](image3)


Works Cited:

Mining Supplies and Rock Shop
9565 "C" Street, Suite K, Hesperia, CA
(760) 244-9642 www.miningsuppliesandrockshop.com

We buy and sell gold and silver and carry a nice supply of rocks and minerals, jewelry, findings, tumbled glass and rocks, rock slabs and cabs, silver wire and sheet, beads, and more.

We carry a good selection of gold panning equipment, dry washers, gold pans, metal detectors, tumbler, rock saws, polishing equipment, lost wax casting, soldering silver and gold jewelry.

Monthly Field Trips! We Support Lapidary Clubs!
Activities, Tips and Information

Ed Imlay — CFMS Scholarship Honoree

Because of his contributions to rock and mineral education, Ed Imlay was selected as the CFMS Scholarship Honoree. Ed will select a college or university and work with them in the selection of a student(s) involved in earth sciences study to receive a scholarship from CFMS. Presenting the honor at the November meeting was PL5 member Tony Fender — CFMS VP.

Member Creations

Above: Ferdie Sanchez's gem trees won top honors at the CFMS/AFMS show in Ventura this year. He learned this technique at a PL5 Holiday Party craft workshop — and you can too! Ferdie will be teaching at this year's celebration!

Left: Simple Elegance is what Stephanie Trat calls her necklace of Botswana Agate, rose gold and art glass.

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

While Out Rockhounding

Left: Jim Gersbach found a tiger in a Thailand rock pile!

Right: Carolyn Duncan looking for odd-looking rock - cool found a nice tuna!

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 manufacturers 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!

Activities, Tips and Information

Cleaning Your Jewelry
Tips From Good Housekeeping.com

Brighten gold and gems —
Ever look under your ring? Lotion, soaps and everyday dirt can clog the prongs, making stones appear facet-less and flat. Even gold chains and pendants can get gunked up through everyday wear.

1. Give gold a bubble bath by pouring a few drops of mild dish soap into a small bowl of sodium-free seltzer water or club soda (in Good Housekeeping Institute tests, the carbonation loosened soil and removed debris).
2. Put the jewelry into a small strainer, and place it in the bowl to soak for about five minutes.
3. Swish it around, fish out each piece to go over settings and crevices with a soft toothbrush.
4. Return items to the strainer and rinse under running water; dry with a soft cotton cloth.
5. For costume jewelry, especially if stones are glued rather than set, dab a cloth into the bubbly solution and gently wipe any smudges or grime, then "rinse" with a cloth dampened in plain water.
6. Pat dry and lay the pieces upside down so moisture won't soak into the setting.
FIELD TRIPS

The Mining Supplies And Rock Shop (see ad on page 4) will host a field trip on Saturday, December 2nd, for a rock collecting day field trip to Pisgah Crater/Lavic Siding Agate, Jasper and Chalcedony Roses. They will start out meeting at the Barstow Rock and Gem Show (see page 7 for show address) and then head out a few miles outside of Barstow. This trip requires only a high clearance passenger car. Pisgah Carter is a beautiful example of a young volcano eruption. They are going to visit it, explore around the rim, collect some minerals, maybe some chunks of pumice (it make GREAT yard rock), and visit the lava tubes! Then they will visit a great location for chalcedony, mossy red and green agate, and then make their way over to Lavic Siding and find some big chunks of red Jasper.

A fee of $10.00 per person is required to attend, this fee can be paid in person at their store, by phone, or at the Barstow Rock and Gem show. Please bring cash if you are paying at the show. For more information call 760.244.9642.

The Mining Supplies And Rock Shop is a great resource for rock, mineral and lapidary hobbyists. Visit their shop in nearby Hesperia!

FEEDERATION NEWS

CFMS - California Federation of Mineralogical Societies

Mitchell Caverns Reopens
By John Martin CFMS Public Lands Committee

After being closed for nearly seven years Mitchell Caverns with its unique lime-tome cave formations is now open. Reservations are a must (360-660-2506) or (760) 929-2566 and you must arrive and pay for the tours at least 15 minutes before they are scheduled to depart. Arrive early and allow plenty of time to journey to the park as road conditions can be subject to delays. The 1.5 hour tour involves a 1.5 mile round trip walk from Mitchell Caverns and costs $10 per adult, $5 per child (16 and below), $5 per senior. Park entrance Fees: $10 per vehicle, $5 with seniors (62 and up) on board. Note, the park is closed Christmas Day and New Year's Day. Cave Tour Times are given only twice a day, at 11 a.m. and 2 p.m. Fridays through Sundays (including holiday Mondays).

Safety Tips:
• Make sure to have plenty of water, more than you think you would need.
• Bring food. There is none available at the caverns or within 25 miles.
• Bring sunscreen and use it.
• Cell phone coverage is spotty or nonexistent. Bring a map and know your route before leaving home.
• Dress appropriately. Bring layers of clothing for very warm or very cold.
• Wear appropriate shoes for hiking such as close-toed shoes.
• Fill your car's gas tank. Nearest town with amenities is 56 miles away.

Location/Direcitons: http://www.parks.ca.gov/?page_id=515

AFMS - American Federation of Mineralogical Societies

The 2018 AFMS Convention and Show will be in Raleigh, NC in April. Come for the show and stay for rock collecting!

‘Tis That Time Of The Year!

• Never worry about the size of your Christmas tree. In the eyes of children, they are all 30 feet tall.
• “How did I get so late so soon?” — Dr. Seuss
• Christmas is not the counting of presents you have, it is the counting of loved ones surrounding you.
• I will honor Christmas in my heart, and try to keep it all the year. — Charles Dickens
• Don’t be scared if a big fat man comes to you in your room and stuffs you in a bag... I told Santa I want you for Christmas!!!
• The only blind person at Christmas time is he who has not Christmas in his heart. — Helen Keller
• Dear Santa, I would like a thin body and a fat bank account. Don’t mix it up this year.
• Christmas is the season for kindling the fire of hospitality in the hall, the genial flame of charity in the heart. — Washington Irving
• No matter which side you are on and even though it’s not your religion, I bet you are enjoying Christmas.
• Christmas is doing a little something extra for someone. — Charles M. Schulz
• My idea of Christmas, whether old-fashioned or modem, is very simple: loving others. Come to think of it, why do we have to wait for Christmas to do that? — Bob Hope

Kingsley North, Inc.
P.O. Box 216 • 310 Brown Street
Norwalk, MI 48760-0216

Your Complete Lapidary and Jewelry Supply House

FREE Catalogs
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Email: sales@kingsleynorth.com
Fax: 805-563-7143

Return to Section 3
TIPS, HINTS AND SAFETY

How to Clean a Copper Bracelet
From jewelrynotes.com

As you wear your copper bracelet, it will lose its luster over time and may become tarnished. How you should clean your copper jewelry depends on whether it has been lacquered or not.

Cleaning a Lacquered Copper Bracelet
If your copper bracelet is lacquered, it will not tarnish as easily as non-lacquered copper jewelry does. Instead, it will get dull and become less shiny. Here are some tips:
- You can use a polishing cloth to shine a lacquered copper bracelet.
- If the bracelet is very dirty, you can wash it with warm water with some dishwashing liquid or soap added in.
- Rub gently with a cloth or an old toothbrush. Rinse the bracelet well and dry it gently with a soft cloth.

Cleaning a Non-Lacquered Copper Bracelet
In general, non-lacquered copper jewelry can be cleaned well with mildly acidic substances such as lemon juice or vinegar.
- Apply the lemon juice or vinegar to a clean cotton rag.
- Clean the bracelet by just rubbing it with the cleaning solution, and work carefully around any stones in the piece.

Notes:
1. Avoid applying lemon juice, vinegar, or any other cleaning substances to gemstones in your bracelet, as they may get damaged.
2. Be especially careful with pearls. Don't soak such jewelry in the cleaning liquid, unless you are certain that it is safe to use with the stones you have.
3. Consider that if your copper bracelet is antique, or made to look antique, removing the tarnish from it may make it less valuable in the eyes of potential buyers, if you ever plan on selling it.
4. Do you experience a green coloring on your skin when wearing copper jewelry? Read the January issue of Rockhound Ramblings for tips on how to prevent this!

LOCAL ROCK AND GEM SHOWS

1 - 3 — COSTA MESA: Wholesale and retail show; Gem Faire Inc; OC Fair & Event Center, 168 Fair Dr; Fri, 12-6, Sat, 10-6, Sun, 10-5; Admission $7; www.gemfaire.com

1 - 31 — QUARTZSITE, AZ: Market Place Street Fair; Tyson Wells Market Center Swap Meet; Nice Ranch Yaw! Come! Show; Grease Wood Swap Meet. Get more show information at www.desertiusa.com/cities/quartzsite.html

2 - 3 — BARSTOW: Annual show; Mojave Desert Gem & Mineral Society, Cora Harper Fitness Center, 841 Barstow Rd; Sat, 10-5, Sun, 10-5; Free Admission; Fun for the whole family. Lapidary sets & crafts, Displays with special Petrifed Wood exhibit by Walt Wright. Silent Auctions both days & Raffle. Dealers! www.mdgs.net

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 go! Send me a “selfie” — Editor

9 - 10 — RIALTO: Annual show and sale; Orange Belt Mineralogical Society, Across street from Rialto City Hall; 105 S. Palm Ave; Sat, 9-Mid, Sun, 9-5; Display - Displays of rocks, minerals, fossils, gems, jewelry, handmade crafts, tools, petrified woods, agate, geodes, and much more. Fun and educational! Free Admission. www.Obmsrocks.yolasite.com

26 - 28 — SAN MARINO: 2017 Viewing Stones Show; California Aksei Kai presents its 28th annual show featuring outstanding examples of Siberian and other viewing stones. Practiced in Asia for centuries and gaining popularity around the world, the art of viewing stones invites contemplation of the subtle, often tangular forms that have been shaped by the elements, time, and place. General admission fee. Brody Botanical Center at the Huntington Library and Gardens 1111 Oxford Road. Tuesday–Saturday, 10 a.m.–5 p.m. A related display presented by the American Viewing Stone Resource Center will be on view during the same dates in the Japanese Garden’s Rebekah House.

Society T-shirts, hats and vests are available to our members through our president, Ellen Ferrell. Vests are $13, T-shirts are $15, Hats are $11 and replacement member badges are $9 (specify either magnet or pin mount). Phone: 727-512-0381 or Email: ellement2007@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 Vinny – 841 E Rte 66, Glendora, CA 91740 (626) 966-4770

Member - To - Member

Set of 4 Bridgewater Dueter tires P265/70 R17. Like new and field trip ready! - Mike Offer! Carolyn Dungan (909) 593-2781 <gemquest@verizon.net> O Wanted — Trim saw, Ellen Ferrell (727) 512-0381 O Jim Gensbach buys lots of gems, beads, tools and stamps <james@gensbach.net> — buy sell and trade! O Favorite Field Trip Guide of the Los Angeles Gem Hunters, Out-Of-Print edition of forgotten collecting locations from the 1980’s — only $15. Mark Nelson (909) 996-1784 <minerson@att.com> O FREE TUMBLE-POLISHING: Give me your rock from PLS field trips. Agate, Jasper, Petrified wood (pea to softball size or even larger). I will tumble some for you and some for the PLS to use as show prizes, auctions, display specimens and meeting props. Tax donation receipts for all material. FREE LOADING AND PICK UP. All donations are tax deductible. Ben Shutman <benb2008@gmail.com>

Members are welcome to place a FREE message for items or services wanted, for sale or for trade. Photos welcomed. Email submissions to: pasadenalapidary@aol.com or by fax to (626) 384-1278.
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.
Pasadena Lapidary Society Meeting Sign
This sign is placed in the front lobby of the Pasadena Central Library an hour before our meetings. It has successfully attracted the public to our meetings and has resulted in new members!
Social Media

The Pasadena Lapidary Society uses social media to market itself to prospective members and to the community. We also use it to advertise special events, such as the Annual Show!

https://www.facebook.com/pasadenalapidarysociety

https://twitter.com/PasaLapidary
The Society’s Publicity Committee Chair is a member of the Board of Directors. We receive a lot of local media coverage for our shows and special events, including the Automobile Club’s Westways Magazine and local papers.
The month that we hosted paleobotanist Walt Wright to speak at our monthly program meeting we made a real effort to get the word out to the local media. It paid off nicely with a multi-page article in several papers.
When the Society receives any distinction we try to make a big deal about it in the local papers. It helps with name recognition, recruitment, government relations and fund-raising. In this interview by Pasadena Now, our workshop was highlighted as member benefit.

The photo on the left shows our Beading Group at one of their project meetings at the Workshop.
Section 4
Support For Regional Federations, AFMS, And Other Clubs

Members served in Federation as Officers, Committee Chairs or committee members:
Regional federation: Yes – See list on page 53
AFMS: Yes – See list on page 53

Members attended a Federation convention or show:
Regional Federations
California: Yes, 27 attended the 2017 show in Ventura, CA
Northwest: Yes, 2 attended the 2017 show in Hamilton, MT
Eastern: Yes, 2 attended the 2017 show in Bristol, CT
AFMS: Yes # = 27 (AFMS - Ventura, CA)

Members supported Federation scholarships or endowment funds:
AFMS: Scholarship fund: Yes
CFMS Endowment fund: Yes
Other support for regional federations? Service on Federation committees and speaking at other federation conventions.

Members gave programs for other clubs: Yes – See list on page 53

Members attended other club shows, swaps, etc: Yes, in CA, AZ, MT, CT and KS
Sample of shows attended:
A number of shows in California, including that of the Monrovia, Orange Belt, Culver City, Ventura, Ridgecrest, San Diego, Searchers, Whittier, North Orange County, Shadow Mountain and Glendora. Quartzsite Roadrunners Gem & Mineral Club (AZ), Bitterroot Gem & Mineral Society (Hamilton, MT), Bristol Gem & Mineral Club (CT).

Members held joint field trips with other clubs: Yes – See report on page 54

Members displayed/demonstrated at other club shows:
Yes - See the list on page 55.

Club exchanged bulletins with other clubs: Yes – See list on pages 56 & 56

Bonus: Bulletin Editor is a member of S.C.R.I.B.E.: Yes – our Bulletin Editor is a member and was an officer of S.C.R.I.B.E. in 2017.

Bonus: Members served as judges for Bulletin Editor’s Contest? Yes, both Elizabeth Weston and Mark Nelson served as AFMS Bulletin Editor’s Contest judges.
California Federation Of Mineralogical Societies
Linda Nelson  Financial Advisory Committee
Mark Nelson  Safety Committee Chair
JoAnna Ritchey  Scholarship, Museum, Internet Committees
Tony Fender  Treasurer
Marcia Goetz  Secretary

American Federation Of Mineralogical Societies
Mark Nelson — Bulletin Editors Advisory Committee Chair

Special Congress Representing Involved Bulletin Editors (S.C.R.I.B.E.)
Mark Nelson — President

Members Giving Programs for Other Clubs


May 21st - Northwest Federation, Bitterroot Gem & Mineral Society, Hamilton, MT
Mark Nelson – How To Create An Award-Winning Bulletin

June 11th - California Federation, Ventura Gem & Mineral Society, Ventura, CA
Mark Nelson – What makes an Award-Winning Special Publication for the Bulletin Editor’s Contest?

October 22nd - Eastern Federation, Bristol Gem & Mineral Club, Bristol, CT
Mark Nelson – How to create an effective Special Publication for your society
In January, 2017, the Pasadena Lapidary Society joined with representatives of six other local clubs to plan joint field trips. These are the trips they planned.

2017 MULTI-CLUB FIELD TRIP SCHEDULE
This year we were able to plan and execute 13 field trips!

JANUARY 21 st & 22 nd : QUARTZSITE ROADRUNNERS POW WOW SHOW. Coordinate field trips with QRGMC president Wayne Glover.

FEBRUARY 18 th – 19 th : Paul Bunyan Agate Area Colorful agate — which is red, white and blue. The seam is about three quarters of the way up a mountain and the soil is soft.


APRIL 29 th & 30 th : Stoddard Wells — Jade, verde antique marble, blue dolomite, soapstone, tricolored marble and other collectibles in the area.

MAY 27 th - 29 th : Kramer Junction — Princess Pat and other Tungsten mines, Opal Mountain, North Edwards or Castle Butte.

JUNE 18 th : North Edwards and Brown Butte — Bloodstone, agate, petrified palm and more.

JULY 8 th : BH Beads Wholesale — largest inventory of semi-precious stone beads, turquoise, howlite, tourmaline and other items

AUGUST 26 th : San Bernardino County Museum — a private tour of new exhibits and a behind-the-scenes look at the cataloging of newly acquired mineral specimens.

SEPTEMBER 23 rd : Big Bear — to collect crystals and copper minerals.

OCTOBER 14 th : Searles Lake — Hanksite and Pink halite crystals and other borate minerals.

OCTOBER 28 th : Jewel Tunnel Imports — A special trip to this wholesale lapidary shop is always a very popular trip!

NOVEMBER 4 th & 5 th : Whittier Claim Area - honey onyx, agate, jasper, palm root, Early Man Site and more.

NOVEMBER 23 rd - 26 th : Afton Canyon AREA - Old mine tailings, fluorite, sagenite, agates, crystals and even a geocache or two. The canyon is a great place to explore and to take pictures

The Pasadena Lapidary Society
Displayed competitively at the
2017 Ventura Gem & Mineral Society show in Ventura, CA

Competitive Display Awards

- Sylvia Cliffe — won the coveted President’s Award for her showcase of carved stones.
- Ferdie Sanchez – First Level award his competitive display case of gem trees.
- Marcia Goetz – Entered a non-competitive display case of her creations which received a lot of attention!
- Pasadena Lapidary Society Members Case -- First Level award for the display case containing club members' creations.
- Jennifer Nishimura – First Level (100% score) award for her competitive display case of wire wrapped jewelry.
- Linda Nelson – Second Level award for her competitive display case of collecting sand from around the world.
- Mark Nelson – Second Level award for his competitive display case of hand-crafted jewelry.
- Joe Goetz – First Level award (100% score) for his competitive display case of cabochons.
- Joe Goetz -- Second Level award for his competitive display case entitled “How To Make A Cabochon”.

Members also entered the CFMS and AFMS Bulletin Editor’s Contest and were awarded:

- Elizabeth Weston – Second Place in CFMS, Fifth Place AFMS for Adult Poetry in the Bulletin Editors Competition for her poem article entitled Leaverite (November 2016 Issue of Rockhound Ramblings).
- Paolo Sanchez – First Place in CFMS, Second Place in AFMS for Junior Articles, Age 12-17, in the Bulletin Editors Competition for his article Painite (December 2016 Issue of Rockhound Ramblings).
- Rex Nishimura – First Place in CFMS, Third Place AFMS for Written Feature Articles in the Bulletin Editors Competition for his article Rescue at Courtright (July 2016 Issue of Rockhound Ramblings).
- Jared Nishimura – Second Place in CFMS, Third Place AFMS for Junior Articles, Age 12-17, in the Bulletin Editors Competition for his article Thundereggs Of Oregon (November 2016 Issue of Rockhound Ramblings).
- Alyson Nishimura – First Place in CFMS, First Place in AFMS for Junior Articles, under age 12, in the Bulletin Editors Competition for her article Obsidian Wonderland - Glass Butte, Oregon (September 2016 Issue of Rockhound Ramblings).

The Pasadena Lapidary Society Web Site -- www.pasadenalapidarysociety.org — was awarded Fourth Place among all 110 clubs in California!
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<td>Heidi Webber</td>
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<td>SLO Gem &amp; Mineral Society</td>
<td>Noah Doughty</td>
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<td>Agatizer</td>
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<td>Gene Case</td>
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ALL-AMERICAN CLUB “Yearbook” AWARD
For Year 2017
Section 5 — Community Relations

Members gave talks or demonstrations at local schools:
Yes – See list and photos on pages 59 - 62

Members gave talks or demonstrations to local groups:
Yes – See list and photos on pages 59 - 62

Members maintained displays at local public sites:
Yes – Mt. San Antonio College - See details and photo on page 63

Members maintained a booth, or an activity, at a local event:
Yes – See details and photo on page 64

Members donated materials to school, nursing home, etc.:
Yes – See details on page 65

Members active in local affairs:
Yes – See details on pages 66 - 68

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Community Relations
Presentations

In 2017, Ed Imlay, our long-time Education Committee chair stepped down from the chairman position. Joan Harrison stepped up to continue the great work that Ed has done. She was joined by Jennifer Nishimura (2015 Junior Rockhound Of The Year), and they were active in presenting programs to youth groups! In these months Jennifer, Ed and Joan presented rock and mineral displays and spoke to these schools:

April – Participated in an “Open House” evening at Washington STEAM Academy (Science, Technology, Engineering, Arts, and Mathematics) in Pasadena.

May – Presentation at “Science Night” at Madison Elementary School in Pasadena. Joan set up a demonstration table with rock and mineral samples and information about PLS. Students used “clue cards” and magnifying glasses to identify, sort and classify specimens. The event was well attended.

May – Joan hosted a 90 minute workshop at the Sierra Madre Library’s STEAM club after school. Students discussed the rock cycle and used clue cards and magnifying glasses to identify, sort and classify specimens. The event was well attended and they discussed how artists have used minerals as pigments in paints. Students used tempera paints to make artwork about the rock cycle.

May – Ed Imlay gave a wonderful, hands-on, presentation to 4th graders at E.O. Lawrence Elementary School. After learning about, and examining a variety of specimens, students were delighted to watch a rock tumbling demonstration and choose their own tumbled rocks. This was a 90-minute presentation and workshop to 26 students.

July – Janie Duncan held an interactive rock and mineral table for young minds at the Culver City Gem & Mineral Society’s show.

August – Phil Lahr made and donated “yard fossil castings” for use in upcoming school presentations.

September – Joan developed a workshop about mineral pigments and their traditional uses that connects to Next Generation Science Standards (NGSS) and Visual Arts (VAPA) standards.

November – Presentation to the Washington S.T.E.A.M. Academy in Pasadena.
Dear Mr. Imlay,

I just wanted to say Thank you! for sharing your rock collection with my classmates and me. I hope you come in 5th grade. I would be happy if you come again. I also want to know if you found more! Sincerely, Emily

Write Back Soon!

From: Emily

Thanks for teaching Rocks & Minerals

Return to Section 5
Thank you notes following school presentations.
Community Relations
Presentations

Ed Imlay, Education Committee Chairman.
Talking with students at Longfellow Elementary School
Pasadena, CA
Displays at Local Public Sites:

We maintain a display in the entry lobby of the new Science Building of Mt. San Antonio College in Walnut, California.
The Mt. San Antonio College Lapidary Class:

During 2017, members of the Pasadena Lapidary Society maintained the equipment in the lapidary classroom at Mt. San Antonio College in Walnut, CA.

Members involved: Carolyn Duncan
Linda Nelson
Mark Nelson
Pat Oronoz
Twice during 2017 members worked to gather donations of food for the Friends In Deed shelter and food pantry in Pasadena. Our 2017 food drives were in June and in December — when the pantry asked us to help them fill gaps in their most needed times of the year.

December’s contribution was over 300 pounds of food!

Linda Nelson and the director of the food bank unload 300 pounds of food!
The Pasadena Lapidary Society is proud of our members commitment to serve their community. We believe that this is the foundation for personal growth, self esteem and strength in our communities. The following are some of those who are committed to community service:

**Victor Castellano** — is a member of the Los Angeles County Democratic Party Central Committee, from Assembly District 41. Victor has a goal of bringing the needs for open collecting on public lands to the attention of elected officials.

**Denise Davis** — Fishing instructor for the Legg Lake Junior Fishing Club. Secretary of the Turners Rod & Reel Club. Secretary of the Monrovia Rockhounds. Volunteer with the Los Angeles County Fish and Game Commission’s Fishing in the City program. Member of Fish for Food (supporting the Ventura County Food Bank).

**William Davis** — On the Board of Directors of the Dan Hernandez Youth Foundation (Supports free fishing events for kids), the Challengers Angling Club and of the Los Angeles Rod & Reel Club. President of the Turners Rod & Reel Club. Vice President of the Westside Sportsman's Club. President of the Southern California Chapter of the National Association for Retired Federal Employees. Member of Fish for Food (supporting the Ventura County Food Bank) and of Friends of Rollo Volunteers (Plan at least one saltwater fishing trip a year for Eagle Rock Elementary School kids). He volunteers with the Los Angeles County Fish and Game Commission’s Fishing in the City program and at the City of Hope Cancer Research Center. In 2014 William earned the Dr. Herman Epstein Special Service Award for his work with the Los Angeles Rod & Reel Foundation after recruiting 80 volunteers on a work day to lead a saltwater fishing trip in five boats for 200 disadvantaged, disabled and troubled children.

**Carolyn Duncan** — Member of Fish for Food (supporting the Ventura County Food Bank). Named Sportswoman Of The Year.

**Janie Duncan** — was named as the 2016 Monrovia Woman Of Distinction by California Assembly Majority Floor Leader Chris Holden on March 3. Assemblyman Holden said of Janie "Janie Duncan is known city-wide as someone who can and will help those in need. As co-founder of Monrovia's Foothills Kitchen, Janie and her team provide meals to anyone in need every Saturday at 1:00 p.m. at the United Methodist Church. She also helps with jobs, housing, clothing and other needed items."

**Ed Imlay** - Member of the Dan Hernandez Youth Foundation.
Members Involved In Local Affairs

Chris Kyte — Member of the Glendora Historical Society and of the Altadena Senior Center. Recently retired from serving as a Marriage, Family, and Child Counselor.

Marléné Kyte — Member of the Glendora Historical Society and of the Altadena Senior Center.


Mark Nelson — Member of the San Dimas Historical Society and of the American Society of Testing & Standards Committee on Search and Rescue. Past president of the San Dimas Chamber of Commerce. A San Dimas Citizen Of The Year. Member of the San Dimas Mountain Rescue Team and president of the California Barbed Wire Collectors Association.

JoAnna Ritchey — Board Member of the Monrovia Coordinating Council of Non-Profit Organizations.

Susan Carter SooHoo — President of Independent Labrador Retriever Rescue of Southern California.

Daphne Traeger — High school science teacher; member of the National Science Teachers Association and the California Science Teachers Association.

Tom Traeger — High school science teacher; member of the National Science Teachers Association (NSTA). California Science Teachers Association (CSTA), National Earth Science Teachers Association (NESTA), and National Association of Geoscience Teachers (NAGT). He’s also a member of California Teachers Association (CTA) and National Education Association (NEA) and the American Association of Physics Teachers.

Martha Wilson — Member of the Altadena Heritage Society.
Monrovian Janie Duncan Named as a 'Woman of Distinction'

Monrovian Janie Duncan will be recognized as a "woman of distinction" by Assembly Majority Floor Leader Chris Holden, who represents Monrovia. Duncan will be honored with the other women of distinction on March 3 at Holden's District Office Open House, 600 N. Rosemead Blvd. Pasadena. Holden's office writes:

"Janie Duncan is known city-wide as someone who can and will help those in need. As co-founder of Monrovia's Foothills Kitchen, Janie and her team provide meals to anyone in need every Saturday at 1:00 p.m. at the United Methodist Church. The meals include housing, clothing and other needed items."
Members Serving on Governmental Agency Committees:

**Victor Castellano** — was elected to the Los Angeles County Democratic Party Central Committee, from Assembly District 41. Victor has a goal of bringing the needs for open collecting on public lands to the attention of elected officials.

**William Davis** serves on the Los Angeles County Fish and Game Commission. In his capacity there he provides input and proposals for this agency.

**Joel and Christine Tureaud** worked this year with the California Department Of Fish And Wildlife on projects in Peace Valley, CA.

Support for ALAA:

The Pasadena Lapidary Society is a member of ALAA and firmly supports work that ALAA does on behalf of our hobby. Many of our members are individual members of ALAA.

In 2017 several of our members attended the Desert Advisory Council meetings in the Barstow, CA, area.

Mark Nelson met several times with California Senator Anthony Portantino (25th District) and with the staff of Congresswoman Judy Chu (27th District) and Supervisor Kathryn Barger (San Dimas 5th District).

PLS member and 2017 Rockhound Of The Year - Rex Nishimura, attended a meeting of the Bureau Of Land Management and the Mojave Trails National Monument administrators as part of a multi-club representation of rock and mineral clubs.

His report is published on our Society website:

In compiling this yearbook our committee was challenged to look back at the year 2017 and to look ahead in planning our activities in 2018. We asked our members to give us their impression of the things they saw happen with our club this past year. These are their notes:

- The club is moving to include more teaching opportunities. Anyone, regardless of age or economic state, who wants to broaden his or her knowledge could come and learn more about earth sciences. This education is available through monthly presentations to schools and civic groups, our annual gem & mineral show, workshops and field trips.

- Our outreach on Facebook and Twitter has grown quickly! Friends and Followers increase every month and these social media resources, combined with the web site, attract new members every month.

- The number of visitors to our Web Site continues to grow since it was launched in January of 2014. The Web Site was ranked among the top 4 in our Federation! Most of our new members and people who want to donate equipment and minerals say that they learned about us from our Web Site.

- To stabilize fluctuations in our membership we initiated a requirement that prospective members attend three activities of the Society prior to being accepted as a member. This has proved to be beneficial, as those who continued the process to membership are those who are more active in the Society’s activities and operation.

- Our Junior Members expanded their confidence and ability within the hobby. They are regular presenters at our meetings and act as instructors for new Juniors at the workshops and field trips.

- For a third year we took the initiative and invited six other nearby clubs to join in planning interesting field trips. This joint effort with the other local clubs to plan joint field trips added to the diversity of the places we go to collect. The feedback from our members indicates it was a popular decision.

- With the close of 2017 we have enjoyed a full year in a new workshop, thanks to the generosity of Damon and Valerie Stathatos. It is spacious, well lit and even air conditioned with evaporative coolers! Our members continued to be generous with their time and money to perform facility and equipment maintenance.

- Our Library grew with the donation of a series of lapidary magazines from a retired hobbyist in Palm Springs!

- Member participation in bulletin articles resulted in our winning state and national awards for their excellence! See the list of awards on page 55.
Members stepped up to become active in the local and national Federations and traveled thousands of miles to attend shows in other areas.

Our board considered having an event where our members could swap or sell their creations with the public. While it was not acted upon this year the board left open the possibility for having such an event in the future.

We were well served by our elected leaders and elected board members for the 2018-2019 years.

There was outstanding participation in nominating and electing a 2018 Rockhound Of The Year and Junior Rockhound Of The Year! A tie in the votes selected Carolyn Duncan and Mona Ross as Rockhounds Of The Year and Paolo Sanchez as 2018 Junior Rockhound Of The Year!

The club made the commitment to continue to participate in the All-American Club program. At the 2017 AFMS Convention in Albany, Oregon, our Society was recognized as a First Place Gold gem and mineral club – the top award in North America!

At the close of 2017 we asked our members to name three things that they liked best about the club in 2017. These were the answers - listed in order of number of responses:

- The workshops (wish there were more each month).
- The outstanding monthly newsletters.
- The Field Trips.
- The monthly presentations, rock of the month talks and the what am I? table.
- Helpful and friendly fellow members, the family atmosphere of the activities.
- The surplus sales of donated rocks and minerals.
- Help with rock and mineral identification.
- The Beading Group.
- The meeting refreshments, Picnic and Holiday Party.
- The CFMS/AFMS Show.
PLS member Bon Paphatsarang (center next to flag) teaching a free wire jewelry class to older adults at the San Dimas Senior Center.
2017
Memories
The CFMS/AFMS Convention

Sylvia Cliffe won the coveted President’s Award for her showcase of Carved Stones

Left: Joe Goetz won a First Level Award for a perfect score on his display of cabochons. His “How to Mark a Cabochon” case won a Second Level Award!

Left: Ferdie Sanchez won a First Place Award for his display of gem trees!

Left: Jennifer Nishimura won First Place for her display of Cabochons. Ellen Ferrell accepted her plaque at the awards banquet.
2017 Memories
The CFMS/AFMS Convention

Left: Linda Nelson’s display of colored sand from around the world won a Second Level Award!
Below: Mark Nelson’s display of hand-made jewelry also won a Second Level Award!

Left: The Pasadena Lapidary Society Members Case won a First Level Award!

Pasadena Lapidary Society members Rex Nishimura, Paolo Sanchez, Jared Nishimura and Alyson Nishimura entered the CFMS Bulletin Editor’s Contest and won at both the CFMS and AFMS level.
Also winning awards but not shown was Elizabeth Weston for her poem “Leaverite”.

Return to Page 5
Rex Nishimura won First Place in the CFMS Bulletin Contest, and Third Place nationally for his article "Rescue At Courtright!"

CFMS award presented by Sue Web (left) and the AFMS award by Mark Nelson (right).

Paolo Sanchez won First Place in the CFMS Bulletin Contest, and Second Place nationally for his article "Painite!"

CFMS award presented by Sue Web (left) and the AFMS award by Mark Nelson (right).

Jared Nishimura won Second Place in the CFMS Bulletin Contest, and Third Place nationally for his article "Thundereggs Of Oregon!"

CFMS award presented by Sue Web (left) and the AFMS award by Mark Nelson (right).

Alyson Nishimura won First Place in the CFMS Bulletin Contest, and also First Place nationally for her article "Obsidian Wonderland — Glass Butte, Oregon!"

CFMS award presented by Sue Web (left) and the AFMS award by Mark Nelson (right).
2017
Memories
The CFMS/AFMS Convention

PLS members serving the CFMS L-R: Marcia Goetz (Secretary), Joe Goetz (Nominating Committee), Other Club Member, Mark Nelson (Safety Committee Chair), Linda Nelson (Financial Advisory Committee Chair), Cindy Lamarche.

Below: Mark Nelson delivered the report of the Safety Committee to the directors. He distributed a draft copy of the proposed Safety Guide.

Right: Linda Nelson delivered the report of the Financial Advisory Committee to the directors.

Below: Mark Nelson delivered the report of the Safety Committee to the directors. He distributed a draft copy of the proposed Safety Guide.
Cabbing success brings smiles!
Left - Gloria Biesterfeld (seated) with Ellen Ferrell
Right - to Beverly Jones
Below to George Bryant and Traci Anderson.

Above: George Bryant learns quickly on the cabbing machine reserved for Juniors.

Above: Carolyn Duncan give safety instructions to Eddie & Linda Wong, Shona Stewart and Hamish Cullen.

Above: Joe & Marcia Goetz sort gem-quality beads donated by the Farrin O’Connor Company.

Above: Jennifer Jang explains how she is going to organize the Library to Carolyn Duncan and Marcia Goetz.
Organized classes at the workshop develop life-long skills!

Above: Jacqueline Cooper (white hat) checks the progress of Phil Lahr and Corrine Imlay in the Metal Etching class.

Right: members Valerie Stathatos, Cynthia Murphy and Crystal Drysdale practice what Jacquie is teaching.

Left: A popular class for new members is Ed Imlay's “Cabbing 101”, in which he teaches how to take a rock from rough to a cabochon.

Right: Members always have the option to work on their own projects, as evidenced by Jay Valle and Bob Brice (facing away).
Above: The workshop is very popular and there is always help for those who need it!

Above Right: The new faceting machine that was donated to PLS this year!

Right: Irene Leung puts the finishing touch on a cabochon!

Left: Megan McHone handles the sale of PLS T-Shirts and vests, which are often available at the workshop.

Right: Michael Perez pays close attention to the progress of his lapidary project!

Below Left: Cleaning the saw sludge and filtering the oil help maintain the life and operating efficiency of our saws.

Below Center: Sylvia Cliffe and Christine Tureaud work on a beading project, while Rex Nishimura and Gloria Biesterfeld (below right) select stones for making cabochons.
We believe that our Junior Members are key to the future of our hobby. We are fortunate to have such talented young people in our Society. Here are just SOME of the junior members who contributed to the Society’s activities in 2017:

Above: Jared Nishimura, 2016 Junior Rockhound Of The Year, worked in several of our show venues this year and wrote an article that won awards in the Bulletin Editor’s Contest.

Above: 2017 Junior Rockhound Of The Year Alyson Nishimura.

Left: Danielle Sanchez made us proud when she won a Los Angeles Academic Decathlon in 2017.

Left: Jennifer Nishimura (2015 JROTY). Right: Paolo Sanchez (2014 and 2018 JROTY). His written article on Painite won First Place in the CFMS Bulletin Editor’s Contest!
We work hard to provide educational presentations at our monthly meetings. We advertise them in advance and the public is always welcome!

**Left:** Dr. Aaron Celestian, the curator of gems and minerals at the Natural History Museum in Los Angeles spoke in March.

Below: Alyson Nishimura spoke about Borates at the February meeting.

**Left:** Cori Solan introduced us to Benitoite - the California State Gem in September.

**Right:** Brad Smith, the author of Bench Tips, spoke in November.

**Left:** In October David Lacy explained why Opals are as attractive as we know them to be!

**Right:** In November we learned that Ed Imlay was chosen select the school for the CFMS Scholarship.

Blue Lace Agate from Jennifer Nishimura in March

Walt Lombardo in January!

Radioactive Minerals by Paolo Sanchez

We appreciate Cindy Lamarche and those members who brought us great refreshments during the year!
This year’s Tournament Of Gems annual show was held at the Masonic Hall in San Marino. Signs were posted for weeks before the event. Dealers and members worked Friday to set up the show!

The entry vestibule, social hall and kitchen were set up to attract visitors to the dealers - who had a great selection of lapidary goods!

Above: Demonstrations of lapidary arts (scheduled by Corrine & Ed Imlay) brought a lot of visitors to our show.

Below: Hourly Door Prize Drawing.
2017 Memories — The Annual Show

Display case room

Mixed Lapidary Projects

Plesiosaur bones

Award-Winning Gem Trees

Bead Work

Left: Ed Imlay with Armando & Matt Pedroza set up the Club Case.
Above: The Kids Zone of games and prizes is always a big draw for the show!
Clockwise from here: May (Kramer Junction Area) Dottie Jacobs (Delvers) shows how determined she is to find the specimens! — The Sakai Desert Sculpture – Bruce Lamarche, Mark Nelson, Desert Rat, Bill & Donna Eggles (Searchers), Cindy Lamarche, Linda Nelson, Ellen Ferrell, Ellen Limeres, Karl Stull, Dave Kelty, Carolyn Duncan, Dave & Bonnie Lacy, Charlotte Bane — a rare Mojave Green rattlesnake — the Boron Mine — map to the Princess Pat Mine ◊ August (San Bernardino County Museum - David & Bonnie Lacy, Bob Montgomery, Carole Sumler, Alice Watkins, Linda Nelson, Art Ragazzi (Whittier), Clyde Latimer, Ginger Ragazzi (Whittier), photo by Mark Nelson
Clockwise from here: October (Jewel Tunnel Imports) A popular field trip! Photo of the warehouse showroom — a young collector with a find — David Lacy with the specimen he’s been looking for — Amethyst and Citrine geodes — Elizabeth Weston and her mother looking for something special! — Bonnie Lacy with a box full of lapidary material ◊ September (Big Bear) Crystals collected by Tanner Soohoo ◊ 2017 was a great year for PLS field trips, and that’s the rock bottom truth! .....

Well its official... I finally found Rock Bottom
Art created by our members:
Left column: Bon Paphatsarang - repousse bracelet, pendant of amber trapped in silver ◊
Clyde Latimer - chipped crystal repaired at workshop, completed crystal made into a lamp
Center column: Bon Paphatsarang - star sapphire set in white gold with diamonds ◊
  Ben Shutman - heavy woven silver bracelet, pendant of lace agate in sterling silver
Right column: Carolyn Duncan sterling silver “splatter bracelet” ◊
  Philip Lahr - Trapped Bead pendant (workshop project) ◊
  Gloria Biesterfeld - art glass set in silver ring, pendant and necklace of petrified wood.
Art created by our members:

**Left column:** Mark Nelson - bracelet with an 1848 U.S. cent enclosed in sterling silver, bracelet with an 1835 U.S. cent enclosed in sterling, necklace with gold-fill and Peridot faceted stones

**Center column:** Jodia McLeod - jade and sterling silver bracelet, woven sterling silver bangle bracelet
Megan McHone - earrings of polished mahogany obsidian cabochons, hand-tinted resin and sterling silver

**Right column:** Stephanie Trat - a pendant of prehnite, rubies, emeralds and hematite, necklace of Botswana agate
2017
Our Members
From photos submitted for the Yearbook

Left column: Carolyn Duncan, Danielle Sanchez, David Lacy.
Center column: Charlotte Bane, Alyson Nishimura, Ed Imlay
Right column: Carolyn Duncan-Sylvia Cliffe-Ellen Ferrell, Cori Solan & Family, Philip Lahr, Jared Nishimura, Trudy Krose
2017
Our Members
From photos submitted for the Yearbook

Left column: Mary Kirmil, Mark Nelson, Ed & Corinne Imlay.
Center column: Linda Nelson, Ellen Ferrell, Marcia Goetz, Jim Gersbach
Right column: Bruce Lamarche, Cindy Lamarche, Mary Kirmil, Joe Goetz
2017
Our Members
From photos submitted for the Yearbook

Left column: Joe & Marcia Goetz, Kay Holgate (in memory), Elizabeth Weston
Center column: Stephanie Trat, Joan Harrison
Right column: Tim Dirks, Cynthia Murphy, Tony & Sandie Fender & Sylvia Cliffe

We sincerely thank all who sent photos to the Yearbook Committee and encourage all of our members to send photos of yourself involved in Society activities!
This concludes our 2018 All American Club Yearbook submission.
Thank you for your consideration!