



ROCKY TALES

LAKE HAVASU GEM & MINERAL SOCIETY

The Official Publication of The Lake Havasu Gem & Mineral Society

Editor: Susan Sease

BOARD MEETING
May 9th, 5pm
Lake Havasu Gem &
Mineral Lapidary Shop
2186 McCulloch Blvd #B

**Rock & Egg
Breakfast**
May 28, 2018
(4th Monday of the month)
9:00 a.m.
Golden Corral
1550 S. Palo Verde
**Mark your
calendar!**

GENERAL MEETING

May 11th!

Lake Havasu Gem & Mineral Lapidary Shop
2186 McCulloch Blvd #B
Lake Havasu City, Az. 86403
Meeting Begins @ 7:00 p.m.
Visiting @ 6:30 p.m.

Inside This Issue:

Lake Havasu Gem & Mineral Society Information	Page 2
President's Message	Page 3
LHGMS/ LHMLG General Membership Meeting Minutes	Page 4
Sunset Crater Campout	Page 5
Fun Facts	Page 6
Birthdays and Anniversaries	Page 8



Summer is almost here!

Havasu Rocks

will soon have summer hours:

June 1 – August 31st, 2018

Tuesday – Saturday

10am – 2pm

*For those of you still in town, come join us
in our air conditioned store and lapidary workshop.*

For those who are traveling, safe travels and see you in the Fall!

CLUB INFORMATION

The Purpose of this Society shall be to:

- A. Increase our appreciation of the beauty and value of the land in which we live.
- B. Foster good fellowship among its members.
- C. Host an annual Gem and Mineral Show for the community.
- D. Foster awareness of the earth sciences by:
 - 1. Increasing knowledge pertaining to minerals, gems, and rocks.
 - 2. Disseminating knowledge of collecting and classification of minerals, fossils and rock through collection and classification.
 - 3. Improving the practical knowledge of cutting, grinding and polishing materials to use in the design and creation of jewelry and other useful objects.
- E. Provide educational scholarships in the scientific fields.
- F. Procure and improve the Society's property.

The Lake Havasu Gem and Mineral Society meets the second Friday of each month from September through May at **Lake Havasu Gem & Mineral Lapidary Shop 2186 McCulloch Blvd #B, Lake Havasu City, Az.**

The membership typically votes to eliminate the June, July, and August meetings.

Fiscal Year: February 1 – January 31.

Name badges are required for all members.
 One time or replacement badge cost - \$10.00
 Single membership cost - \$20.00
 Family sponsored Junior membership cost - \$10.00
 Family membership cost - \$20.00 for the first member and \$10.00 for each member thereafter with a maximum of \$30.00.

Annual Membership dues are payable on January 1 and shall be delinquent after the February meeting. Please remit payment to:

Lake Havasu Gem & Mineral Society
Attn: Membership Chairperson
P.O. Box 990
Lake Havasu City, AZ 86405-0990

The Lake Havasu Gem & Mineral Society is a member of The Rocky Mountain Federation of Mineralogical Societies (RMFMS) and associated with the American Federation of Mineralogical Societies (AFMS).

OFFICERS and DIRECTORS

Linda Harley	President
Ron Lee	Vice President
Gayle Wilson	Secretary
Michelle Smedley	Treasurer
Al Yanity	Sgt at Arms
Helen Reyes	First Year Director
Leslie Resario	Second Year Director
Gayle Gilpin	Third Year Director
Hank Smedley	Past President
Cathy Viney	Director of Operations Havasu Rocks
Kathy Padilla	Co-Director of Operations Havasu Rocks

COMMITTEES

Club Promotion	Open	Gayle Gilpin
Communications	Susan Sease	Bruce Wilhelm
Secretary	Gayle Wilson	
Education	Kathy Padilla	
Facilities	Open	
Field Trips	Kathie & Steve Bryson	
Finance	Michelle Smedley	
Fund Raisers	Helen Reyes	
Gem Show	Barry Bandaruk	
Greeters	Edith Walden	Gayle Gilpin
Hospitality	Jean Yanity / Shiela Banderuck	
Property	Open	

Rocky Tales is published monthly. The submission deadline is the 3rd Friday of the month by email to:

sjsease@gmail.com

Rocky Tales Team: Michelle Smedley,
Linda Harley and Susan Sease

Website Moderator: Bruce Wilhelm

<http://www.lakehavasugms.org/>

Facebook Page:

<https://www.facebook.com/lhcgems/?fref=ts>

--President's Message--

Hello Everyone,

By the time you read this, our new Point of Sale Program will be up and running. Many, many hours have gone into this huge task, but it should make everyone's job so much easier and more pleasant for the customer. There were several members working on this project and I appreciate their hard work, but I especially want to thank Kathie Bryson for her dedication and the hundreds of hours it took to accomplish this task, without her I doubt it would have gotten done.

It's that time of year where the Board of Directors will be taking a much deserved break over the summer; therefore, there won't be any meetings or Rocky Tales during this time and will resume in September. Just because the Board is in vacation mode, it doesn't mean that Havasu Rocks is closing for the summer; in fact we have quite a bit planned for our local youth. I feel it's important to pass the "bug" along to the next generation. We will be having free workshops for all age categories, including some lapidary for the 12-18 age group. Don't worry, there won't be any saws involved, precut stones will be on dop sticks and ready to go. If any members would like to help out with any age group, we could certainly use some extra eyes and hands. If you want more information or want to help out please call Kathy Padilla at the shop (928)733-6270. The summer hours from June 1st-August 31st will be 10:00am-2:00pm. Most of the workshops will continue during this time and maybe something new. Please don't be a stranger, stop in for a visit, shop or even volunteer for a bit. Have a wonderful, safe summer and we will start up again in September.

Linda Harley
President

A message from our Havasu Rocks Director of Operations:

If your items are for sale at Havasu Rocks this message is for YOU!

As of May 1, 2018, there is a procedure change to align with our new computerized inventory. We can no longer accept consignments spontaneously and an appointment is required, there will be no spur-of-the-moment consignments. You **MUST MAKE AN APPOINTMENT** with either Linda Harley or Cathy Viney. Here are the exact steps:

1. Call the Shop and make an appointment to bring in your items. You will hear back from either Linda or Cathy to confirm a day and time.
2. Obtain the new inventory sheet and list of item description terminology – to be sent to you via email or you may pick up at the shop.
3. Fill out the inventory sheet and bring it with you when you come to the appointment. Put price tags securely on your items.
4. Linda or Cathy will review the items and their tags making sure that each item is properly listed on the inventory list and that the tag numbers and prices match what is written on the list.
5. When your items are accepted your part is done. You leave your items with Linda or Cathy. They will NOT be put out on the shelves at that time. We would not be able to sell them as they would not yet be entered into the computer system.
6. Linda or Cathy will then have to enter the inventory into our computer system which will occur within 1 to 3 days.
7. Shop volunteers will then put your consigned items in the shop and display them appropriately.

If you need to remove items or change prices on items, you will also need to make an appointment and similar steps to those above will be taken.

This summer we are advertising and working to drive business into the shop to help keep your items selling over the summer and we appreciate your help in continuing to consign your jewelry and other gem and mineral creations!

Thank you for working with us during the implementation of our new and improved sales system!

Cathy Viney

LAKE HAVASU GEM & MINERAL SOCIETY
Lake Havasu Mineral & Lapidary Group
April 13, 2018
Havasu Rocks 2186 McColloch Blvd #B
Lake Havasu City, AZ 86403

Board Members in attendance:

Linda Harley – President	Hank Smedley – Past President
Michelle Smedley - Treasurer	Helen Reyes - 1nd year Director
Gayle Wilson – Secretary	Cathy Viney – Director of Operations – Havasu Rocks
Kathy Padilla Directors of Operations, Havasu Rocks	Gayle Gilpin- 3 rd year Director

34 members and 3 guests attended the meeting.

The meeting was called to order at 7:03pm by Linda Harley.

Flag Salute- Linda Harley led the club in the Pledge of Allegiance.

Linda Harley asked and received approval of minutes. Minutes were published in the most recent Rocky Tales newsletter.

Treasurer’s Report: Michelle presented figures for both organizations. Reports will be filed.

Membership: Gayle Gilpin reports 20 new members with a total of 370. 34 members and 3 guests attended the meeting.

Cathy Viney is working on updating waivers for field trip attendees and members working in the workshop. The 2019 consignment contract will be updated to encourage volunteers for the store. The board voted in their meeting to advertise in the upcoming summer and winter visitor’s guide as we received so much attention from the story on Havasu Rocks published in last year’s winter guide.

Old Business: Kathy Bryson is updating our Square by adding consignors inventory to streamline the checkout procedure and cashier duties.

New Business: THANK YOU to Edith Walden for her generous donation of a large TV for the shop that will be utilized for presentations. Extended hours are scheduled for the Desert Storm event 4/19. Fall/Winter plans include a yard sale- save your stuff! A chili cookoff- so practice your cooking skills, and “Cab of the Month” member contest beginning in September. Voted on by meeting attendees with recognition for the month- a great way to show off your skills.

The program for this meeting was presented by Trixie Anders, a Volcanologist and her harrowing account of her flight from Mount St. Helens as it erupted. Thank you for a brilliant presentation of this tragic and historic event. She really put us at the scene.

Rock N’ Egg Breakfast is April 23rd at 9AM, Golden Corral

Door Prizes and raffles were awarded.

Meeting adjourned at 8:42 PM

Minutes prepared by Secretary, Gayle Wilson

Kids Events!

Kathy Padilla has lead two successful kids events in April and she is planning many more. If you have any ideas or would like to help, please call her at 480-326-7469. As Linda Harley stated in the President’s Message “it’s important to pass the “bug” along to the next generation” and the kids love it. Public outreach is fun and rewarding too!

Sunset Crater Campout

May 30 – June 4, 2018

Sunset Crater is a cinder cone located north of Flagstaff. The crater is within the Sunset Crater Volcano National Monument. It is the youngest in a string of volcanoes (the San Francisco volcanic field) that is related to the nearby San Francisco Peaks. The date of the eruptions that formed the 340-meter-high cone (1,120 ft) was initially derived from tree-ring dates, suggesting the eruption began between the growing seasons of A.D. 1064–1065. However, more recent geologic and archaeological evidence places the eruption around A.D. 1085. The largest vent of the eruption, Sunset Crater itself, was the source of the Bonito and Kana-a lava flows. The eruptions forced the temporary abandonment of settlements of the local Sinagua people. The volcano has partially revegetated, with pines and wildflowers. Since the last eruption of the volcano is a recent occurrence, it is considered dormant by volcanologists.



From May 30 - June 4, I will be in the Bonito Campground willing to lead any members on daily excursions to the Grey Mountain area where you will find a variety of rocks i.e. Petrified Wood and Jaspers. Another area is the Chocolate falls where you will walk in the Little Colorado River see its drop and turn North to meet the Colorado before venturing into the Grand Canyon. Joseph City is also a promising collecting site. Other areas of interest is the Sunset Crater National Park where you can explore the Wupatki and Wukoki National Monuments. Walnut Canyon is another Native American Ruin that is close by. To the West is also the Museum of Northern Arizona! Finally, I want to visit the Flagstaff Gem Club's gem show. They support our program and I am hopeful by visiting we will encourage their members to continue to support our program. I always learn about materials from this other by visiting and talking with the local vendors. We will be in a conifer tree environment. It will be cooler than Havasu!



There is no set itinerary, we will talk each day and make decisions on what we want to do. We will stay at the Bonito Campground that is located North of Flagstaff....

Directions: Take the 40 FWY to Flagstaff and turn left at exit 201. The 40 will dead end at HWY. 89, turn right. Follow the 89 for 10 miles and turn right at the top of the hill just after the Sunset Crater sign. Before you enter the Park, turn Left into the Bonito campground. They have water and flush toilets. The cost is \$10/ night for seniors with the NP Sr card. You may stay in a camper, tent camp, or outside the park in a motel.

Please let me know, by email, if you plan on participating.

There are local groups that will take you on a two day trip for \$196, but you get my guidance for a simple Thank You! Hope to see you there. This is the last trip sponsored by the Club for the Summer!

Barry Bandaruk

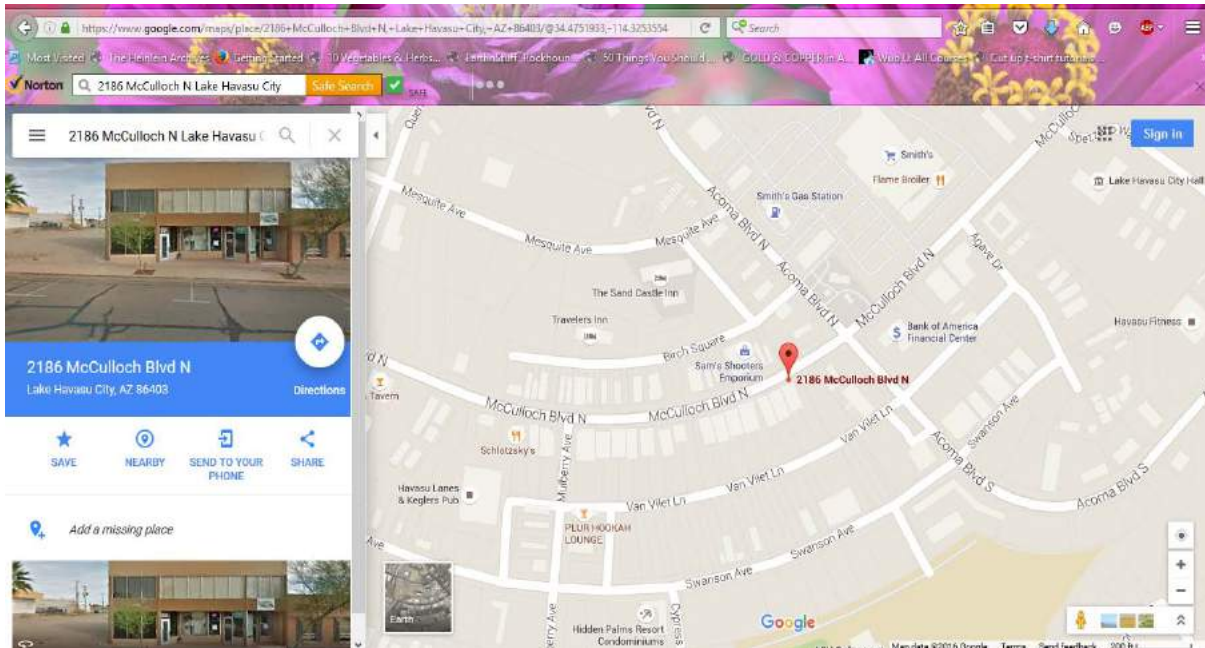


20 facts you may not have known about Lava

1. Lava wasn't called lava until Mount Vesuvius erupted in 1737. Francesco Serao used the word, derived from *labes* ("fall" or "slide" in Latin), to compare the hot ooze on the volcano's slopes to mudslides after a heavy rain.
2. Lava is magma that has erupted above the planet's surface. The most common variety of molten rock, either above ground or below, is basalt.
3. Basaltic lava the world over is classified with the Hawaiian words *a'a* or *pahoehoe* based on consistency. *Pahoehoe* tends to spread slowly — imagine cake batter poured into the center of a pan.
4. *A'a* lava, on the other hand, often advances erratically, including occasional sudden surges. The same eruption of lava can switch from *pahoehoe* to *a'a*, depending on factors such as thickness and how fast it's cooling.
5. Be glad other types of lava aren't as common. Both andesitic and rhyolitic magma have higher gas content and erupt much more explosively than basaltic.
6. The supervolcano beneath Yellowstone has rhyolitic magma, which tends to erupt catastrophically. Some good news: Geophysicists put the chance of it blowing in any given year at 1 in 700,000.
7. Some bad news: In 2015 researchers discovered Yellowstone has even more magma than we thought. Beneath the previously known magma chamber, there's a second, larger reservoir with enough hot goo to fill the Grand Canyon 11.2 times.
8. Lava can be typed by chemical signature as well. Basaltic lava is mafic, an abbreviation of two of its prevalent elements, magnesium and ferrum, derived from the Latin word for iron.
9. Rhyolitic lava is felsic; the name is derived from feldspar and silica, which are present in high concentrations. Intermediate lavas, including andesitic, fall somewhere in between.
10. One kind of lava you really don't want to deal with is corium lava. During a nuclear meltdown, uranium dioxide fuel, fuel rod components and even the reactor become superheated — as much as 3,600 degrees Fahrenheit — and melt together to form corium, which can eat through containment systems.
11. Although technically not lava, corium mimics its movement. The Elephant's Foot, a highly radioactive corium glob that formed beneath the Chernobyl reactor during the 1986 disaster, looks remarkably like a cooled basaltic flow.
12. "Blue lava" is also not lava. The vivid electric-blue color of flows down the side of Indonesian volcano Kawah Ijen is actually caused by sulfuric gas released at the same time as plain-old basaltic lava.
13. The color of real lava is instructive, however. The lighter the color, the more fluid the lava: Bright orange indicates temperatures at 1,000 degrees Celsius and higher, while dark red is a comparatively cool 650 to 800 C.
14. Nearly black natrocarbonatite lava is an exception. It's found in just one spot: Tanzania's Oldoinyo Lengai volcano. The sodium-enriched lava is still fluid at just 540 C.
15. When completely cool, natrocarbonatite lava turns silvery, creating an otherworldly landscape around the volcano.
16. Our solar system's largest volcano, Mars' Olympus Mons, is composed of layers of ancient eruptions of basaltic lava. At about three times the height of Mount Everest, that's a lot of lava.
17. Jupiter's moon Io continues to spew massive fountains of hot lava. In August 2013, during a two-week period of intense activity, curtains of lava gushed from fissures hundreds of miles long.
18. Further afield, things get even hotter. Astronomers have identified at least four exoplanets, including Kepler-78b, likely covered in lava.
19. Earth was also awash with lava once, in our planet's early days. In 2013 researchers suggested that these lava oceans were layered by density. Outer layers of lava and crystallized rock insulated deeper, superdense magma that remained hot for much longer than originally thought.
20. Did lava kill the dinosaurs? Maybe. About 65 million years ago, a massive basaltic lava flow covered much of India. The eruptions that created the flow released enough toxic gas to off T. rex and company, and may have been triggered by the asteroid that smacked into the other side of the planet at roughly the same time.

<http://discovermagazine.com/2015/dec/20-20-things-you-didnt-know-about-lava>

Shop & Meeting location
AMPLE PARKING IN BACK PARKING LOT!!



Upcoming Rock & Gem Shows

May 2018

5-6—KINGMAN, ARIZONA: Annual show; Mohave County Gemstoners, Kingman Academy of Learning, high school gym; 3420 N. Burbank; Sat. 9-5, Sun. 9-4; Free Admission; Kids activities, silent auctions, Educational displays, rock and mineral dealers and displays, Jewelry and Gemstones for sale, along with mineral specimens, petrified wood and fossils, cabachons, slabs, cuttable stones, rock art and carvings, door prizes, food and fun. Play stump the geologist.; contact Ed Huskinson, 4804 Steinke Dr., Kingman, AZ 86409, (928)-757-8228; e-mail: huskye86401@gmail.com; Web site: www.gemstoners.org

June 2018

1-3—FLAGSTAFF, ARIZONA: Annual show; Coconino Lapidary Club, Silver Saddle Outdoor Market; 9001 US-89 N, Hwy. 89 N and Silver Saddle Road; Fri. 9-5, Sat. 9-5, Sun. 9-4; Free Admission; We have a large kids zone, with lots of things to do. Raffle drawings and rocks, minerals, fossil, gems, jewelry and other items for sale.; contact Wayne Scott, Flagstaff, AZ, (928)-607-3185; e-mail: coconinolapidaryclub@gmail.com; Web site: flagstaffmineralandrock.org

July 2018

7-8—PINETOP, ARIZONA: Annual show; White Mountain Gem & Mineral Club, Hon-Dah Casino & Resort; 777 Highway 260; Sat. 9-6, Sun. 10-4; Admission \$2; 21st Gem and Mineral Show in an indoor facility. Included will be vendors, displays, raffles, kids activities, jewelry, minerals, and fossils. ; contact Gary Alves, PO Box 3504, Show Low, AZ 85902, (575)-495-0242; e-mail: garyalves.chairman@gmail.com; Web site: www.whitemountain-azrockclub.org

August 2018

3-5—PRESCOTT VALLEY, ARIZONA: Show and sale; Prescott Gem & Mineral Club, Prescott Valley Event Center; 1301 Main St; Fri. 9-5, Sat. 9-5, Sun. 9-4; Adults \$5, Seniors/Students \$4, Children under 12 free w/ paid adult; 15th Annual Prescott Gem & Mineral Show/Sale Vendors with a large variety of Gem & Mineral related products. Vendors will feature fine mineral specimens, crystals, gemstones, jewelry, beads, fossils, meteorites, lapidary equipment, tools, findings and much more. Demonstrations on wire wrapping, Genie equipment, geode splitting, gold panning and more. Junior rock hound area will exhibit their collection of minerals. Also a spinning wheel to win samples of minerals they have collected. Raffle ticket will be given for each paid admission to win valuable prizes. Fluorescent Rock & Mineral tent where you can see what a plain looking rock looks like under black light. Exhibit cases from our members will be available for viewing. The Event Center is located on the corner of Glassford Hill Rd. & Florentine. Free Parking.; contact Melanie Capps, 7485 E. Horizon Way, Prescott Valley, AZ 86315, (208)-818-2363; e-mail: melaniecapps123@gmail.com; Web site: www.prescottgemmineral.org

HAPPY BIRTHDAY

May

Scott Abrams	Ber Jackson
Barry Bandaruk	Connie Lano
John Batterton	Debi Malli
Robert Casserly	Dennis Newbeck
Peggy Claeys	Kathy Oswald
Patrick Conolly	Ella Palmquist
Chet Erickson	Deanna Rudd
Michael Erland	Dan Springer
Manfred Frisch	Chris Sutherland
Linda Gauthun	Dave Swinson
Daniel Hanes	Michele Trumbull
Sergi Heideman	Leslie Walker
Ed Huskinson	Richard Walker

HAPPY ANNIVERSARY

May

Curt & Kathy Clark
Stan & Willie Droegemeier
Mike Guelff
Harry & Sheral Henning
Tony & Kelly Jarvis
Beryl & Linda Kornoely
Jon & Kristal Norman
Shawn & Bonnie Reynolds
Tom & Irene Rose

WORKSHOPS AT HAVASU ROCKS

You can check the class schedule
online [here](#).

Lapidary Shop Use:

- Members: \$8 For half day = 4 hours
- Members Hourly Rate \$3 per hour
- Saw use is included in fees for those who have taken saw use and safety class
- Members who have volunteered 8 hours are then entitled to 4 hours of lap shop use.
- We do need trained Lapidary Shop Monitors!
- Please call the shop before you come in to use the shop to verify there is no class using The Lapidary Shop during the time you wish to do personal project.
- Anyone who uses the shop must have signed a liability waiver. Ask about it at the reception desk when you sign in to use the shop.

Havasu Rocks Parking

Havasu Rocks has parking in the rear of the shop with a convenient rear entrance. Since we have very limited parking in the front of the shop, we ask if you are returning to Havasu rocks for shopping, lap work, volunteering or socializing to please park in the back to leave the available parking in front for our first-time visitors. If you have any questions, please let us know!



**LAKE HAVASU GEM & MINERAL SOCIETY
P.O. BOX 990
LAKE HAVASU CITY, AZ 86405**