



ROCKY TALES

Volume 43, Issue 3

March 2017

LAKE HAVASU GEM & MINERAL SOCIETY

The Official Publication of The Lake Havasu Gem & Mineral Society

Editor: Susan Sease

BOARD MEETING
March.8th, 5:30 pm
Lake Havasu Gem &
Mineral Lapidary Shop
2186 McCulloch Blvd #B

GENERAL MEETING

March. 10th!

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.

**Rock & Egg
Breakfast**
**4th Monday each
month**
9:00 a.m.
At
Golden Corral

Inside This Issue:

Lake Havasu Gem & Mineral Society Information	Page 2
President's Message	Page 3
LHGMS General Membership Meeting Minutes	Page 4
LHMLG General Membership Meeting Minutes	Page 6
2017 RMFMS CONVENTION and SHOW	Page 8
Mineral Fun Fact	Page 9
February Field Trips	Page 10
Havasu Rocks Updates	Page 12
Havasu Rocks Workshops	Page 13
Birthdays and Anniversaries	Page 16

Havasu Rocks is providing **Springtime Pancake Breakfast!**

9:00 am, Monday March 13th at Havasu Rocks



We will be serving pancakes, scrambled eggs, bacon and/or sausage, toast and coffee.
We need to borrow buffet steam warming trays, electric skillets and griddles.

If you have something we can use, please contact Linda Harley at 417-880-2018.

We look forward to seeing you there!

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 - \$8.00
 Single membership cost - \$16.00
 Family sponsored Junior membership cost - \$8.00
 Family membership cost - \$16.00 for the first member and \$8.00 for each member thereafter with a maximum of \$25.00.

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

Hank Smedley	President
Linda Harley	Vice President
Kathie Bryson	Secretary
Carol Lasater	Treasurer
Ed Darnell	Sgt at Arms
Patrick Bell	First Year Director
Gayle Gilpin	Second Year Director
Carol Jose	Third Year Director
Barry Bandaruk	Past President
Michelle Smedley	Director of Operations Havasu Rocks

COMMITTEES

Club Promotion	Open	Gayle Gilpin
Communications	Susan Sease Bruce Wilhelm	Secretary Kathie Bryson
Education	Open	Patrick Bell
Facilities	Open	Ed Darnell
Field Trips	Open	Kathie & Steve Bryson
Finance	Open	Carol Lasater
Fund Raisers	Open	
Gem Show	Barry Bandaruk	
Greeters	Edith Walden	Gayle Gilpin
Hospitality	Helen Reyes Kathy Padilla	Ed Darnell
Property	Open	Carol Jose

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

aredtigress@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--

I hope February was a good month for everyone. Things have been progressing well at the shop and store. This past month we partitioned out a multipurpose classroom in the rear of the store for silversmithing, wire wrapping and other activities. Let me send out a huge thank you to everyone who showed up and put the classroom together in a weekend. The new space gave us a much needed area for workshops.

We are now offering workshops in: lapidary, wire wrapping, silversmithing, dowsing, quartz crystal configurations, and gemstones and color: role of gemstones and colors in self healing techniques. Come on down and sign up for one of the workshops.

This past month, a spin casting machine was donated that will greatly expand our capabilities. So here is a shout out for a little help. If you have experience in spin casting metal, come on in and take a look at what we have and let us know what we need to get this thing up and running.

All in all it has been a good productive month. To keep the work shop and store open, we are in need of instructors, shop monitors and retail volunteers. It's critical that all club members donate some of their time to help keep things running.

We had a great silent auction at our last meeting; we brought in over \$250. Our budget was emailed to all members for review, we will be voting on it at the next meeting. Our membership stands at over 330 members, a large increase since this time last year. We are looking for your suggestions to make our club better. If you have a suggestion, let a board member know, and be ready to help implement it.

We had a number of good field trips this past month; we took some new paths and found some exciting new material. We have an outstanding trip coming up that you have already received email on. That is the Burro Creek camp out March 16 – 20. A large area has been reserved at the Burro Creek Campground. If you want to camp with the club, there is room for 15 vehicles. You need to reply to the email so your spot can be reserved. If we fill the reserved space, the cost will probably work out to be less than one night at the normal price.

One last thing, a special thank you to the members who have faithfully volunteered their time to run the activities, manage our operations, and keep our new facility running. Without you it wouldn't be possible.

LAKE HAVASU GEM & MINERAL SOCIETY

Minutes - General Meeting

February 10, 2017

Havasu Rocks

2186 McCulloch Blvd Unit B

Lake Havasu City, AZ 86403

Members present: 73

Guests present: 1

Club President, Hank Smedley called the meeting to order at 7:02 pm.

Flag Salute - Sergeant-at-Arms, Ed Darnell led the club in the Pledge of Allegiance.

Secretary's Minutes – The minutes for the general meeting for the LHGMS & LHMLG were published in the most recent edition of the *Rocky Tales* newsletter. Kathie Bryson, Secretary, asked if there were any corrections or changes needed to the minutes. No changes were requested. A motion was made to accept the minutes. The motion was seconded and passed. The minutes will be accepted as read.

Treasurer's Report –Treasurer, Carol Lasater read the Treasurer's reports for Jan 2017, for both the LHGMS & the LHMLG. The Treasurer's reports will be filed for review.

Budget – Hank told the membership that the board has approved the proposed Budget for 2017. Hank went over the budget information with the membership. The budget will be published in the next edition of the Rocky Tales newsletter and the membership will vote on it's approval at our next General Meeting.

Director and Committee Reports -

2nd Year Director, Gayle Gilpin (Membership & club promotion)

Gayle stated that we received membership applications from 23 individuals since our last meeting. Our membership now totals 355. Membership Dues for 2017 are due no later than February 22nd. Hank commented that we are now getting about 1 new member every day that we are open, and it appears that we are out growing our space already.

Old Business - Sgt-at-arms, Ed Darnell - Winterfest is Saturday (tomorrow) and Sunday. We are fortunate to have our store located in this section of McCulloch Blvd, as we no longer need to arrange for a booth in the street. We will be able to show-off our store. We should be very busy and need volunteers to help out. Please just come in Saturday or Sunday to help.

New Business - Volunteers in Shop & Store – Hank informed the members that we are needing Shop Monitors badly. It's not a hard job. You just need to watch people to make sure they are using the equipment correctly. Each shift is only 4 hours. We also need volunteers for store attendants up front. Please volunteer to help out. Remember, this is your club and we need your help to keep it running.

Silversmithing – Hank informed the members that we are now ready for our Silversmithing classes. All of our equipment has come in and we completed building a class area up front last weekend. You can sign-up at the front desk.

Suggestions for offerings at the shop – Hank asked the membership what they wanted to see offered at the shop or by the club. The following suggestions and responses were made:

- Evening or weekend classes – Hank will schedule a Saturday lapidary class
- Weekend field trips – most field trips are on Sundays.
- An email to remind a member when their dues are expiring – Gayle stated that each member is given a membership card/receipt when dues are paid. The expiration date is written on that card.

The business meeting was adjourned at 8:20 pm.

Submitted by Kathie Bryson, Secretary

Help Needed!!!

Havasu Rocks needs your help.

Our early success means we need your help to continue to "be a place to be" in Havasu.

With over 350 members in our club, we are confident one or more of you have the skills to help out in the following areas:

Shop Monitors - shifts are 3 1/2 hours each, training is provided. Shop monitors oversee the Lapidary shop.

Retail Volunteers - shifts are 3/12 hours each, training is provided. There is always a Team Lead on shift.

Shift sign up for both positions are done through SignUp.com.

[Click here](#) to go to the calendar and sign up!

Volunteering is fun and a good way to meet other people

with the same passion as you.

LAKE HAVASU MINERAL & LAPIDARY GROUP

Minutes - General Meeting

February 10, 2017

Havasu Rocks

2186 McCulloch Blvd Unit B

Lake Havasu City, AZ 86403

Members present: 73

Guests present: 1

Club President, Hank Smedley called the meeting to order at 7:02 pm.

Flag Salute - Sergeant-at-Arms, Ed Darnell led the club in the Pledge of Allegiance.

Secretary's Minutes – The minutes for the general meeting for the LHGMS & LHMLG were published in the most recent edition of the *Rocky Tales* newsletter. Kathie Bryson, Secretary, asked if there were any corrections or changes needed to the minutes. No changes were requested. A motion was made to accept the minutes. The motion was seconded and passed. The minutes will be accepted as read.

Treasurer's Report –

Treasurer, Carol Lasater read the Treasurer's reports for Jan 2017, for both the LHGMS & the LHMLG. The Treasurer's reports will be filed for review.

Budget –

Hank told the membership that the board has approved the proposed Budget for 2017. Hank went over the budget information with the membership. The budget will be published in the next edition of the *Rocky Tales* newsletter and the membership will vote on it's approval at our next General Meeting.

Director and Committee Reports -

2nd Year Director, Gayle Gilpin (Membership & club promotion)

- Gayle stated that we received membership applications from 23 individuals since our last meeting. Our membership now totals 355. Membership Dues for 2017 are due no later than February 22nd. Hank commented that we are now getting about 1 new member every day that we are open, and it appears that we are out growing our space already.

Old Business -

- Sgt-at-arms, Ed Darnell - Winterfest is Saturday (tomorrow) and Sunday. We are fortunate to have our store located in this section of McCulloch Blvd, as we no longer need to arrange for a booth in the street. We will be able to show-off our store. We should be very busy and need volunteers to help out. Please just come in Saturday or Sunday to help.

New Business -

- Volunteers in Shop & Store – Hank informed the members that we are needing Shop Monitors badly. It's not a hard job. You just need to watch people to make sure they are using the equipment correctly. Each shift is only 4 hours. We also need volunteers for store attendants up front. Please volunteer to help out. Remember, this is your club and we need your help to keep it running.

(LHMLG minutes continued)

Workshop development – Silversmithing

Hank informed the membership that the Fire Marshall came by the shop today to talk with him about holding Silversmithing Workshops at Havasu Rocks. We got the approval to proceed. We will be using special butane torches rather than acetylene. The butane torches are more affordable. We are planning to begin the worrkshops in February.

Barry stated that if any members have silversmithing tools/equipment that they are no longer using, they are welcome to donate them to the club.

Winterfest - The 32nd annual Winterfest street fair is scheduled for February 11th (9:00-5:00) & the 12th (9:00-4:00). It takes place on McCulloch Blvd from Smoketree to Acoma. We will have tables out front on the sidewalk. We are looking for volunteers to help out. Ed will place a sign up sheet in the kitchen area.

The business meeting was adjourned at 9:14 pm.

Submitted by Kathie Bryson, Secretary

Pictures from the February General Meeting and Club members bidding on the Silent Auction





Albuquerque Gem and Mineral Club

P.O. Box 13718
Albuquerque, NM 87192-3718

www.agmc.info

Greeting All,

My name is Bob Regner and I am currently President of the Albuquerque Gem and Mineral Club (AGMC) and the RMFMS Convention Chair for the 2017 convention. In 2017 the AGMC will be hosting the annual RMFMS convention here in Albuquerque. I would like to invite and welcome every club in the Rocky Mountain Federation to send delegates to this years convention. We are working hard to make this a great and memorable convention/vacation for all attendees.

We are planning several activities to go along with the convention to include some speakers and several field trips. These trips will be limited to registered guests at the convention and their immediate families. The claim owners of the Blanchard mines have graciously agreed to allow a private trip there lead by our own Ray DeMark. This trip will be held the day after the convention, Monday March 20th. If you have never been, believe me it will be worth staying the extra day. If you are interested in going on this trip, please bring your tools including hard hat and mining lamp. I am working on a Sunday trip to go to a mine known as Nacimiento. This mines dump piles are scheduled to be covered by this time next year so this may be your last chance to collect here. If you do not know what minerals come from these locations, please look them up and I believe you will want to go on both of these trips.

The convention coincides with our annual Treasures of the Earth Show. I have been told by quite a few of our vendors that this is one of the best shows that they attend every year. I am guessing it must be true since there is a 4 year waiting period and a very high retention rate on our vendors. We have a great crew that makes it great show every year.

Watch future newsletters for information on the entire convention packet which will be on our website: www.agmc.info. After downloading, fill it out and return it to us right away. I am hoping that when the convention is over that you will all have great memories and will be happy that you came to it. Please feel free to contact me if you have any questions and I look forward to seeing every one of you.

Bob Regner

President AGMC
president@agmc.info



Member of
the Rocky Mountain Federation of Mineral Societies
and
the American Federation of Mineral Societies



Mineral Fun Facts – Burro Creek Agate & Jasper

The LHGMS is having a rock hunting outing to the Burro Creek area March 16-20th. This area is public land managed by the BLM and is popular for collecting patterned jaspers, agate, obsidian, purple chalcedony, opal with dendrite inclusions, and pink pastelite. Burro Creek is deep in the Sonora Desert with signs of geothermal activity and possible faulting and most of the rocks in this are mapped as volcanics.

For those members who, like myself, are new to rock collecting, I thought I would try to explain the difference between agate and jasper. Here is what is taken from the Rocktumbler.com on what is Agate, Jasper & Chalcedony.

Both jasper and agate are a form of chalcedony and chalcedony is a form of quartz. Quartz is a mineral composed of silicon and oxygen (SiO₂), chalcedony is microcrystalline quartz. That means that the quartz is in the form of crystals that are smaller than 30 microns in size (a micron is a unit of measure that is 1/1000th of a millimeter). These are very tiny quartz crystals - smaller than can be seen by the unaided eye. (Sometimes the word "cryptocrystalline" is used instead of "microcrystalline.")

Many agates form in areas of volcanic activity where waters, rich in dissolved silica (SiO₂), flow through fractures and cavities in igneous rocks. When the solution is highly concentrated with dissolved silica, a silica gel can form on the walls of these cavities. That gel will slowly crystallize to form microcrystalline quartz. Over time, additional layers of gel are deposited and these form younger bands of microcrystalline quartz on the walls of the cavity. If the dissolved mineral composition of the silica-rich water changes over time, impurities (elements other than silicon and oxygen) can be incorporated into the gel and into the microcrystalline quartz. These impurities can alter the color of the microcrystalline quartz. This can produce the color banding, plumes or moss that are often seen in translucent agate. Although agates typically form in igneous rocks such as basalt, rhyolite, and andesite, they can also form in sedimentary rocks such as limestone. All of these types of rock are more susceptible to weathering than agate. So when the rocks are eventually broken down by weathering, the durable agates will remain. This is why agate nodules are often found in stream valleys that cut through fine-grained igneous rocks or limestone.

Jasper is an opaque variety of chalcedony. Neither light nor images pass through. Microcrystalline quartz in its pure form is semitransparent. When a small amount of impurities or foreign materials are added, the color of the microcrystalline quartz changes and its ability to transmit light decreases. Jasper contains enough impurities and foreign material to render it opaque. So, the real difference between jasper and agate is the amount of impurities and foreign material contained with a specimen. While agate is typically a material that forms in the cavities of an igneous rock or limestone, jasper forms when fine particulate materials are cemented by silica. This often occurs in soft sediments when silica precipitates and cements them into a solid mass. These included particulates are what give jasper its color and opacity. A sedimentary material known as chert forms in extensive bedded deposits, and as an opaque variety of chalcedony it receives the name "jasper." Jaspers are also known to form when volcanic ash is cemented into a solid material from the precipitation of silica from solution.

Sources:

<http://rocktumbler.com/blog/what-is-agate-jasper-chalcedony/>

http://www.minerals.net/gemstone/jasper_gemstone.aspx

<http://rockhoundblog.com/regular-postings/rockhounding-for-arizona-fire-agate-burro-creek-and-the-colorado-river-western-arizona/>

HAVASU ROCKS UPDATES

We continue to be busy at Havasu Rocks. Activity in the Lapidary shop is increasing, we have new workshops to offer and customers are loving the store! Many, many thanks to all of you who have jumped in to help out in so many aspects, we couldn't have done this without each club members' support.

Many members have stopped by to say hi, stayed to visit with other members and customers. This is your club home, if you haven't stopped by yet, please do!!

With 4 Lapidary workshops a week in the workshop and limited Shop Monitors, available lab times can vary.

We are now asking that you call before accessing the Lapidary Shop. The phone number is 928-733-6270.

Members' enthusiasm for our place and all the things we can do to make it better has been amazing. We now have a "clearinghouse" system for suggestions, comments and complaints. A club member will compile, respond and review all messages with the Store Operations Director. This will serve to keep all suggestions, comments and complaints from falling thru the cracks. Please address your message to havasurocksaz@gmail.com with the word "Clearinghouse" in the subject line. We are all volunteers, it may take a couple of days to address your message, thanks in advance for understanding.

Our early success means we need your help to continue to "be a place to be" in Havasu. With over 350 members in our club, we are confident one or more of you have the skills to help out in the following areas:

Shop Monitors - shifts are 3 1/2 hours each, training is provided. Shop monitors oversee the Lapidary shop.

Retail Volunteers - shifts are 3/12 hours each, training is provided. There is always a Team Lead on shift.

Shift sign up for both positions are done through SignUp.com. [Click here](#) to go to the calendar and sign up!

Window Treatment - we have several strings of lights to be mounted around the front store windows. This can be done anytime the store is open.

Marketing - There are many great ideas for marketing Havasu Rocks, all we need is you to get them started.

Build a Retail Website - We have a Go Daddy account, which provides templates and customer support. A fun project for a detail oriented member.

Together we will continue to shape a club home, lapidary shop, store, community place and more to be proud of, thanks again for all your support.

MARCH WORKSHOPS AT HAVASU ROCKS

We ask that you pre-register and pre-pay for workshops.
Workshop that begin Feb 7th & 8th, please call 510-872-7070
You can check the class schedule online [here](#).

INTRO TO LAPIDARY & CABOCHON DESIGN

\$60 Members
\$75 Non-members

4 Classes to choose from, each one repeats the same day of the week for four weeks:

March 7 - 28, 10:00 am - 2:00 pm
March 7 - 28, 2:00 pm -6:00 pm
March 8 - 28, 10:00 am - 2:00 pm
March 9 - 30, 10:00 am - 2:00pm

Instructors Hank Smedley & Jack Hodges
LHGMS Members

BASICS OF WIRE WRAPPING - One Day Workshop

\$40 Members
\$55 Non Members

March 25, 11:00 am - 3:30 pm

*Learn the basics of wire; including types, gauges & tempers. You will be introduced to basic design and execution of a border wrap on a cabochon. Learn how to wrap a basic shape and take home your creation.

*Wire, cabochons and tools provided. Jewelry tools are available for purchase.

Instructor Michelle Smedley, LHGMS Member

BASICS OF WIRE WRAPPING II ONE DAY WORKSHOP

\$40 Members
\$55 Non-members

One Day
March 15, 1:00 pm – 5:30 pm

*We will review the basics of wire (temper, gauge and type) and constructing a basic border wrap. You will then learn basic design techniques and apply them in the workshop.

*Wire, cabochons and tools provided. Jewelry tools are available for purchase.

Instructor Michelle Smedley, LHGMS Member

SILVERSMITH WORKSHOPS

\$60 Members
\$75 Non-members

SATURDAYS March 4th & 11th
9:00 AM -1:00 PM

*In this workshop, you will learn about the different types of metals and how to determine what gauge to use. This is for the basics of silversmithing where you will learn design, soldering and use of a torch and then apply your new skills to make your own jewelry.

*Limit of 4 people

* Fee includes everything needed for your first project. Can bring your own cabochon (oval no larger than 30x22 mm), if desired.

Instructors: Linda Harley & Ellie North

Havasu Rocks classes takes your rock finds from rough to beautiful jewelry!

Come take a class and see how much fun it is!



Lapidary & Cabochon Design



Wire Wrapping



Silversmithing

Quartz Crystal Configurations - One Day Workshop

March 28th, Wednesday 2pm - 4 pm
\$30.00

Explore the unique nature of Quartz. Crystals are formed in the earth and tend to organize into 7 specific systems that determine the shapes of the crystals within their mineral families. Within the quartz family there are also a variety of configurations (combinations of termination faces- their alignment and shape) that further describe their unique qualities- some people call these personalities.

In this class we will explore these personalities and examine crystal samples of most of these special configurations. Find out what the metaphysical meaning are for these configurations or personalities so you can spot them when you shop for crystals.

Handouts will be provided. Min 4 people, max 8 people

Renee Good, Crystal Teacher & LHGMS member

Dowsing Workshop - One Day Workshop

Thursday March 30th 2p -4 pm
\$25.00
Min 4 people max 6 people

Learn the techniques and tools for dowsing.

*Map dowsing for minerals or water- learn how to create a grid to save time at the site. Gives you a starting point to dowse at site for pre selected locations. Pictures of site can be used also.

*Personal charts for vitamins, minerals, food, etc

*Body dowsing with muscle testing (kinesiology) and more...

Demonstration of rods, pendulums, bobbers and your own muscles. Bring your own tools or purchase a pendulum at the shop. Rods are available by request- need to know size you want- small (6-8in- good for small hands or children), medium (12-14in)or large(long-24in)

Handouts and sample charts will be provided.

Renee Good
(LHGMS member -water and energy dowser)



FIELD TRIPS

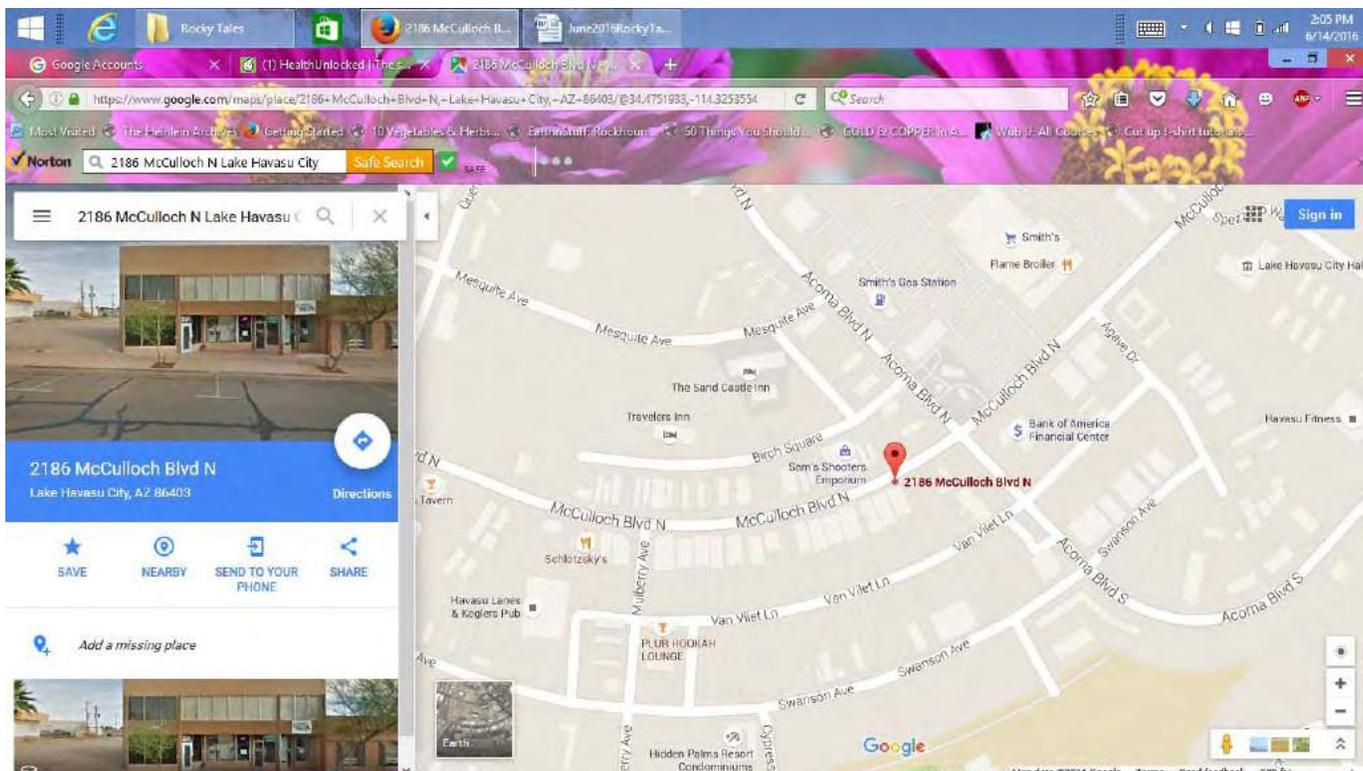
Pictures from February 6, February 19, February 20, & February 26th





Shop & Meeting location

AMPLE PARKING IN BACK PARKING LOT!!



HAPPY BIRTHDAY

March

Kathie Bryson

Ronald Nyberg

Jan Burke

Kay Rippentrop

Glenn Cook

Ron Rippentrop

Ed Darnell

Nan Russell

Susan Fisher

Hank Smedley

Jerry Harley

Andie Wascom

Dave Mack

Joseph Weldon

Eva McFadyen

Robin Wise

Bob Miller

Rudy Wolgast

Helen Milne

Kevin Wright

HAPPY ANNIVERSARY

March

Michael & Louise Ridenour

C & Nan Russell

Mike & Bev Schoenfuss

Nate Stellerine

Donna Wild



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