

MONROVIA ROCKHOUNDS

AUGUST 2016 NEWSLETTER

BOARD OF DIRECTORS

PRESIDENT: Jo Anna Ritchey

**VICE
PRESIDENT:** Thomas Witt

TREASURER: Jim Lloyd

SECRETARY: Coleen Chestnut



A WORD FROM THE PREZ

Our attendance is falling off. For you who missed the meeting you missed an interesting DVD showing Agates Close Up. This was an AFMS Award Winning DVD, and after watching it, I know why. The current Rock and Gem had an article by Lynn Verdon, Editor, who went to Wisconsin for an Agate Conference and came back with lots of beautiful pictures of agates. This DVD added more for our enjoyment.

I will have sign up sheets at our next (October) meeting for manning the MAFA booth on October 29-30-2016. We will have an EZUP and 3 tables. We plan to have the Treasury Table, Grab Bags, Rock Store. We will also have handouts about the MOROKS and MOROK Show fliers. It would help a lot if you would volunteer rather than having one of the Executive Board calling you. It should be lots of fun, and an additional way of publicizing our club.

I do not want to be a pessimist, but we need more participation if we don't want the MOROKS to be a going concern. It would be a real shame for a club that is over 50 years old to fold. If you have any ideas for an interesting program or activity, please let one of the Executive Board know. We are open to suggestions.

Jo Anna Ritchey, President

Mission Statement : Our Purpose is to promote popular interest and education in the earth sciences, including geology, mineralogy, paleontology, the lapidary arts, and related subjects; to sponsor and provide means of coordinating the work and efforts of persons and groups with similar interests; and by and through such means to strive toward greater community and international goodwill and fellow-ship. We also support promoting and ensuring the right of amateur hobby collecting, recreational rock hunting and the use of public and private lands for educational and recreational purposes related to the earth sciences. We are a registered 501 C 3 education non profit organization.

Affiliations & Accreditations: The Monrovia Rockhounds is affiliated with the California Federation of Mineralogical Societies, Inc. (CFMS), the American Federation of Mineralogical Societies (AFMS), and the American Lands Access Association (ALAA).

Membership: Dues are \$20.00 per member per year due by April 1st and \$10.00 per each additional member at the same address. Initiation Fee is \$10.00 per name per new member and includes membership packet and MOROK name badge.

Meetings: Meetings are held on the 3rd Thursday of each month. at 7:00 pm, in the basement of the United Methodist Church of Monrovia, located at 140 E. Palm Ave. Monrovia CA 91016. The building is on the corner of Ivy & Palm Ave. We use the door where there is handicapped access in the alley on the west side of the building. Do not try to enter from the front of the building. Guests are always welcome at our General Meetings. Please come and share our love of rocks.

Information: Monrovia Rock Hounds Inc. was founded August 28th, 1957. The club colors are green & white. The club is a non-profit organization dedicated to providing knowledge of the lapidary arts, geology, mineralogy, and other related fields. Members enjoy slide shows, lectures, demonstrations, displays, lapidary classes, as well as field trips for exploration, study and collecting specimens.

Newsletter: We reserve the right to edit all material submitted for publication. If you have any submissions for this newsletter or need to contact the editor Thomas Witt (760) 552-2404.

ROCK HOUNDING

Gems Just A Stone's Throw Away : Hunting Hard Rocks, Golden Opportunities

By BRIAN ALEXANDER

It's no longer easy to find a good rock. You go back to where you used to collect 20 years ago and there's a house on it. "I gave up field collecting around here because there's nothing left."

Will Estavillo, who is the curator of minerals for the San Diego Natural History Museum.

Collecting isn't exactly a thing of the past, though. The possibilities has greatly diminished for number of places for good rock hunting, but there are still a few left.

The easiest spot to look for rocks is the beach. That's the bright spot in the increasing rockiness of our shores. Because inland streams have been dammed, and because the drought further restricts the flow of water toward the coast, beach sand is not replenished and the sand already on the beaches is swept south by wave action. But although your feet may curse the stones that stay on the beach, your eyes can be treated to a tremendous variety of interesting, and sometimes semi-precious, rocks.

According to Estavillo, these are the stones brought to the county from Mexico so long ago. Some, like 1.5 billion-year-old quartzite, are among the oldest rocks on the continent. Others are young. Granite is a newcomer at 60 million years old.

There are some rockhounds that make a living collecting beach rocks. Carving them up into jewelry and selling them at art fairs. Even now, watching someone pick over rocks at the beach is like watching a baseball card collector in a room full of Mickey Mantle rookie cards.

The beaches contain at least half a dozen semi-precious forms of rock like jasper, agate, moonstone, quartz, gold (a metal), and garnet. Sometimes it is possible to find tiny diamonds among the sparkles.

September 6, 2016 Board Meeting of the Monrovia Rock Club

The September 6, 2016 Board Meeting of the Monrovia Rock Club was called to order at 2:04PM at the Ritchey's home in Monrovia.

Officers present were: Jo Anna Ritchey, president, Thomas Witt, Vice President, Jim Lloyd, treasurer, Colleen Chestnut, secretary.

Thomas said the program for the September 15th meeting will be a video on Agates. Jo Anna suggested that Thomas contact Jarupa, Tom Freeman (paper beads) or Becky Fregoso (wire wrapping) for future programs. Thomas had not contacted Marcus Look. Dr. Carter has not returned calls regarding a program. Jim Lloyd reported 25 paid members.

Shows:

1. MAFA Show--We could make Minions in a few minutes before the General Meeting for MAFA on October 29-30.

2. CFMS Show--September 15-18 in Placerville. Jo Anna asked Angie Guzman to pick up the MOROK packets if Michele Silcock is not present.

Our representative, Victor Castellano has not confirmed that he will be attending.

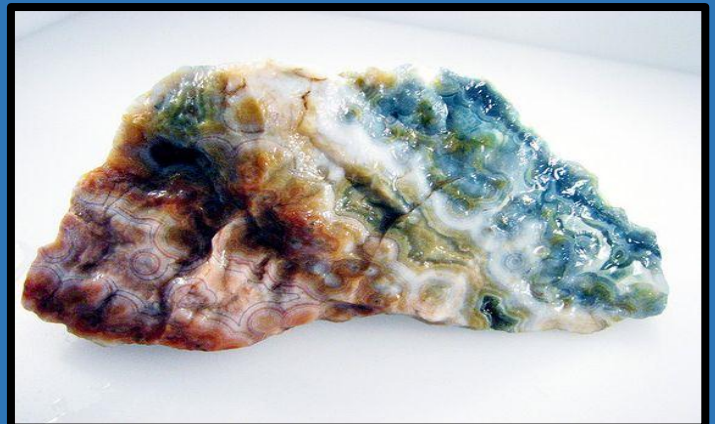
3. March 2017 Show--Contracts have been mailed to all vendors. Money has been received. Jim Lloyd is writing receipts.

Bulletin--Thomas Witt is doing a good job. For article and pictures for the bulletin he can use the Internet eg. I Rock, Crystal Ball, Mendet.

New Business--None

The meeting was adjourned at 2:45PM.

Colleen Chestnut
Secretary



Canyonlands National Park Upheaval Dome



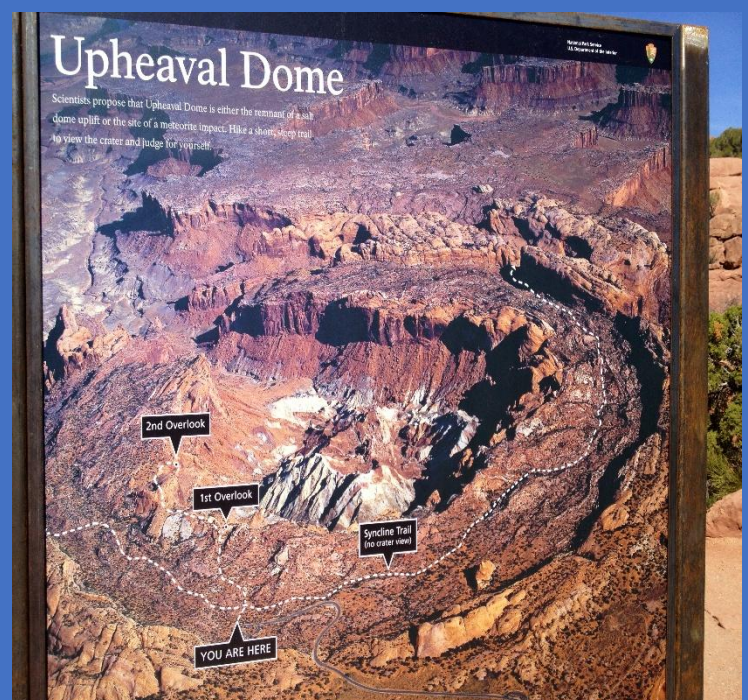
OCTOBER BIRTHSTONE

October has two birthstones; Tourmaline and Opal. Tourmaline is a favorite gemstone for many because it's available in a rainbow of beautiful colors. Opal gemstones are truly unique because each individual gem is adorned with a one-of-a-kind color combination



Upheaval Dome is quite a different story. In an area approximately three miles (5 km) across, rock layers are dramatically deformed. In the center, the rocks are pushed up into a circular structure called a dome, or an anticline. Surrounding this dome is a down warp in the rock layers called a syncline. What caused these folds at Upheaval Dome? Geologists do not know for sure, but there are two main theories which are hotly debated.

Continued on page 4



The September 15, 2016 General Meeting of the Monrovia Rock Club

The September 15, 2016 General Meeting of the Monrovia Rock Club was called to order at 7:10PM. Officers present were: Jo Anna Ritchey, president, Thomas Witt, vice president, Jim Lloyd, treasurers and Colleen Chestnut, secretary. The flag salute was led by Jo Anna Ritchey. Thomas said tonight's program will be an AFMS award winning DVD on Agates. October will be the silent auction. Treasurer, Jim, told us we have 25 paid members. Field Trip Chairman, Kevin Doran, passed out flyers and told us about the 75th Gem-O- Rama sponsored by the Searles Lake Gem and Mineral Society on October 8-9, 2016 in Trona, CA. Fellowship Chairman, Linda Doran, announced that we had 9 members and 1 guest present tonight. Show Chairman, Jo Anna Ritchey

1. March 2017 Show -- invitations have been sent out. Money has been received from 3 vendors.
2. CFMS Show is this weekend in Placerville, CA. No news from our representative, Victor Castellano so Angie Guzman will pick up the MOROK packets.
3. MAFA Show -- It is October 29-30, 2016. We plan to have the Treasure Wheel, grab bags, rock store and handouts regarding MOROKS. There will be show flyers also. Sign up sheets for both Saturday and Sunday will be at the October 20th General Meeting.

Bulletin Editor, Thomas Witt, will try to get more pictures and stories into future bulletins. Photographer, the position is open, but Thomas Witt will take photos next month at the silent auction. Auditor, Kevin Doran, is still working on the audit of the books.

New Business:
Fasano Rocks on Myrtle in Monrovia has very nice gifts. It is worth a visit.
Thank you to Janie Duncan for providing the refreshments and water for our meeting. Colleen Chestnut will bring refreshments for the October 20th meeting.
The meeting was adjourned at 7:22PM. We enjoyed the slide show of beautiful Agates.

Colleen Chestnut
Secretary
♣️🔪💎👨👩

Upheaval Dome, Canyonlands National Park, Utah

Salt Dome Theory

A thick layer of salt, formed by the evaporation of ancient landlocked seas, underlies much of southeastern Utah and Canyonlands National Park. When under pressure from thousands of feet of overlying rock, the salt can flow plastically, like ice moving at the bottom of a glacier. In addition, salt is less dense than sandstone. As a result, over millions of years salt can flow up through rock layers as a "salt bubble", rising to the surface and creating salt domes that deform the surrounding rock. When geologists first suggested that Upheaval Dome was the result of a salt dome, they believed the land form resulted from erosion of the rock layers above the dome itself. Recent research suggests that a salt bubble as well as the overlying rock have been entirely removed by erosion and the present surface of Upheaval Dome is the pinched off stem below the missing bubble. If true, Upheaval Dome would earn the distinction of being the most deeply eroded salt structure on earth.

Impact Crater Theory

When meteorites collide with the earth, they leave impact craters like the well-known one in Arizona. Some geologists estimate that roughly 60 million years ago, a meteorite with a diameter of approximately one-third of a mile hit at what is now the Upheaval Dome. The impact created a large explosion, sending dust and debris high into the atmosphere. The impact initially created an unstable crater that partially collapsed. As the area around Upheaval Dome reached an equilibrium, the rocks underground heaved upward to fill the void left by the impact. Erosion since the impact has washed away any meteorite debris, and now provides a glimpse into the interior of the impact crater, exposing rock layers once buried thousands of feet underground.

Upheaval Dome Today

Whatever the origin of Upheaval Dome, it is the result of erosion of a structural dome. Rock layers now at the surface within the dome were once buried at least a mile underground and are not visible anywhere else in the nearby area. While some call this feature a crater, it is not a crater in the traditional sense of the word, but simply another example of the erosion which created Canyonlands National Park.



Nuummite Cabochons!

Nuummite is the oldest mineral on earth, only found in high, rugged, mountain terrain north of Nuuk, Greenland, in an iron-ore region over 4 billion year old.

Nuummite iridescence creates an optical glow effect of red, orange, gold, silver, yellow, green, blue and violet, like flames in a fire.

Nuummite is the Sorcerer's Stone, sometimes called the Magician's Stone.

It is believed to possess ancient Earth element magic.

It is a stone of meditation, and a potent protective stone.



WEST COAST GEM & MINERAL SHOW

NOV. 11 - 13, 2016

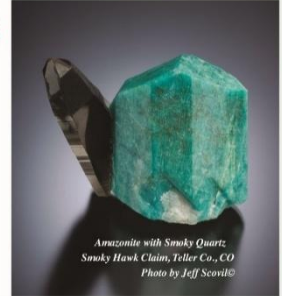
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www.mzexp.com facebook.com/mzexp

VP's Message

For September we had a very interesting video for our program on Agate slices and the colors and different types of banding.

We need to find a better source for speakers for the projector, as it is very difficult to hear what is being said on the videos using the computer speakers. I will be looking into this.

I feel bad that my speaker engagements have not always panned out, some of the leads do not reply to my emails. I will however continue to search for new and interesting lecture series that will be willing to travel to our meetings to deliver programs.

The Club needs your support, attendance is down and we are trying to hang on.

October's meeting will be our annual silent auction. We are hoping for a good turn out and will have some very good Rocks, Gems and Minerals up for auction.

I hope to see you all there.
Blessings and Good Health!

Thomas Witt, VP Moroks



October Birthdays
Judy McCulloch 10-6
Tom Freeman 10-1



Upcoming Events

Hi-Desert Rockhounds – 41st Annual Gem & Mineral Show
Wed thru Sun, September 28 – October 2, 2016 JOSHUA TREE, CA
Sponsor: Hi-Desert Rockhounds/JT Sportsman's Club

Venue: Sportsman's Club

6225 Sunburst St., Joshua Tree, CA 92252

Hours: Wed noon – 6:00pm; Thu thru Sun 9:00am – 5:00pm

Admission and Parking: Free.

Saturday night Vendor's dinner & Silent Auction: one ticket \$15 or two tickets for \$25.

Contact: 760-366-2915

Sat and Sun, Oct 1–2, 2016 BORON, CA – Mojave Mineralogical Society Annual Show

Venue: Boron Recreation Park

26998 John St., Boron, CA 93516

Hours: Sat 9:00am – 5:00pm, Sun 9:00am – 4:00pm.

Admission & Parking: Free

Contact: Bruce Davies, 760-338-8829

Sat and Sun, Oct 1–2, 2016 VISTA, CA – Vista Gem & Mineral Society Annual Show

Venue: Antique Gas & Steam Engine Museum

2040 N. Santa Fe Ave., Vista, CA 92083

Hours: Sat 10:00am–5:00pm, Sun 10:00am–4:00pm

Admission & Parking: Free

Contact: Ray Pearce, 760-726-7570

Sat and Sun, October 15–16, 2016 WHITTIER, CA – Whittier Gem & Mineral Society Annual Show

Venue: Whittier Community Center

7630 Washington Ave., Whittier, CA 90606 (corner of Mar Vista and Washington)

Hours: 10:00am – 5:00pm

Admission and Parking: Free.

Contact: Frank Winn, 626-239-5457

5 Basic Jewelry Making Tools You Need to Get Started



October 25, 2012 by [Vicki O'Dell](#)

1. Wire Cutters

Wire cutters allow you to cut headpins, eyepins and jewelry stringing wire. Always put the flat side of the cutters closest to the work for a closer cut. Be sure to cover the portion of the wire that will be cut off so that it doesn't fly across the room.

2. Round Nose [Pliers](#)

Round nose pliers, as you can see, are rounded and perfect for making simple loops and other rounded wire elements.

The jaws of round nose [pliers](#) taper towards the point which allows you to position your wire along the jaw to get the size of loop that you want. For a large loop place your wire near the handles and for a smaller loop place your wire towards the tip of the pliers.

The key to making consistent sized loops it is to mark the [pliers](#) with a permanent marker so that you always place your wire in the same place. When you are finished with the project simply wipe the marker away with a bit of alcohol.

3. Chain Nose [Pliers](#)

Chain nose pliers are similar to round nose [pliers](#) except that the inside of the jaws are flat. They are better for gripping wire with their flat surface. I recommend chain nose pliers that are smooth on the inside so that they don't mark your wire like the chain nose pliers with ridges do. Chain nose pliers are used for opening and closing jump rings or for gripping wire. Like round nose pliers, they taper towards the tip, which makes them useful for getting into small spaces.

4. Flat Nose Pliers

Flat Nose Pliers are similar to chain nose pliers but the jaws do not taper towards the tip. This wider surface makes it easier to grip jewelry wire.

Flat nose pliers may not be as essential to a basic jewelry making toolbox as chain nose pliers but you WILL need a second pair of flat nose type pliers for holding wire while you shape it. You'll either need two pair of chain nose pliers OR a pair of chain nose pliers AND a pair of flat nose pliers

5. Crimp Tool

Also called Crimpers and Crimping Pliers this tool is used used with crimp beads or crimp tubes to secure a clasp on the end of beading wire or to keep beads in position on projects where the wire shows between beaded segments (ie an "illusion" necklace).

The crimp tool has two notches in the jaws. Use the first notch nearest the handles to slightly flatten and round your crimp bead onto the wire. This turns it into a 'C' shape (ideally with one piece of wire in each side of the 'C'). Then use the notch near the end of the pliers to shape this 'C' shaped bead into a round.

THE MOROKS NEWSLETTER is the official monthly bulletin published by the Monrovia Rockhounds Club and is distributed free of charge electronically to members and non-members or by mail to the members without email. Views expressed by authors in the articles appearing in THE NEWSLETTER do not necessarily reflect those of the Monrovia Rockhounds Club. The editor publishes content as presented with minor changes for continuity. Articles from this publication may be reproduced in whole or part in other lapidary newsletters if proper credit is given to the author and THE NEWSLETTER. Articles and pictures are due by the 25th of each month for the following months publication.

UPCOMING MEETINGS:

BOARD MEETING
TUESDAY, OCTOBER 4, 2016
2:00 pm at the Ritchey's
224 Oaks Ave
Monrovia, CA 91016
All members welcome

GENERAL MEETING
THURSDAY, OCTOBER 20, 2016
7:00 pm United Methodist Church
Basement
“Our Annual Silent Auction”

Monrovia Rockhounds Inc
Gems of the Foothills
224 Oaks Ave
Monrovia, CA 91016



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