

SEARCHERS BOARD OFFICERS

- President: Kim Strange
- 1st VP: Sharon Burson
- 2nd VP: Andrew Bloxom
- Director: Doug Flaugh
- Secretary: Jamie Cassidy -Curtis
- Treasurer: Charlotte Spalding
- Federation Delegate: Charles Walker
- Committee Chairpersons
- Editor: Linda Horn
- Historian:
- Hospitality: Lorri Renck
- Library: Inez Flaugh
- Monthly Drawing:
- Sunshine:
- Veteran Liaison : Charles W.
- Website: Steve Duncan
- Workshop: Adrian Callard

IN THIS ISSUE

Field Trips	3
Club Meetings	2
Upcoming CFM Shows	5

POINTS OF INTEREST

FIELD TRIPS

GENERAL MEETING

SPEAKERS

The Rock Slab News

The Searchers Gem & Mineral Society, Anaheim CA

VOLUME 57, ISSUE 9



SEPTEMBER 2020

The President's Message

Hello Searchers,

I hope this message finds you healthy and doing well. Orange County has recently been removed from the State's Coronavirus watchlist – which is great news. If new cases, positivity rates and hospital capacity figures continue to improve, more aspects of the economy and our lives will slowly return to something more normal. As of this writing, the Anaheim Community Center has still not set a date for their reopening. For the foreseeable future, we have been educated on the importance to continue to maintain a 6-foot physical distance from others, wear a face covering when in public and avoiding large group events. We do this not only to protect our own health but the health and life of our loved ones as well as other people we may come in contact with.



Thanks to Sharon Burson and Margaret Hogarth, we enjoyed our second video general meeting via Zoom software on August 11. We had the pleasure of seeing and hearing Doug Flaugh who gave a great talk on designing and building your own lapidary equipment. Doug has serious expertise in this area and it was fascinating to see how he designed, fabricated and built his own slab saw. Thank you for sharing your knowledge with us Doug.

The Board has continued to meet via Zoom web conferencing software. During our August Board Meeting, we finalized the proposed Bylaw and Standing Rules changes that membership was notified of last month. As a reminder, the proposed changes to Bylaws and Standing Rules are available on the Searcher website for your review. We would love to hear your feedback on these proposed changes – please share your feedback with us on the proposed changes – and let us know if you have any questions. The Board also began discussing how we would hold our annual meeting this year if we are prevented from using the Community Center due to COVID. There were no firm conclusions on that yet – but we are planning ahead for the annual elections.

Lastly, as one of my duties as President, I formed a Nominating Committee consisting of Margaret Hogarth, Jimmy Pederson and Robert Burson who have the task of coming up with a slate of officers for our club for the next year. If you have interest in giving back to the club by seeking a Board Officer position, please reach out to the nominating committee.

That's all for now Searchers. Stay healthy and stay tuned for more details on the club's reopening!

| *Please remember to save slab donations for the vets.

Searchers Club Meetings and Presenters

Board Meeting- Sept. 1st

Member Meeting– Sept. 8th ZOOM meeting

NOTE: The latest is that the Community Center will be closed through August.

Searchers Board Meeting – August

The board held a special meeting on July 28 to review and approve the proposed changes to the Bylaws and the Standing Rules/Job Duties documents. At that meeting, some minor additional changes were proposed, and the board members approved the documents on the condition that those changes be added. The documents were updated, and redlined copies are now posted on the Searchers website for the next step: review and comments from members.

The Searchers board met via Zoom on August 4 at 6:30 pm. Items discussed included:

The Anaheim Downtown Center doesn't have a reopening date yet. They've confirmed that they will be closed at least the entire month of August.

Possible solutions on how we can hold elections that meet the Bylaws election requirements if in-person meetings still aren't allowed in November. The board will continue the discussion at the September board meeting.

Searchers General Meeting – August

The Searchers general meeting was held on Zoom on August 14. 12 households attended.

The speaker was our own Doug Flough, the current Director board member, and Past President from 2018. Doug gave a presentation on "Design and Build your own Lapidary Equipment". Doug walked us through his design and construction of a rock saw with interchangeable blades: 16 inch, 14 inch, and 12 inch. Highlights included:

Doug recommends that you complete the design of the entire machine before you start to build it. You'll probably modify the design several times to make the machine more useful or to troubleshoot problems with your original plan. CAD programs such as FreeCad or Sketchup are handy for design.

Think about what is available to you: your skills, tools, materials, and time. For example, building some machines from scratch can take months or years if you only have a few hours a week. Doug spent more than 2 years on the saw's design and another year on building it.

You can have any two of the following: quality, affordability, and speed.

You can build most equipment with an electric drill and common hand tools. If you want to hire a professional, welding shops and machine shops can be affordable for small projects.

The internet can be good for research, but that can also take a lot of time.

Common materials for parts include steel, aluminum, wood, and 3D printing. Some parts may be available at hardware stores, Ebay, Craigslist, or Highland Park.

Before welding parts together, grab a level and make sure those parts are in the right positions.

After all the parts are assembled and you've confirmed that the machine is the way you want it, you may want to take the assembly apart to, for example, sandblast and paint the parts. Before you disassemble your machine, measure where each part is located to help you reassemble the machine after you finish.

**For field trip
information
contact:
Andrew
Bloxom Field
Trips,
Searchers
Gem and
Mineral
Society,
andrew.bloxom@gmail.com**

September Meeting Topic

Robert will be our guest speaker for September. The topic will be preparation of rock for cutting purposes. He will explain how to determine the best potential for cutting stone, how to expose, exploit and work up cuttable specimens. His presentation will also include contouring and pressure washing angle grinding (his new toy). Last he will show pictures of some local rocks which he finds interesting.

Searchers will have the July **general meeting by Zoom, Sept. 8 2020 at 7:00 p.m.**

Zoom is dependent on a computer/tablet/phone with a microphone and camera, and Zoom loaded on it. If you need to download Zoom, do so at <https://zoom.us/>

We would set an appointed day and time (have Zoom downloaded) and then click on the meeting link below. Then you would click the "join meeting" button, then enable your microphone and enable your video. If you are using an iPad you might have to touch the screen to see the speaker and video options at the bottom.

NOTE: for those who can't use Zoom, call us, we would love to have you!

877 853 5247 US Toll-free

888 788 0099 US Toll-free

Meeting ID: 220 276 8016

Topic: Searcher's Meeting Room

Join Zoom Meeting

<https://tcc-services.zoom.us/j/2202768016>

Meeting ID: 220 276 8016

One tap mobile

+16699006833,,2202768016# US (San Jose)

+13462487799,,2202768016# US (Houston)

Dial by your location

+1 669 900 6833 US (San Jose)

+1 346 248 7799 US (Houston)

+1 253 215 8782 US

+1 301 715 8592 US

+1 312 626 6799 US (Chicago)

+1 929 436 2866 US (New York)

Meeting ID: 220 276 8016

Find your local number: <https://tcc-services.zoom.us/u/>

Saw Oil Available

The club supplies saw oil at a good price. It is located at Jim Peterson's home. Bring your own 5 gallon container. The cost is \$60 for 5 gallons.

Call 714 904-8573 and make a check payable to "Searchers"

A Selection of Searcher Show Cases from the 2010

One of the best parts of our show are the display cases carefully and thoughtfully put together by our members. Here are some stellar examples from the 2010 show that show the depth and breadth of our members' talents and collections. We also have a popular and well-loved treasure hunt activity for children that focuses on case contents. The club does have showcases available for use at the show, so think about displaying your creations or collections at our next show. Amaze and inspire us!

Margaret Hogarth



Show News

One positive thing about having to stay home is that it gives us the gift of time in terms of getting ready for our next show. Try a new craft and make one for a prize at the show. Sort through your stash and set aside special items as prizes for the Wheel of Fortune or as door prizes. Give the silent auction some of that excellent material. Have a large rock-related item that you are not sure what to do with? Could it be a raffle prize? Have a boulder that might make a sphere? Get it to Jimmy so he can make a sphere. It's okay if we have too many prizes, we can save some for next year. Do you have bits and pieces of rock that might polish well? Get them to me for tumbling. I'm creating grab bag material each week. I have some palm-sized polished rocks that I'm going to make special bags for. I think people might find them comforting to hold and look at. Polished rocks feel so good and smooth!

If you have ideas for prizes, be sure to pass them on to me. Take care of yourselves, families and neighbors, and keep on rocking as best as you can.

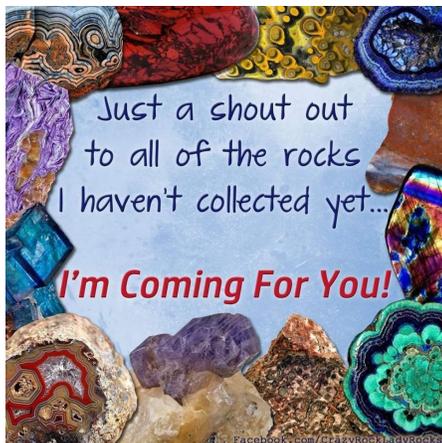
Margaret

Mineral Talks LIVE

Mineral lovers might be interested in weekly mineral talks from world-wide experts. Brought to you by the Mineralogical & Geological Museum at Harvard University and BlueCap Productions, these talks are found on YouTube. Episode 1 features Dr. Eloïse Gaillou - Curatrix of the Paris School of Mines Museum. Mineral Talks LIVE Facebook page is <https://www.facebook.com/Mineral-Talks-LIVE-106986071038407/>. You can register for the talks at <http://go.mineraltalkslive.com/register>. Talks take place on Wednesdays but are available on YouTube later.



Laugh Corner



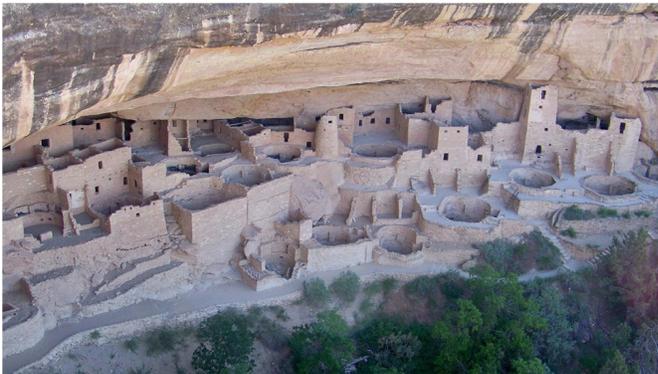
Making of North America

If you want to understand more about how the North American continent came to be and want to be wowed by incredible beauty and fascinating details presented by an gifted story teller, watch Nova's Making North America. You can find all three episodes at <https://www.pbs.org/wgbh/nova/series/making-north-america/episodes/>. Hosted by enthusiastic Kirk Johnson, Sant Director of the Smithsonian's National Museum of Natural History, watch as he travels to fascinating geology that illustrates the story of our continent. Episode 1, Origins, focuses on geologic forces that shaped the continent over 3 billion years. Episode 2, Life, shows the influence of volcanic eruptions, inland seas, and land bridges and the development of life on the continent. Episode 3, Human, explores how the land influenced humans from their first arrival to today. These programs have made it easier for me to understand the passage of geologic time, the powerful forces that shape the earth, and just how incredibly beautiful and rich our land is. Enjoy!



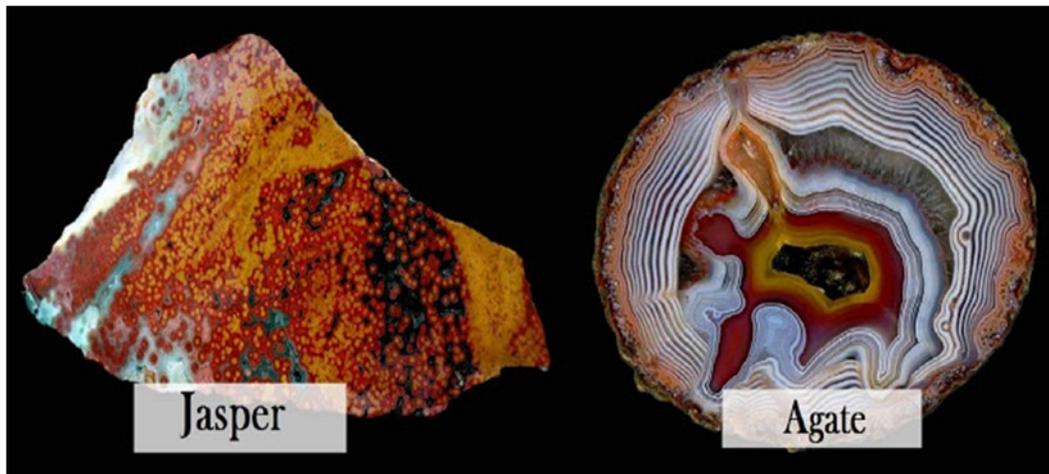
Episode 1: Making North America: Origins

Episode 2: Making North America: Life



Episode 3: Making North America: Human

What Is the Difference Between Agate and Jasper?



Jasper photo by: Ira Bradford. Agate photo by Achat Sphaerolith

The **simple answer** is if you put light behind the material and you can **see through it**, then it is an Agate if you can't then you're holding Jasper. The more complex answer is that it is not always that straightforward. The simple science behind this question is that both Agates and Jaspers are comprised of **Quartz**- which is one of the most common minerals on the planet. Quartz is comprised of two major types- macrocrystalline (large crystal) and cryptocrystalline (small crystal).

Now here is where it can get confusing, one major variety of cryptocrystalline quartz is Chalcedony. Chalcedony includes Carnelian, Chrysoprase, Agate, Bloodstone, Jasper and others. When Chalcedony is concentrically banded it is called an Agate. Occasionally the banding is larger than the crystal and the banding is not visible- like with most Carnelian.

Sub-variety of Chalcedony is opaque **quartz** called Jasper. Jasper can be banded or striated, depending on how it formed, and are most commonly red, yellow, green, brown or a mixture of these colors.

Jasper is an opaque rock of virtually any color stemming from the mineral content of the original sediments or ash. Patterns arise during the consolidation process forming flow and depositional patterns in the original silica rich sediment or volcanic ash. Hydrothermal circulation is generally thought to be required in the formation of jasper.

The banding in agate is based on periodic changes in the translucency of the agate substance. Layers appear darker when they are more translucent (this may appear reversed in transmitted light). This effect may be accompanied and amplified by changes in the color of neighboring layers, due to other co-precipitated minerals.

Upcoming 2020 CFMS Gem Shows

For a more complete listing of shows go to web-site: www.cfmsinc.org

Due to the ongoing virus check to see if any shows are still on. Most all have been canceled

September 12-13; ARROYO GRANDE, CA

San Luis Obispo Gem and Mineral Club
South County Regional Center
800 W. Branch St., Arroyo Grande
Hours: 10 am – 5 pm
Admission: \$5, children 12 and under free
Email: show@slogem.org

September 26-27; LANCASTER, CA

Palmdale Gem & Mineral Club
Antelope Valley Fairgrounds
2551 West Ave H, Lancaster
Hours: 10-5 Daily
Contact: Allison McClung; 661-839-7403
Email: ali_cares@aol.com
Website: palmdalegemandmineral.org

September 26 – 27; LODI, CA

Stockton Lapidary and Mineral Club
Lodi Grape Festival Grounds
413 East Lockeford Street, Lodi CA 95240
Hours: 10 am – 5 pm daily
Earth's Treasures; Gems, Minerals and Jewelry show
Web site: <http://stocktonlapidary.org>

October 10 – 11; TRONA, CA

Searles Lake Gem and Mineral Society
13337 Main St., Trona
Gem-O-Rama Hours: Sat 7:30 am – 5 pm,
Sun 7:30 am – 3 pm
Contact: Jim & Bonnie Fairchild, (760) 372-5356
email: slgms@iwvisp.com
Web site: <http://www1.iwvisp.com/tronagemclub/>

October 11: FALLBROOK, CA

Fallbrook Gem and Mineral Society
123 W Alvarado St
Hours: 9-4
Contact: Michelle Shearer; 760-805-2184
Email: info@fgms.org
Website: www.fgms.org

October 17-18: SANTA ROSA, CA

Santa Rosa Gem & Mineral Society
1351 Maple Ave., Santa Rosa, CA 95404
Hours: Sat 10 am – 6 pm, Sun 10 am – 5 pm
Contact: 1 707 849-9551, santarosarock-show@hotmail.com
Website: <http://SRMSG.org>
Flyer: agate-one.jpg

October 24 – 25: SACRAMENTO, CA

Sacramento Gem & Mineral Society
Scottish Rites Center
6151 H Street, Sacramento, CA 95819-2604
84th Annual Sacramento Gem, Mineral and Jewelry Show
Hours: Sat 10 am – 5 pm, Sun 10 am – 4 pm
Contact: (916) 662-5819, gem-show@sacramentomineralsociety.org
Web site: <http://sacramentomineralsociety.org>
Show web site: <http://sacgemshow.com>

November 14 – 15: YUBA CITY

Sutter Buttes Gem & Mineral Society
Yuba-Sutter Fairgrounds
442 Franklin Hall, Yuba City, CA 95991
Hours: Sat. 10 am – 5 pm, Sun. 10 am – 4 pm
Contact: (916) 677-6696, horita@comcast.net
Show web site: <http://sutterbuttesgemmin.org>

November 21-22; ANAHEIM

American Opal Society
Business Expo Center, 1960 S. Anaheim Way,
Anaheim 92805
Adults – \$5, Students and children under age 15 are free; Free parking
Hours: Sat 10 am – 5 pm, Sun 10 am – 4 pm
Contact: (714) 501-9959,
aos.editor02@gmail.com
Website: <http://opalsociety.org>
Show Flyer: 2020Flyer.jpg



September Birthstone: Sapphire



Searchers Gem & Mineral Society

General Information



Check our website for unexpected changes in schedule!

www.searchersrocks.org

General Meetings: 7 PM, 2nd Tuesday of each month, Jan - Nov

Board Meetings: 6PM, 1st Tuesday of each month, Jan - Nov

Workshop: Thursday 5:30 to 10:00 PM and Saturday 2:30 to 7:00 PM

Location: Anaheim Downtown Community Center
250 East Center St.
Anaheim, CA 92805

Mailing Address: Searchers Gem & Mineral Society, Inc.
P.O. Box 3492
Anaheim, CA 92803

Website: www.searchersrocks.org

Membership Dues:	Individual	\$25
	Couple	\$35
	Junior (17 & under)	\$10

Valid Jan.1-Dec.31, not prorated

Bulletin: Submissions due 3rd Friday of the month via e-mail to: editor@searchersrocks.org.

Bulletin distributed 1st week of each month. Mail exchange bulletins to the editor:

Searchers —Linda Horn Editor

P.O. Pox 3492

Anaheim, Ca. 92803

Charter Date: April 20, 1958

Affiliations: California Federation of Mineralogical Societies
American Federation of Mineralogical Societies



THE NEVADA MINERAL & BOOK COMPANY

<http://minbooks.net/>

342 S. Tustin Street • Orange, CA 92866

Ph. 714-633-1549



Tony's Lapidary Equipment Repair

Tony Hempen

Owner
26282 Calle Roberto
San Juan Capistrano, CA 92675
949-922-7271
themp2@yahoo.com