



A monthly publication of the Clear Lake Gem & Mineral Society

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NEXT MEETING: **TUESDAY, July 20, 2021**

TIME: **7:00 p.m.**

LOCATION: League City Library
100 W Walker St,
League City, Tx 77573

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MINUTES OF THE June CLGMS GENERAL MEETING (6/15/2021)

We presented the awards to the 3 Scholarship winners.

The proposed workshop room at the Creator Space were discussed but there was no decision made yet. We are still interested, however, some more details are still needed.

We discussed the planning for our upcoming show in August.

We still need volunteers to help running the show – volunteer sheet is posted on the web site.

MINUTES OF THE July CLGMS BOARD MEETING (7/6/2021)

Preparation for the August show:

- U-Haul has been booked – a 15 footer should be large enough since we are not going to have display cases.
- Security has been set up and will be provided by the Pasadena Police Department.
- Postcards had been made and sent out early. The pads will be distributed during July General meeting.

We discussed the work room at Creator Space but did not reach the final conclusion until further information is obtained (the room's necessary upgrade for our equipment). We will evaluate on what and how many equipment that we can provide or want to use.

For the August 2021 show – Currently we have 37 vendors applied, 32 vendors have committed and we have 3 new vendors.

We will have the same children activities: Gem Mine, Dinosaur Rock Show and Scout Sessions also there will be a possibility of an Astronaut presentation (still in progress).

We will have our 2021 Annual Show on August 7-8, 2021.

REMINDER:

Upcoming events - We are looking forward to the following programs.

Show and tell.

Field Trips Announcement

Currently we do not have any field trips on the schedule. If you have suggestion for places and dates please contact:

annabel.brownfield@gmail.com or call/text: 281-486-1866.

Carnelian

From Wikipedia (Please see Wikipedia for all the footnotes).

Carnelian (also spelled **cornelian**^[2]) is a brownish-red mineral commonly used as a semi-precious gemstone. Similar to carnelian is **sard**, which is generally harder and darker (the difference is not rigidly defined, and the two names are often used interchangeably). Both carnelian and sard are varieties of the silica mineral chalcedony colored by impurities of iron oxide. The color can vary greatly, ranging from pale orange to an intense almost-black coloration. It is most commonly found in Indonesia, Brazil, India, Russia (Siberia), and Germany.

History

The red variety of chalcedony has been known to be used as beads since the Early Neolithic in Bulgaria. The first faceted (with constant $16+16=32$ facets on each side of the bead) carnelian beads are described from the Varna Chalcolithic necropolis (middle of the 5th millennium BC).^[3] The bow drill was used to drill holes into carnelian in Mehrgarh in the 4th-5th millennium BC.^[4] Carnelian was recovered from Bronze Age Minoan layers at Knossos on Crete in a form that demonstrated its use in decorative arts;^[5] this use dates to approximately 1800 BC. Carnelian was used widely during Roman times to make engraved gems for signet or seal rings for imprinting a seal with wax on correspondence or other important documents. Hot wax does not stick to carnelian.^[6] Sard was used for Assyrian cylinder seals, Egyptian and Phoenician scarabs, and early Greek and Etruscan gems.^[7] The Hebrew odem (also translated as sardius), the first stone in the High Priest's breastplate, was a red stone, probably sard but perhaps red jasper.^[7] In Revelation 4:3, the One seated on the heavenly throne seen in the vision of John the apostle is said to "look like jasper and 'σαρδίω' (sardius transliterated)." And likewise it is in Revelation 21:20 as one of the precious stones in the foundations of the wall of the heavenly city.^[8]

There is a Neo-Assyrian seal made of carnelian in the Western Asiatic Seals collection of the British Museum that shows Ishtar-Gula as a star goddess. She is holding a ring of royal authority and is seated on a throne. She is shown with the spade of Marduk (his symbol), Sibbiti (שבט or sheva in Hebrew language) gods, stylus of Nabu and a worshiper. An 8th century BCE carnelian seal from the collection of the Ashmolean Museum shows Ishtar-Gula with her dog facing the spade of Marduk and his red dragon.^[9]

Etymology

Although now the more common term, "carnelian" is a 16th-century corruption of the 14th-century word "cornelian" (and its associated orthographies corneoline and cornalyn).^[10] Cornelian, cognate with similar words in several Romance languages, comes from the Mediaeval Latin corneolus, itself derived from the Latin word cornum, the cornel cherry,^[11] whose translucent red fruits resemble the stone. The Oxford English Dictionary calls "carnelian" a perversion of "cornelian," by subsequent analogy with the Latin word caro, carnis, flesh. According to Pliny the Elder, sard derived its name from the city of Sardis in Lydia from which it came, and according to others, may ultimately be related to the Persian word سرده sered, meaning yellowish red.^[7] Sarx in Greek means "flesh", and other stones have similar naming, such as the onyx stone in sardonyx, which came from Greek for "claw" or "fingernail" because onyx with flesh-colored and white bands can resemble a fingernail.^[12] So this type of use analogy may have been more widespread.

Distinction between carnelian and sard

The names carnelian and sard are often used interchangeably, but they can also be used to describe distinct subvarieties. The general differences are as follows:^[7]

Comparison of carnelian and sard

Aspect	Carnelian	Sard
Color	Lighter, with shades ranging from orange to reddish brown	Darker, with shades ranging from a deep reddish brown to almost black
Hardness	Softer	Harder and tougher
Fracture	Uneven, splintery and conchoidal	Like carnelian, but duller and more hackly (having the appearance of something that has been hacked, i.e. jagged)

All of these properties vary across a continuum, so the boundary between carnelian and sard is inherently blurry.



Carnelian Crystals



Carnelian intaglio with a Ptolemaic queen, Hellenistic artwork, Cabinet des Médailles

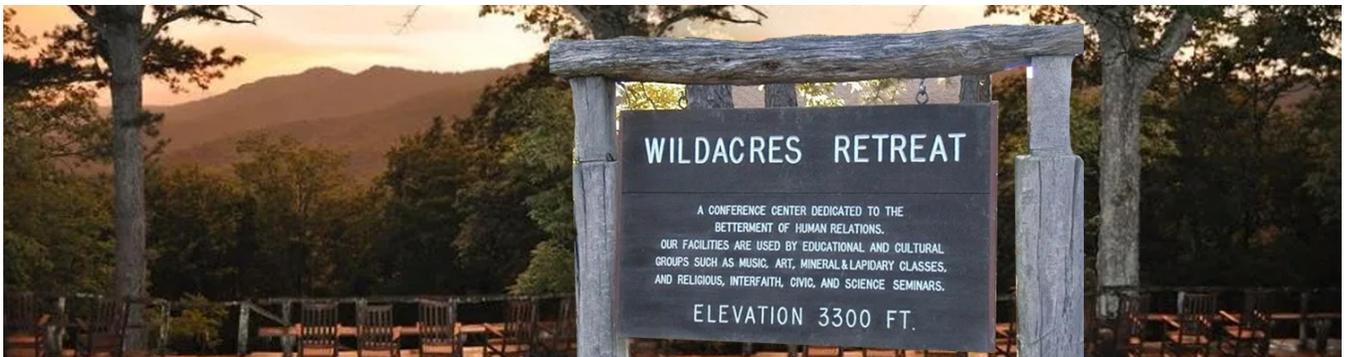


Polish signet ring in light-orange carnelian intaglio showing Korwin coat of arm

The "Rochester Mineralogical Symposium" is a meeting held every year that discusses what is new in the world of mineralogy. The meeting lasts about 3 hours and shows mineral specimens from mines throughout the world. It discusses newly opened mines and mines that were closed in the last year. It's worth watching just 30 minutes of it if you have time.

The 2021 meeting was held virtually and was recorded. Click here if you want to see it.

<https://www.youtube.com/watch?v=ymPT5QmlJxM>



If you have not already done so, now is the time to send in your wildacres fall registration form. See details here:

<https://efmls.org/wildacres/>

From Steve Weinberger, Wildacres Committee Chairman:

The Wildacres Retreat has issued a Commitment to Care explaining what they are doing to mitigate risks from COVID, and updating the plan as conditions change. These guidelines are sensible and will not affect our having a great week on the mountain.

If you are planning on attending and have not sent in your registration yet, send it in soon so that you have a better chance of getting your top choices of classes. Remember, you can get a full refund if you cancel at least 30 days prior to the session.

I hope that everyone that is planning to come to Wildacres September 6-11 will be fully vaccinated for COVID-19 by then. Please be sure to bring along your proof of vaccination or a recent test result in case there are any questions.

SCFMS and MEMBER CLUB GEM SHOWS			
May: Waco (Waco, TX) 05/01-02/21. *Tyler Gem & Mineral (replace East TX this year) 05/22-23/21 Ft. Worth (Ft Worth, TX) 05/29-30/21	June: Arlington (Arlington, TX) 06/19-20/21??	July: None.	Aug: Clear Lake Gem and Mineral Society (Pasadena, Tx) 8/7 – 8/8 http://www.clgms.org/ Baton Rouge (Baton Rouge, LA) 08/14-15/21 Ark-La-Tex (Bossier City, LA) 08/21-22/21
Sept: Lubbock (Lubbock, TX) 10/9-10/21	Oct: Tri-City (Temple, TX) 10/02-23/21 G&MS of LA (New Orleans, LA) 10/9-10/21 Austin (Austin, TX) 10/22-24/21 Cowtown-CERA (Ft Worth, TX)	Nov Golden Spread (Amarillo, TX) Paleontological Society(Austin, TX) 11/06-07/21 Midland (Midland, TX) Houston (Houston, TX) 11/12-14/21 Dallas (Dallas, TX) 11/20-21/21	Dec: DeRidder (Leeville, LA)

STONEY STATEMENTS
 Clear Lake Gem and Mineral Society, Inc
 PO BOX 891533
 Houston, Texas 77289

Meeting 3rd Tuesday of the Month
7:00 P.M.
 League City Library
 100 W Walker St, League City, Tx 77573



Member of

Next Annual Show
 August 7-8, 2021
 Pasadena Convention Center

CLGMS is on the Web:
<http://www.clgms.org>
 2/20-21, 2021



American Federation of Mineral Societies

South Central Federation of Mineral Societies

Clear Lake Gem and Mineral Society, Inc

MEMBER: American Federation of Mineralogical Societies and South Central Federation of Mineral Societies

PURPOSE: To promote education and popular interest in the various earth sciences; in particular in those hobbies dealing with the art of lapidaries and the earth sciences of minerals, fossils and their associated fields.

2021 OFFICERS:	President	John Caldyne	832-282-4270
	Vice President	Cynthia McGowan	281-546-2662
	Secretary	Christina Rankin	281-723-5408
	Treasurer	Morgan Davies	281-224-2444
	Program Director	VACANT	
	Board of Directors:	Sandra Christiansen	Jerry Newberry
		Jim Edwards	Jim Hawkins
		Donna Nelson	
Newsletter Editor	Sara Tanner		
	David Tjiok		

Annual Show 2021	Sandra Christiansen	Membership.....	David Tjiok
Constitution & Bylaws.....	Sara Tanner	WWW System Admin..	Mike Flannigan
Community Benefits.....	Charlie Timme	Refreshments.....	John Caldyne
Historian.....	David Tjiok	Education/Field Trips.....	Annabel Brownfield
Publicity.....	Annabel Brownfield		
Facebook.....	Cynthia McGowan		

Membership Dues Jan. to Dec. 2021: Adult \$15:00, \$5.00 per additional adult at same address, Junior \$5.00, \$5.00 per member with adult at same address, Family Dues \$20.00 (4+) at same address. Send Dues to CLGMS, PO BOX 891533, Houston, TX, 77289