



A monthly publication of the Clear Lake Gem & Mineral Society

VOLUME 46

February 2020

NUMBER 2



NEXT MEETING: February 17, 2020
TIME: 7:00 p.m.
LOCATION: Clear Lake Park Building
 5001 Nasa Parkway
 Seabrook, Texas

INSIDE THIS ISSUE

February Meeting	1	<u>FEBRUARY MONTHLY MEETING</u>
Board/General Meeting Minutes Upcoming events	2-3	Folks, IT'S SHOW TIME !!!!!!!
Field Trips. Petrified Woods Turritella	4-7	Just a reminder that we have only a couple more weeks until our Annual Show. Please make this one be another successful one. Please sign up for volunteer position(s) especially at the Children activity tables.
Upcoming shows	8	We will be discussing all the necessary items and also distributing the signs that need to be placed on the side road. Reminder - 2020 membership dues. http://www.clgms.org/

--	--	--

MINUTES OF THE January CLGMS GENERAL MEETING

January 2020 Meeting

Started at 7PM at the Clear Lake Park Building

- Membership dues for 2020 are due.
- Hope to set up some field trips for spring and workshops for summer.
- Stony Statements has a correction. The Fredericksburg date for show had wrong year. Also, the SCFMS did not meet at Fredericksburg this year. They will meet at Temple in October. There is discussion as to if the Clear Lake Club would like to host the Federation in 2022.
- Board meeting location has moved to Panera bread because the park is now charging not for profit groups \$25 per meeting to use the building.
- We will be getting rid of old display boxes during the show. These will be available to members.
- Ms. Joanne from the League City library joined us
- Thank you for last year when she emailed asking for a display.
- John has given multiple presentations at the library.
- Hope to have a display this year again.
- Club is welcome to meet at the library.
- Would like to have our Gem Mine at a family event in the summer, likely June
- Other Gem Mine opportunities
- Ross Carnival April 4th
- Carson's school and the Montessori
- San Jac has a summer program that might be a good place for our Gem Mine to get kids interested
- Show items
- New swag bags and stress rocks ordered
- Fliers are here – take some to pass out
- Members are asked to fill our display cases for the show. Will ask again in February meeting to get an idea of how many display cases we need to bring.
- Please volunteer for the show
- Trina would like this to be her last year running the scout sessions. Need someone to learn this year and head this up in future years.
- Wondering if there are enough vests in XL for the show
- Theresa has ordered supplies for the children's hands on
- Cyndi talked to multiple organizations about volunteers.
- Show Schedule

- Load truck Thursday night starting at 6 with dinner afterwards.
- Friday set up starts at 8am, most done around noon.
- Tear down Sunday night with dinner after.

MINUTES OF THE February CLGMS BOARD MEETING

Show items

- Need arrows to show direction to kids activities, scout session and dino show.
- Show Layout - first preliminary drawing
- moved from front to back
- Move silent auction to front of table, maybe touch table to side.
- New tickets have been purchased.
- Post cards have been reordered on thicker paper, but we ordered 2500 and had over 4100 to send. Bay Area Printing has printed the rest and everything has been delivered for mailing. Jerry will take the check back for the post master.
- We suggest going with Bay Area Printing for the printing we can in the future as they are local and have been reliable whenever we had needed anything. They did a great job on the rush job for postcards and the price was only slightly higher than the internet order. Local club can support local business.
- Get a second tablet/reader set. Need to find out if current tablet will support new software. If it doesn't, replace it. Morgan will take care of this. Looking to at getting a 10 inch tablet for the 2nd one.
- After the show Jerry is going to go through the mailing list and take off the invalid mailing addresses.
- We need to ask Mike about emailing the show advertisements out to patron email list.

Does another company type or scan type up ticket info? Would CESI do this? If we do it we need to figure out how to collaborate over Microsoft and work off one file. Maybe everyone on the board should have a copy of our sales tax exempt form.

Field trips are lined up for March, April and May.

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

We also will be discussing the 2020 show and volunteers.

We are going to put some signs on the side of the road.

Field Trips Announcement

Two field trips are planned for the spring. On April 25, we will travel to Lovelady, TX, in search of petrified wood. Petrified wood is the name given to a special type of fossilized remains of terrestrial vegetation. Petrification is the result of a tree or tree-like plants having transitioned to stone by a mineralization process that often includes pre-mineralization and replacement.

On May 30, we will travel to Oglesby, Tx, in search of turritella. The fossil remains of turritella are the shells or the cast of shells from soft-bodied mollusks. Turritella are a type of sea snail with tall spiral shells. They vary in size from about 1/2 inch to 6 inches long.

More details will follow. If you are interested, please send me an email, annabel.brownfield@gmail.com or call/text: 281-486-1866.

Petrified Woods – WhatAEarth.com

Nothing is more fun than to be walking across a field and find a piece of petrified wood. Because it tells a story of a beautiful tree that once existed perhaps millions of years ago, and it has been preserved in its original shape and look for you to enjoy millions of years later.

Petrified wood can preserve the original structure of the stem in all its detail, down to the microscopic level. Structures such as tree rings and the various tissues are often observed features.

FOUND AROUND THE WORLD.

Petrified wood (from the Greek root petro meaning “rock” or “stone”; literally “wood turned into stone”) is the name given to a special type of fossilized remains of terrestrial vegetation. It is the result of a tree or tree-like plants having completely transitioned to stone by the process of permineralization. All the organic materials have been replaced with minerals (mostly silicate, such as quartz), while retaining the original structure of the stem tissue. Unlike other types of fossils which are typically impressions or compressions, petrified wood is a three-dimensional representation of the original organic material. The petrification process occurs underground, when wood becomes buried under sediment and is initially preserved due to a lack of oxygen which inhibits aerobic decomposition. Mineral-laden water flowing through the sediment deposits minerals in the plant's cells; as the plant's lignin and cellulose decay, a stone mould forms in its

place. The organic matter needs to become petrified before it decomposes completely. A forest where such material has petrified becomes known as a petrified forest.

Elements such as manganese, iron, and copper in the water/mud during the petrification process give petrified wood a variety of color ranges. Pure quartz crystals are colorless, but when contaminants are added to the process the crystals take on a yellow, red, or other tint.

Following is a list of contaminating elements and related color hues:

carbon - black
cobalt - green/blue
chromium - green/blue
copper - green/blue
iron oxides - red, brown, and yellow
manganese - pink/orange
manganese oxides - blackish/yellow

Petrified wood is a fossil in which the organic remains have been replaced by minerals in the slow process of being replaced with stone. This petrification process generally results in a Quartz Chalcedony mineralization. Special rare conditions must be met in order for the fallen stem to be transformed into Fossil Wood or Petrified Wood. In general, the fallen plants get buried in an environment free of oxygen (anaerobic environment), which preserves the original plant structure and general appearance. The other conditions include a regular access to mineral rich water flowing through the tissues, replacing the organic plant structure with inorganic stone. The end result is petrified wood, a plant, with its original basic structure in place, replaced by stone. This process could occur in less than one thousand years.[citation needed] Exotic minerals allow the rare red and green hues that can be seen in more rare specimens.

United States – petrified wood sites include:

- Petrified Wood Park in Lemmon, South Dakota.
- Ginkgo/Wanapum State Park in Washington State.
- Petrified Forest National Park in Arizona.
- Petrified Forest (California) in California.
- Mississippi Petrified Forest in Flora, Mississippi.
- Florissant Fossil Beds National Monument near Florissant, Colorado.
- Yellowstone Petrified Forest, Yellowstone National Park, Wyoming.
- Gallatin Petrified Forest, Yellowstone National Park, Wyoming.
- The south unit of Theodore Roosevelt National Park outside Medora, North Dakota.
- Gilboa Fossil Forest, New York.
- Escalante Petrified Forest State Park in Utah.
- Petrified Springs in Kenosha, Wisconsin.



Turritella – WhatAEarth.com

Turritella is a genus of medium-sized sea snails with an operculum, marine gastropod mollusks in the family Turritellidae. They have tightly coiled shells, whose overall shape is basically that of an elongated cone. The name Turritella comes from the Latin word turritus meaning “turreted” or “towered” and the diminutive suffix -ella.

FOUND AROUND THE WORLD.

The fossil remains of turritella are the shells or the cast of shells from soft-bodied mollusks. Turritella are a type of sea snail with tall spiral shells. They vary in size from about 1/2 inch to 6 inches long.

Turritella is a genus of medium-sized sea snails with an operculum, marine gastropod mollusks in the family Turritellidae. They have tightly coiled shells, whose overall shape is basically that of an elongated cone.

Origin Of the Name:

The name Turritella comes from the Latin word turritus meaning “turreted” or “towered” and the diminutive suffix -ella

Interesting Facts:

Folk names: Sponge, Witch stone, ammonite, snake tone , & draconites. Fossils are the remains or the negative impressions of ancient creatures that dies millions of years ago.

Where Is It Found:

During the Mesozoic (~245-65 million years ago) the ammonites, a relative of the modern chambered nautilus, flourished and are an important part of the fossil record, but

they became extinct at the end of the Cretaceous at the same time as the dinosaurs. Many types of clams and snails also disappeared at the end of the Cretaceous, including the rudists, a group of bivalved mollusks that lived much as modern reef-building organisms do. The disappearance of these marine animals opened up environmental niches to be filled by a radiation of new species of all types of animals at the beginning of the Cenozoic.

The Erminger Turritellenplatte (“Turritella plate of Ermingen”) near Ulm, Germany is a rocky outcrop situated in the northern part of the North Alpine Foreland Basin. It is famous for its superabundance of *Turritella turris* shells within its sediments and dates from the Burdigalian.

What Do We Do With It:

“Turritella agate” is not made of fossil snails of the genus *Turritella*. The rock in which they are so abundant varies from a soft sandstone to a dense chalcedony. It is this dense silicified rock that is so popular with gem and mineral hobbyists, and also with purveyors of “new age” ideas such as crystal healing.

Metaphysical Use:

Fossils represent time, eternity and evolution. Fossils are used as power tools by shamans throughout the world to amplify energy.



Upcoming Programs:


February - We will be discussing about the upcoming 2019 show – the final preparation and personnel assignments. Volunteer sheet, CC machine, etc.

Please sign up – we really need volunteers for various positions especially the children’s activity section.

March – We will be discussing the results of our annual show – the good, the bad and the improvements. Also we will have the show and tell on what and why you have purchased during the show.

SCFMS and MEMBER CLUB GEM SHOWS

Feb 22-23 – Pasadena, Tx Clear Lake Gem & Mineral Society. Pasadena Convention Center. 7902 Fairmont Parkway. clgmsvendors@gmail.com	Feb 22-23 – Plainview, Tx. Hi-Plains Gem & Mineral Society. Ollie Liner Center. 2000 S. Columbia. Bobcat22@suddenlink.net	March 7-8 – Big Spring, Tx. Big Spring Prospectors Club. Howard County Fair Barn. 2900 Old State Hwy 80. lollabellelamb@yahoo.com	March 7-8 – Robstown, Tx. Gulf Coast Gem and Mineral Society. RMB Fairgrounds. 1213 Terry Shamsie Blvd. Exhibit Hall A gulfcoastgemandmineralsociety@gmail.com
Mar 9-10, San Antonio, TX, Southwest G&MS, San Antonio Event Center, www.swgms.org	Mar 23-24, Cedar Rapids, IA, Cedar Valley R&MS & AFMS CONVENTION, Hawkeye Downs Expo Center, www.cedarvalleyrockclub.org	Apr 13-14, Abilene, TX, Central TX G&MS, Abilene Convention Center, kmcdaniel23@suddenlink.net Apr 19-21, Alpine, TX, Chihuahuan Desert G&MC, Alpine Civic Center, ocoent895@gmail.com	Apr 19-21, Alpine, TX, Chihuahuan Desert G&MC, Alpine Civic Center, ocoent895@gmail.com
May 4-5, Waco, TX, Waco G&MC, Extraco Events Center, https://wacogemandmineral.org	May 25-26, Ft. Worth, TX, Fort Worth G&MC, Will Rogers Memorial Center, www.forthworthgemandmineralclub.org	Jun 1-2, Lubbock, TX Lubbock G&MS, Lubbock Memorial Civic Center, www.lubbockgemandmineral.org	
STONEY STATEMENTS Clear Lake Gem and Mineral Society, Inc PO BOX 891533 Houston, Texas 77289			
Meeting 3rd Monday of the Month 7:00 P.M. Clear Lake Park Building 5001 NASA Parkway, Seabrook, Texas			

				
		Member of		
Next Annual Show February 22-23, 2020 Pasadena Convention Center				
CLGMS is on the Web: http://www.clgms.org 2/22-23, 2020		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.				
2020 OFFICERS:	President Vice President Secretary Treasurer Program Director Board of Directors: Newsletter Editor	David Tjiok John Caldyne Trina Willoughby Morgan Davies VACANT Sandra Christiansen John Caldyne Jim Edwards Donna Nelson Sara Tanner VACANT	832-423-4802 832-282-4270 713-815-0275 281-224-2444	
Annual Show 2020 Sandra Christiansen Constitution & Bylaws.....Sara Tanner Community Benefits.....Charlie Timme Historian.....David Tjiok Publicity..... Cynthia McGowan Facebook.....Trina Willoughby Membership.....Mike Flannigan WWW System Admin..Mike Flannigan Refreshments.....John Caldyne Education/Field Trips.....Annabel Brownfield				
Membership Dues Jan. to Dec. 2020: 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				