



A monthly publication of the Clear Lake Gem & Mineral Society

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NEXT MEETING:
TIME:
LOCATION:

August 21, 2017
7:30 p.m.
 Clear Lake Park Building
 5001 Nasa Parkway
 Seabrook, Texas

INSIDE THIS ISSUE

August Meeting	1-2	<u>AUGUST MONTHLY MEETING</u>
Monthly Meeting Minutes Board Meeting Minutes	2-3	<p>Micromounting</p> <p>The program will be presented by Nick Roe. Micromounting is the art of presenting some of Nature's finest mineral creations best viewed through a microscope. Typically specimens are mounted in a box, usually plastic, one inch on a side. As a result, a large number of specimens can be kept in a small space, - often significantly reducing marital tensions! Micromounts can be inexpensive, often good micro specimens can be found in the edges of mediocre or poor thumbnail or larger specimens being sold at low cost. Even gold</p> <p>(continued page 2)</p>
Micromounting Bench Tips Jeremejevite	3-7	
Marine Archeology Upcoming Workshops	7-9	
Scholarship Recipients Upcoming Shows	9-10	

or diamonds can be inexpensive because they are so small, they have little intrinsic value. Micromounters can find beautiful specimens of hundreds or thousands of different mineral species that are never seen in larger specimens, or, if they are, larger specimens are either very rare or very expensive, or both! For me, the best feature is that micromounts can be amazingly beautiful. My presentation will introduce micromounting, cover some micromounting basics, and show photomicrographs of some specimens in my collection.

MINUTES OF THE JULY 17, 2017 MONTHLY MEETING

Minutes were recorded by Mike Flannigan. Thank you Mike-

Daniel Haddock gave a presentation on Marine Archeology.

Scholarship checks were presented to Brooke Bogan and Ramya Ravindranathan.

A few visitors attended the meeting. 33 people signed in.

A refund was received from the FM radio stations and a treasury report was made.

The library was brought out to share.

Possible field trip to Caddo Mounds is still in the works for August. There is a museum, Indian Mounds, and guided tour available.

Charlie Timme's dichroic glass class has been changed from 10/14/2017 to 10/21/2017. This will be at Charlie's house for a limited number of people. Wire wrapping will be at a later date (possibly at October's School of Rock).

Vincent contacted NASA about our annual show. He hasn't heard back yet. Trina said he can go to their website to see what they have available.

Program for next month is Micro Mounting by Nick Roe. He joined our club some time ago.

Show and Tell- Trina's nephew Lucas collected rocks from the Royal Gorge and Colorado Springs. Lots of quartz and mica.

Meeting adjourned at 9:15pm.

Respectfully submitted by Pam Dudley, secretary. Thank you again Mike Flannigan!

MINUTES OF THE AUGUST 7, 2017, BOARD MEETING



Meeting was called to order at 7:30pm. It was brought up that we need more than just the treasurer to be able to sign on our checking account. David Tjiok made a motion to add more members on the checking account. Jim Woods 2nd it. Jerry Newberry will check to see what needs to be done to accomplish this. He will also see about getting Vince Barrows a debit card for show expenses.

Vince gave an update on programs for the next few months. He then gave an update on preparations for our 2018 show. He is working on securing NASA items to be the main attraction. We asked if he could see about getting some astronaut speakers. We also asked if he could see if the man with the dinosaur show could come again.

Sandy will start contacting vendors in September.

The gem mine and children's "hands-on" area will need a lot of volunteers. Please help us out.

Advertisement ideas were discussed. Vince will be checking into a Facebook add.

Sara's husband will be conducting a photography workshop in November. More info at the general meeting.

Meeting adjourned at 8:35pm.

Respectfully submitted by Pam Dudley, secretary

MICROMOUNT

From Wikipedia, the free encyclopedia

Micromount is term used by mineral collectors and amateur geologists to describe mineral specimens that are best appreciated using an optical aid, commonly a hand-lens or a binocular microscope. The magnification employed ranges from 10 to 40 times.

A micromount is permanently mounted in some kind of box and labelled with the name of the mineral and the location from which it came. Proper mounting both preserves delicate crystals, and facilitates their handling.

Micromount specimen collecting has a number of advantages over collecting larger specimens.

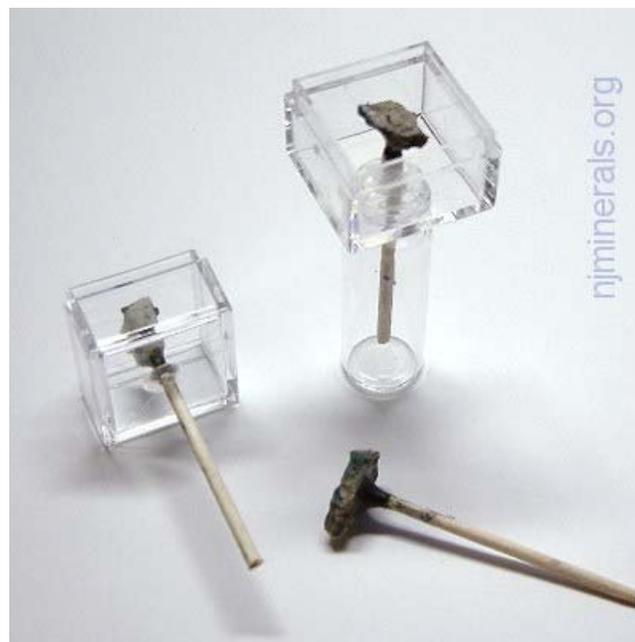
Micromount specimens take up less space and cost less than larger specimens.

Small crystals are usually more perfect than larger ones.

Micromount material can often be readily collected at locations that rarely if ever yield specimens with large crystals.

Crystals of many rare species are only found in microscopic sizes.

Micromounting is a craft, as much as it is a collecting activity. Two English language books on micromounting have been published, by Milton Speckels^[1] in 1965, and by Quintin Wight^[2] in 1993.



[BENCH TIPS BY BRAD SMITH](#)



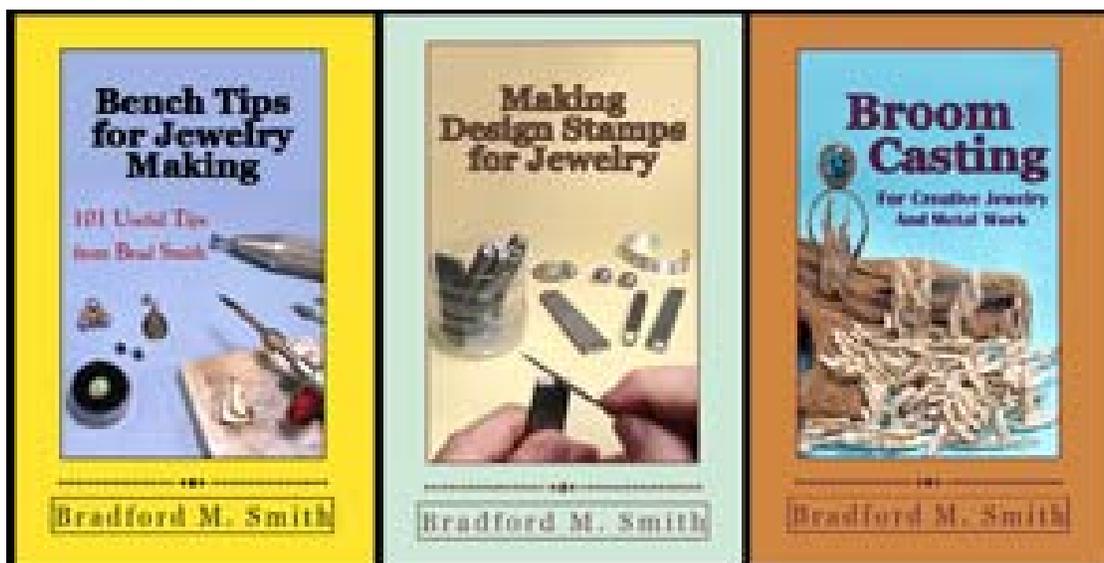
Making wire for filigree is quite simple. Take a double strand of 24-26 gauge silver wire, twist it tightly, and then flatten it a bit. While the basics are straightforward, here's a few tips that will quickly make you an expert with filigree.

Filigree looks best when the wire has a very tight twist. The way I do this is to start with dead soft wire and twist it until it breaks. It always seems to break on one end or the other. I like to use a screw gun, although a Foredom also works well. Be sure to keep a little tension on the wires as you twist. Then to get a real tight twist, I anneal the wire and twist it a second time until it breaks.

The final step in prepping the filigree wire is to flatten it slightly with a planishing hammer or rolling mill. The amount of flattening is a personal preference. I like to reduce the diameter about 25%. The wire will be quite stiff at this point, so it's best to anneal it again before starting to make the filigree shapes.

Learn more new skills with:

See all Brad's jewelry books at [Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)



MINERAL WITH THE HARDEST TO PRONOUNCE NAME - JEREMEJEVITE

Don Shurtz, Pleasant Oaks Gem and Mineral Club of Dallas



The best way to describe the mineral Jeremejevite is “rare”. It is also extremely difficult to pronounce its name. Jeremejevite has origins in Germany, and in German the “J” is pronounced more like a “Y” – for instance “ja” (yes) is pronounced “ya”. So Jeremejevite would be “yer-eh-may-yeh-vite” or “yer-eh-may-yehv-ite” or even “ye-rem-ay-ev-ite” depending on the source you are listening to. If you listen to the pronunciation on some web sites you will also here it pronounced with a “j” or soft “g” sound such as “jer-eh-me-jer-vite”, but these do not match the German origin of the name. The bottom line is that is as difficult to

pronounce its name as the mineral rare.

Jeremejevite was originally identified as a unique mineral in 1883. The mineral was initially found in the Adun-Chilon Mountains of Siberia but has since been found in Tajikistan, Namibia, Germany, and most recently in Madagascar. Jeremejevite is named for the Russian Mineralogist Pavel Eremeev; his last name becomes Jeremejev in German, thus the source of the name. It normally shows up in top 10 lists for rare and expensive gems ranging from 9 to 2 in most lists. It is significantly rarer than most diamonds, the exception being red diamonds. Its rarity is on a par with Red Beryl which is found only in Utah and New Mexico.



Jeremejevite’s chemical formula is $Al_6B_5O_{15}(F,OH)_3$. The color can be clear, yellow, or blue. Those from Germany are generally of the blue color. It has a Mohs hardness of 6.5 to 7.5 and exhibits a white streak. Although most cut Jeremejevites are less than a few carats, the Smithsonian has a 12.78 carat specimen and the Perot Museum has a 43 carat specimen. The Smithsonian specimen is clear and has numerous hollow tube inclusions stained by iron. The Perot Museum specimen is clear and if you examine it closely you can see a red crystal inclusion under the table facets. For many years, the largest cut Jeremejevite was a 59.68 carat that is pale blue in color. However, recently a faceted 106.5 ct Jeremejevite has been documented by the American Gemological Laboratories.

Ref:

- Proquest, <http://search.proquest.com/>
- Smithsonian National Museum of Natural History, <http://geogallery.si.edu/>
- Wikipedia, <https://en.wikipedia.org/wiki/>

Pictures:

- Blue Crystals: Rob Lavinsky, iRocks.com – CC-BY-SA-3.0
- Faceted Stone: Don Shurtz, specimen on display at Perot Museum of Nature and Science

Via SCFMS January-February 2017 news-letter.



Members and visitors are encouraged to bring the items they have found or bought and share them with the membership.

[MARINE ARCHEOLOGY](#)

I had a great time talking to your group. If anybody is interested in the future here are the web address for some of the available data that I was talking about last night.

Publications and information on shipwrecks
<https://www.boem.gov/GOM-Archaeology/>

Video and
photos of the seafloor
<http://oceanexplorer.noaa.gov/oceanos/>

Daniel Haddock
Marine Archaeologist



Photo from the July Meeting

[UPCOMING WORKSHOPS](#)

Mark your calendars. Upcoming workshops are scheduled for:

October 7 – TBA

October 21 – We will have a class to show how to fuse glass into a self-designed dichroic glass pendant. Each piece will go into the kiln for a 2 hour heat and about a 4 hour cool. These pieces I will bring to the next meeting. After getting the kiln going I will furnish materials for a wire wrapping class. This will be a refresher for some so it might be fun. Estimates time will be 9 to 1 or 2. Class and materials will be \$25.00. Lunch is not included. We have a full class already. Our kiln only holds 9 pieces. -----Charlie Timme

November 11 – Photography Workshop. More information to follow.

[SCHOLARSHIP RECIPIENTS](#)

Frank Okwonko- University of Houston undergraduate. Plans to use the money for a Geology Field Camp this summer.

Brooke Bogan- Member of CLGMS, graduating from Clear Horizons Early College High School and will be attending University of Texas this year.



Ramya Ravindranathan- Originally from India, is a Geology PhD student at University of Houston.





SCFMS and MEMBER CLUB GEM SHOWS

<p>AUGUST 12-13, 2017 GONZALES, LA BATON ROUGE G & M SOC. LAMAR DIXON EXPO CTR. TRADEMART BUILDING</p>	<p>AUGUST 19-20, 2017 BOSSIER CITY, LA ARKLATEX G & M SOC. BOSSIER CITY CIVIC CTR.</p>	<p>AUGUST 26-27, 2017 JASPER, TEXAS PINE COUNTRY GMS THE EVENT CENTER</p>	<p>OCTOBER 14-15, 2017 TEMPLE, TX TRI-CITY G & M SOC. FRANK W MAYBORN CIVIC & CONVEN. CTR.</p>
<p>OCTOBER 14-15, 2017 FORT WORTH, TEXAS COWTOWN GMGC CORPORATE EMPLOYEES RECREATION ASSOC. 3300 BRYANT IRVIN ROAD</p>	<p>OCTOBER 20-22, 2017 AUSTIN, TX AUSTIN G & M SOC. PALMER EVENTS CTR.</p>	<p>NOVEMBER 4-5, 2017 ODESSA, TX MIDLAND G & M SOC. ECTOR CO. COLISEUM</p>	<p>NOVEMBER 4-5, 2017 AMARILLO, TX GOLDEN SPREAD G & M SOC. AMARILLO CIVIC CTR.</p>
<p>NOVEMBER 4-5, 2017 ROUND ROCK, TX PALEONTOLOGICAL SOC. OF AUSTIN OLD SETTLERS HERITAGE ASSOC. 3300 PALM VALLEY BLVD.</p>	<p>NOVEMBER 10-12, 2017 MESQUITE, TX DALLAS G & M SOC. RODEO CTR. EXHIBIT HALL</p>	<p>CONVENTION 2017 SCFMS November 10-12, 2017 Humble, TX Houston G&MS Humble Civic Center 8233 Will Clayton Pkwy</p>	<p>DECEMBER 9-10, 2017 LEESVILLE, LA DERIDDER G & M SOC. WEST LA FORESTRY FAIRGROUNDS</p>
<p>JAN 21-22, 2018 FREDERICKSBURG, TX FREDERICKSBURG ROCKHOUNDS PIONEER PAVILION LADY BIRD JOHNSON PK.</p>	<p>JANUARY 26-28, 2018 TYLER, TX EAST TEXAS G & M SOC. TYLER ROSE GARDEN CTR.</p>	<p>February 24-25, 2018 Clear Lake G&MS Pasadena Convention Pasadena, TX</p>	

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

(Postage)

Meeting 3rd Monday of the Month
 7:30 P.M.
 Clear Lake Park Building
 5001 NASA Parkway, Seabrook, Texas



Member of:

Next Annual Show
 February 24-25, 2018
 Pasadena Convention Center

CLGMS is on the Web:
<http://www.clgms.org>



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.

2017 OFFICERS:	President	Raul Montelongo	832-341-0416
	Vice President	David Tjiok	281-423-4802
	Secretary	Pam Dudley	281-814-1235
	Treasurer	Jerry Newberry	713-705-1030
	Program Director	Vince Barrows	
	Board of Directors:	Shannon Oliver	Jim Edwards
		Mary Wells	John Caldyne
	Newsletter Editor	Annabel Brownfield	

Annual Show 2018	Vince Barrows	Library.....	Vacant
Constitution & Bylaws.....	Sara Chelette	Membership.....	Victoria Faulkner
Community Benefits.....	Vacant	WWW System Admin.....	Mike Flannigan
Historian.....	David Tjiok	Refreshments.....	Doug Dann
Publicity.....	Eddie Dove	Education/Field Trips.....	Annabel Brownfield

Membership Dues Jan. to Dec. 2017: 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

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