

# ROCK-N-ROSE



**THE EAST TEXAS GEM & MINERAL SOCIETY NEWSLETTER**



PAGE 1

VOLUME 44

TYLER, TEXAS

ISSUE 2

FEBRUARY

## Upcoming Shows

FEBRUARY 17-18  
WCGMS GEMBOREE  
COMMUNITY CENTER  
SAN GABRIEL PARK  
GEORGETOWN, TX.

FEBRUARY 24-25  
CLEAR LAKE GEM &  
MINERAL SOCIETY  
PASADENA CONVENTION  
CENTER  
PASADENA, TX.

MARCH 3-4, 2018  
GULF COAST G & M SOC.  
RICHARD M. BORCHARD  
REGIONAL FAIRGROUNDS  
ROBSTOWN, TX.

MARCH 10-11  
SOUTHWEST G&M SOCIETY  
SAN ANTONIO EVENT CENTER  
SAN ANTONIO, TX.

MARCH 30-APRIL 1  
CHIHUAHUAN DESERT  
G&M CLUB  
ALPINE CIVIC CENTER  
ALPINE, TX.

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## THE PRESIDENT'S MESSAGE

Greetings! Everyone,

It has been a historic month for our club. After a great work day to get the clubhouse all clean and shiny, we held our first monthly meeting. We had a really good turnout with both new and old members alike. We have so many new members I am asking everyone to wear your name badges, it will help us learn each other's names. Some of us need all the help we can get. I would like to thank everyone who came to the open board meeting concerning utilization of the clubhouse. We had a good group and a lot of ideas and suggestions were made. Thank you to the members who could not make the meeting who sent me their suggestions and ideas also. Don't forget to send in your articles to the newsletter editor Kinney Polve by the 10th of each month so he can get the newsletter out on time. The one thing I would like to remind everyone, this is your club. It is not just the president's or vice-president's club. We must all understand that it will take everyone pitching in to make things work. One person cannot do everything. The fact is, if no one volunteers then that means it may not happen. So even if you can only help out one hour a week then that is great. We have over 200 members. Just imagine everything that could be accomplished if each member volunteered one hour a week doing something to help the club. I'll leave you with that to think about.

Fred Mahaffey

## Membership Drive

The January show kicked off our membership drive. I can tell you that Kelly Ford was making sure she didn't miss telling anyone about our organization. As a result, we picked up 75 new members, and a few more at this month's meeting. We have over 80 new members, and many of them are already getting actively involved helping with the clubhouse clean up, moving show supplies and equipment into the building, and volunteering to teach classes and take over some of the club positions. It is really an exciting time, but we need to keep the momentum going. Pick up some of the club cards at the next meeting, and let people know about us. We've stayed in the shadows long enough. ETGMS is Tyler's hidden gem, but it is time to let the secret out. So, let's get after it!

## FEBRUARY MEETING MINUTES

The East Texas Gem & Mineral Society met for its monthly meeting on February 5, 2018 at 2015 Deerbrook in Tyler, our new home. The meeting was called to order at 6:45. One visitor introduced himself, though there were several others. There were several new members. Because we had so many new members, Fred gave an overview of what occurs at the meetings. Fred then asked for a motion to approve the minutes from December and January as they appeared in the Newsletter. Terry Roberts made the motion to approve the December minutes and Gene Goar seconded. Gene made the motion to approve the January minutes and Robert Seacrest seconded. Both motions passed.

Fred Mahaffey then gave the Treasurer's report as Colleen was absent and reported that the income from the show was \$11,259.25. The Rolling Rock Club donated \$271 for a scholarship. He also commented on how well the show was covered by journalism.

### ANNOUNCEMENTS:

- Fred announced again that there would be an open Board meeting on Saturday, February 10 at 10AM so we can discuss how to utilize the building.
- Terry said that the Lapidary group will meet at 2PM on February 10 as well. They will discuss the rules and regulations (orientation) of attending. He asked that anyone who had equipment that they wished to donate to call a board member.
- Amy Long spoke for the Mineralogy group. It meets the 2<sup>nd</sup> Tuesday of the month at 6PM. The next meeting is scheduled for February 13. The subject will be Photographing Minerals. There will be a video and a pro-photographer.
- Kelly Ford gave an overview of the field trips planned for the year. See Kelly's article in this newsletter.
- David Russ has taken over as leader of the Fossil group. The purpose will be identification and learning about Geology and how the fossils formed. His specialty is reptiles and invertebrates. He requested names and contact information on the sign-up sheet at the back. Pete Kaiser asked about separate field trips in search of fossils. David said he would be donating a microscope for the Club's use. He has contacts whom can help with other identifications.

Good hunting spots are Lake Texoma, North Sulphur River, Post Oak Creek, etc.

- Newsletter – Kinney requested articles or information of any kind, and pictures.
- Fred had several certificates from last year to present.
- Charles Creekmur was presented with a Lifetime Membership award for being a founding member of our club.

### NEW BUSINESS:

- Kinney made a motion that when there is an absence of the President and Vice-President (as occurred at the January Unofficial meeting), the Board will have the authority to appoint a Moderator for that meeting. Karl Siggelow seconded and the motion passed.
- Mike Goebel asked the Board members to stand for a round of applause for finding the building. Fred singled out Kinney and Vicky for all of their leg work from the purchase to our first meeting.
- Alan Brown made a motion to adjourn the business meeting and John Morrison seconded. The motion carried.

After the drawing of door prize tickets, refreshments, and the beginnings of getting to know each other, the program was presented at about 8:30. Fred had made a video orientation of the Club.

Submitted by  
Julia Toombs, Secretary



2018 ANNUAL SHOW

We had a few hiccups getting things ready for this year's show, but that didn't faze those involved in organizing things. It was looking like we were going to be shorthanded on Friday, but a few extra members began showing up to fill the voids. With more focus on informing attendees about our organization, we signed up 75 new members during the show.



Grand Prize Winners



This year's grand prize winners were Jerry Schwarzbach for the adult prize and Ronnie Wahl for the student. As with every year, we had two, very happy winners.

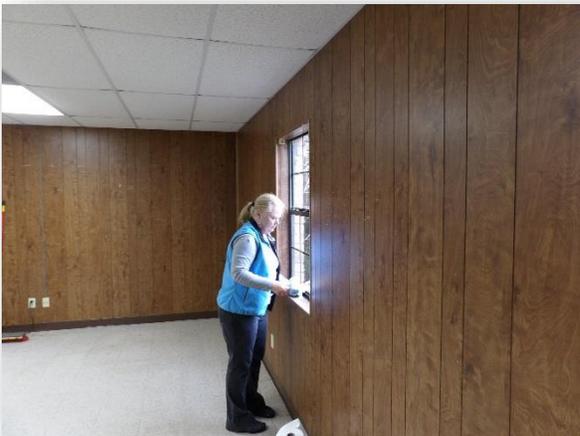
# February / March

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11	12	13 Mineral Group Meeting	14 Valentine's Day ♥	15	16	17 Field Trip
18	19 Fossil Group Meeting	20	21	22	23	24
25	26	27	28	<b>March</b> 1	2	3
4	5 Monthly Meeting	6	7	8	9	10 Lapidary Meeting
11	12	13 Mineral Group Meeting	14	15	16	17 Field Trip
18	19	20	21	22	23	24

**CLUBHOUSE CLEAN-UP**

We held our first work day at the new clubhouse on February 3<sup>rd</sup>. After a few minutes to tour the building, everyone got to work. There was plenty to do and plenty of members to do it. While Sherry Breedlove slaved away cleaning the kitchen, and Fred Mahaffey worked on a bear claw, one of the few breaks he had all day. Everyone found their place and things went rather smoothly. Charles Creekmur went to work repairing chairs, while an army of members started an assembly line cleaning up the 75 donated chairs. Kelly Ford, with her little helper, had the restrooms sparkling. There were several new members, who had joined at the show, eagerly doing their part. Sweepers, moppers, window cleaners, landscapers; we had them all. We started at 9:00 AM and had things ready for the Monday meeting by 2:30 PM.

Kinney Polve



MAKING HISTORY

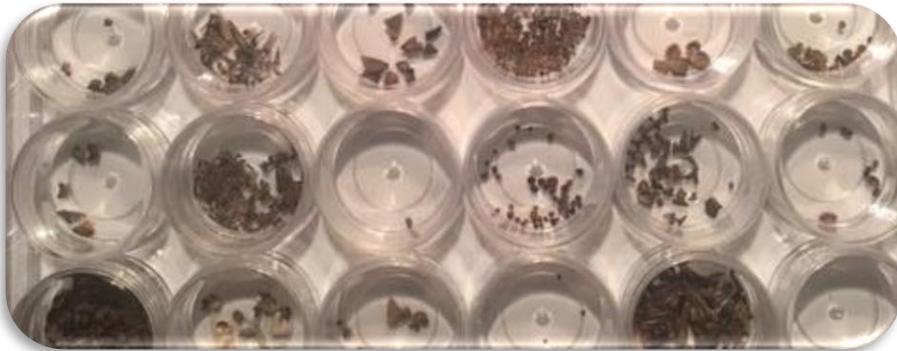
February 5, 2018 was a historic date for ETGMS. Not only did we have a record attendance at the monthly meeting with over 60 members and guests present, but this was the first meeting in over 60 years that the organization has been in existence that it was held in a ETGMS clubhouse. This is the date that we inducted our first lifetime member. Charles Creekmur was presented a certificate by Fred Mahaffey, making him a lifetime member. Charles is the only charter member still active in the club. He has been instrumental in keeping the club going. In 1965, when the club was ready to dissolve, Charles asked the few remaining members to let him try to get the club going again. He has also stayed as active as possible since that time. I always say that members don't realize who volunteers behind the scenes. Charles is one of these members. He's the one that makes sure the contracts go out to the dealers for the annual show and sets up the touch rock tables and fluorescent display. Congratulations Charles Creekmur, and thanks for your many years of dedicated service.

Kinney Polve



**FOSSIL GROUP**

The first meeting of the Fossil Group is scheduled for Monday, February 19th at 6:30PM in our new clubhouse. Also, bring of your favorite specimens for discussion, show or to identify. Also, any items you may have found to be non-fossils to demonstrate what may not be a fossil. If you have extras of any specimens now or in the future, I would like the group to create a fossil display with representative specimens of as many phyla as we can. I'm looking forward to seeing all of you there and kicking off a great addition to club activities. David Russ - [dbruss50@gmail.com](mailto:dbruss50@gmail.com)

**LAPIDARY GROUP**

A historic event in the ETGMS clubhouse occurred on Saturday, February 10. This was the first meeting of the Lapidary/Jewelry Group at the ETGMS' new clubhouse. To help mark the occasion, over 20 members of the L/J group gathered to discuss potential topics for discussion in 2018 and which classes everyone was interested in taking. Because there was so much interest in all the classes Kinney and I proposed to teach, it was decided that several classes in each topic would be needed to accommodate all those who signed up at the meeting. Kinney and I will get together to work out a schedule for the classes at a later time.

There were several new members in attendance, and some of them brought rocks for identification, and some even brought some items that they had created before joining the ETGMS. One lady brought several dozen tumble-polished rocks that she had inherited from her grandmother. Although we tried our best to give her an idea of what she had, we were unable to identify several of them. She also had some that had previously been wrapped and attached to some beautiful beaded necklaces. Several other members of the group also brought some recently completed projects to show everyone. Unfortunately, we were having such a good time looking at all the goodies that we forgot to take pictures for the newsletter. We will try to do better next month.

I brought a new pendant that I had wire-wrapped for a friend in the club. I was trying to work out a new design because my wife had threatened me with severe mental distress if I continued with the old style of wire-wrapping. The first picture shows the first attempt at the new style with copper wire. The second picture shows the final design in 14k gold-filled wire. The cabochon is Chinese turquoise. I would like to hear from the members of ETGMS about which style they think is best or if they have other suggestions.

The topic for the March 10<sup>th</sup> meeting will be different types of lapidary material and polishing compounds.

Terry Roberts - [terry.roberts45@yahoo.com](mailto:terry.roberts45@yahoo.com)



## Eureka It's Specific Gravity

Richard D. Armstrong, CM, GG, ASG, GP, AJP  
CEO, Lonestar Gemological Laboratory, LLC

Specific gravity is a measurement of the density of a material. It can help in the identification of minerals and metals among other things.

The measurement of specific gravity goes back as far as the 3<sup>rd</sup> Century BC to Archimedes, the Greek philosopher. Hiero of Syracuse commissioned a goldsmith to make him a new gold crown. However, Hiero was suspicious that perhaps the goldsmith had mixed silver in with the gold so the crown was not solid gold. He suspected the goldsmith of cheating him. Hiero asked Aristotle to test the crown to see if it was pure gold. The Greeks knew about density, but the problem was in determining the volume of an irregular object. Archimedes spent some time trying to figure out how he was going to do that. One day in the bath, it came to him. An article placed in water will displace its volume of water. By knowing the volume of water displaced the weight of the crown, he could determine its density and compare that to the density of pure gold. As the story goes, Archimedes was so excited that he got out of his bath and ran naked down the streets of Syracuse shouting "Eureka! Eureka!", which is Greek for "I've got it".

We can use this principle of displacement to determine the specific gravity of minerals and gems. Specific gravity is an important property of minerals and is a result of a mineral's chemical makeup and packing of the atoms in its crystal structure. For most minerals, specific gravity is a rather constant value; however, impurities can affect it. The specific gravity of a mineral is its weight in relation to an equal volume of water. Pure water has a specific gravity of 1.0. Specific gravity of a mineral is its weight in air divided by its value of its weight in air minus its weight in water. It seems complicated, but it really is not. Once you know the equation and the technique of weighing a gem or mineral specimen in water, it becomes an easy and quick way of identification. Just a note, the specimen does need to be pure. One that has two or more minerals in it will not give reliable results. The equation is:

Specific Gravity = Weight in Air / (Weight in Air – Weight in Water)

A mineral's weight in air is easily determined simply by weighing the specimen. Determining weight in water is more difficult and the process uses the principle of displacement. Displacement is what makes a ship float. The weight in water is determined using the hydrostatic method.

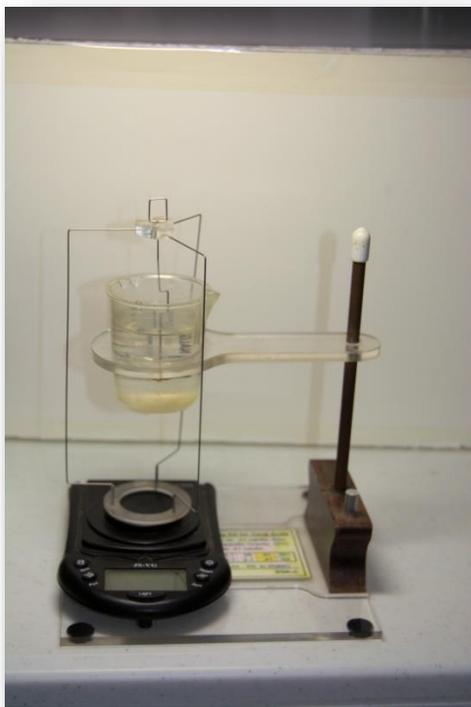
The photograph (*Figure 1*) shows a typical apparatus for determining specific gravity using the hydrostatic method. The specimen is weighed on the scale to determine its weight in air. The apparatus is placed on the scale, and the scale is zeroed out. The specimen is placed in the pan in the water cup making sure the water completely covers the specimen and the weight is read on the scale. The specific gravity is then calculated using the equation above.

Example: A specimen weighs 2 grams in air and weighs 1.5 grams in water.

$$SG = 2 / (2 - 1.5)$$

$$SG = 2 / 0.5 = 4$$

Based on this the specimen may be corundum which has a specific gravity of 4.



*Figure 1*

The photograph (*below*) is a direct reading specific gravity balance invented by Bill Hanneman. The advantage of this device is that one does not have to make any calculations. The specific gravity is read directly from the scale on the balance. It is a little more complicated to use but the instructions come with it.



Another method that is not in use much anymore is to use heavy liquids of known specific gravity. By placing the specimen in one of the liquids, if it floats you know its specific gravity is less than the liquid. If it sinks, it is lower. By using several different liquids, the Specific gravity can be determined within a range. One reason heavy liquids are seldom used is because the liquids are toxic and must be used with care. One liquid that can be used is saturated salt solution (SG about 1.10 - 1.12). The salt solution is very useful for separating amber from plastic imitations. Amber and copal (SG about 1.08) will float in a saturated salt solution while the plastic imitations will sink. The SG of some common minerals:

Opal	1.88 – 2.50
Chrysocolla	2.00 – 2.40
Glass	2.00 – 4.5
Gypsum	2.20 – 2.40
Turquoise	2.31 – 2.84
Obsidian	2.35 – 2.60
Serpentine	2.44 – 2.62
Microcline feldspar	2.54 – 2.57
Orthoclase feldspar	2.56 – 2.58
Amazonite	2.56 – 2.58
Chalcedony	2.58 – 2.64
Quartz	2.65
Beryl	2.66 – 2.87
Calcite	2.69 – 2.71
Dolomite	2.80 -2.95
Tourmaline	2.82 – 3.32
Nephrite (jade)	2.90 – 3.03
Fluorite	3.00 – 3.25
Zoisite	3.15 – 3.36
Jadeite	3.30 - 3.38
Pyrope garnet	3.62 – 3.87
Topaz	3.49 – 3.57
Diamond	3.50 – 3.53
Almandite garnet	3.93 – 4.30
Barite	4.43 – 4.46
Pyrite	5.00 – 5.20
Magnetite	5.2
Copper	8.94
Silver	10.5
Gold	19.3

## I CAN'T VOLUNTEER

By Kinney Polve

I have always wanted, to volunteer,  
But I've always had such, a terrible fear.

I know there are things, that I can do,  
But I stand in the background, and leave it to you.

When I think it's time to get involved,  
All my spare time has been dissolved.

Others volunteer, so why should I?  
It really doesn't matter, I'm still a good guy.

If the job gets done, without my support,  
That is great, because life's too short.  
My time's so valuable, more valuable than yours.  
Calls for volunteers, my ear just ignores.

It's not like I'm needed, so don't ask me.  
Let me enjoy everything, and let me be.  
It's not my fault, if things don't get done.  
Because when it comes to work, I just run.

What usually happens, only a few carry the load.  
Things stop getting done, because it begins to get old.  
It didn't need to happen, I could have helped out.  
I could have done it, there wasn't a doubt.

Now I understand, what I need to do.  
I'm going to help out, like I always knew.  
I'll find a job, that just suits me.  
I'll listen to the call, and heed the plea.



## ETGMS Field Trip Schedule Summary 2018

By Kelly Ford

With the new year comes our new field trip schedule! Exciting! We have lots of interesting field trips planned this year, some familiar and some not so much! We have incorporated a variety of specimens and locations to meet the needs of the group.

Each field trip will be coordinated with two main goals in mind: 1) **you** have fun, and 2) **you** find lots of new specimens to add to your collection. It is also worth mentioning while these are our planned field trips, we may have a few other local trips throughout the year as the opportunity arises. They will be announced at our monthly meetings and in our newsletters.

So, let's take a look at our schedule... since we will all be participating in the show, there normally is not a field trip scheduled in January and my, oh my... I know we are rock hounds and can handle about anything, but it has been too cold, even in Texas! ☺

February 17	Elkhart, TX	Selenite
March 17	Bar M Ranch, Mason, TX	Topaz, Indian relics
April 27 - 29	Grave's Mountain, Lincolnton, GA	Rutile, Kyanite, Lazulite, Iridescent Hematite
May 19	Ladonia Fossil Park, North Sulphur River, TX	Fossils
June 16	Crater of Diamonds, Murfreesboro, AR	Diamonds
August 6 - 10	Keweenaw Peninsula, Michigan	Copper, Agates, Datolite
August 18	Oliver Creek, Justin, TX	Ammonite
September 15	Henderson, TX	Petrified Wood
October 13 - 14	31st World Championship Quartz Crystal Dig, Mt Ida, AR	Quartz Crystal
November 17	Midlothian, TX	Septarian Nodules
December	No Field Trip Due to Holidays	

Note: Schedule may change due to weather or other unforeseen events.

To get started back into our field trip routine I thought we would stay local and go to one of our good and ever producing sites... so off to Elkhart we go to find those beautiful Selenite stars. From there, water level permitting, we will proceed to the Trinity River, where among other things Indian relics are still found.

In March, we will head southwest to Fredericksburg for lodging and then head to the Bar M Ranch. This is a relatively new site (about 6 years) where we will find specimens such as topaz and Indian artifacts. The cost is only \$15 for the entire day of rock hounding. For anyone who may be interested while in Fredericksburg, they have some wonderful winery tours!

While the owner of Grave's Mountain allows rockhounding year around, they sponsor two annual rock and swap meetings a year. The first one is in April (when it is cooler), which we are scheduled to attend. There are too many types of specimens to list on this synopsis but this should be a very fruitful trip. There are also many other attractions in this area to enjoy and attending during one of these events allows for additional support in carrying your treasures that is not normally available!

We will check out Ladonia Fossil Park in May, as apparently there are going to be some changes which will open up new areas to explore.

Craters of the Diamonds is always registered as one of the top ten gem sites in the USA, so we can't miss that this year. Besides, we probably have a lot of young members who would like to start their summer vacation off right! By the way, we have a couple members who have been very successful at finding diamonds, so don't think there aren't any left!

And then there is our big trip of the year... to the Keweenaw Peninsula of Michigan. What can I say except it is a beautiful area! There is a week-long rockfest (my words ☺), that will consist of four digs, a banquet, a speaker, all kinds of activities going on... and you can find lots of copper and agates! At least I did last year! This is going to be an amazing trip. It is right on Lake Superior and did you know you can see the Northern Lights from there?! One of the professors at Michigan Tech is going to give us a tour of the area, which has some amazing geological formations which are billions of years old, not millions like here in our Texas. We will also tour the world-famous A. E. Seaman Mineral Museum. You are going to want to make this your summer vacation! Lots more to come but plan to attend! To give everyone a chance to get ready for this long adventure, I am considering it our July trip. ☺ (But we will likely have a local field trip or two during the summer months to keep our young members busy.)

We will also join the Dallas Paleontological Society for their annual search of ammonites in August, by Justin, Texas. This was a lot of fun last year!

After so much travel in August, I thought everyone would be ready to stay local, so in September, thanks to one of our own, we will search for petrified wood near Henderson, TX. Many beautiful specimens have been found at this location in the past.

The second weekend in October, Mt. Ida, Arkansas sponsors the World Championship Quartz Crystal Dig. This is loads of fun and you can haul back as much as you can carry. There are awards, vendors and all types of events. Last year, only three from our club attended. There were rock clubs and people from all over in attendance, including Japan! We want to get the award for the best represented rock club this year, so please plan to attend! You will not regret it. We will conclude the year by staying relatively local and head to Midlothian to search for Septarian nodules. We will not have a field trip in December due to the holidays. Everyone is busy enough during that time!

So, what do you think? These trips are for you, which brings me to my final and last point... at the start of my article I mentioned two main goals for the field trips, have fun and find lots of stuff... well, my goal is to increase our field trip attendance this year. I will be providing details for each event in plenty of time before the event to assist you with planning, but if you have any questions throughout the year on any of these trips, please do not hesitate to contact me. If you have any suggestions or feedback, again, please do not hesitate to contact me. If there is something I can do to assist you in attending, like travel coordination, etc.... please let me know. We want you to attend these excursions! Thank you and happy rock hounding!

### ETGMS FEBRUARY FIELD

**February 17, 2018, at 9:00 a.m.** we will meet at McCoy's Building Supply, Hwy 79 @ Loop 256 South, Palestine, TX. in search of Selenite cluster stars. The photo to the right is of a specimen from this location. The group will caravan approximately 14 miles to the dig destination from the meeting point. The terrain is sloped but not too difficult to climb. You will want a small shovel, wide brush, spray water bottle, newspaper and box. When finished, we will progress approximately 5 miles to the Trinity River for Indian artifacts. There's a steep slope to climb down/up to the river bed where finds are most likely. You will need a bag to carry specimens. When finished, we will proceed to El Toro Mexican Restaurant for a late lunch. Be sure to wear good shoes and bring plenty of water. Contact me if you have questions.

Kelly Ford

EAST TEXAS GEM & MINERAL SOCIETY FIELD TRIP CHAIRMAN  
2015 Deerbrook Drive, Tyler, TX 75703  
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## SPECIAL CLUBHOUSE MEETING

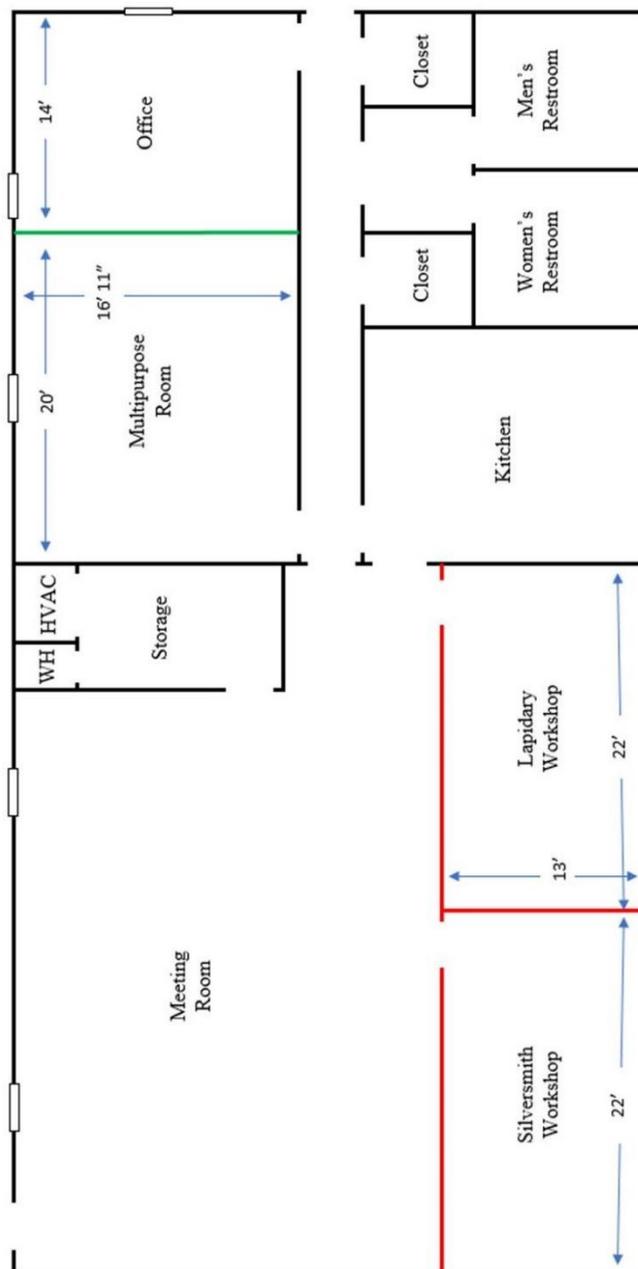
On February 10<sup>th</sup>, we held a special clubhouse open Board meeting. Turnout was lower than I had expected, considering the business to be discussed, but we did have a lot of input from the members that did attend. First, we determined the primary interests of the majority present. Then we discussed how to make it happen. The need for a lapidary and silversmith workshop was at the top of the list. There was also a discussion on where the slab saws would be placed. There was concern about mineral oil mist from the slab saws and tracking it in the rest of the clubhouse. Terry Roberts brought a few options to light, but the general consensus was to put them in a separate building. The building remodel will have to be done in different phases. In the first phase, we will put up a partition wall (as pictured in green on the diagram) in the large room in the front of the building. This will be an office and a multi-use room that will also house cabbing equipment until we complete the second phase. The second phase (as pictured in red on the diagram) will be workshops, possibly 2 or 3 rooms. I stated at the meeting, the cost estimate would be about \$400.00, but it will actually be about \$615.00. Some of the supplies are bulk, and we will have some left over for the second phase. Kelly Ford stated that she would donate the \$400.00 to install the new partition wall. Once we check on whether any permits are needed for the City of Tyler, we can get started with the work. Euva Scott's son, who is an architect, has volunteered to help. It was also mentioned that members should play a more active role in fundraising. If everyone does their part, we can accomplish the goals of the club. Members can raise money to go toward projects that they feel are most important.

Kinney Polve

## CLUBHOUSE NEEDS

I have a lot of members that ask, "What do we need for the clubhouse, and is there a list?" If we published a list of the needs, we could very well have 5 or 6 of the same item, and only need one. Fred Mahaffey has a pretty good idea what is needed for the clubhouse, and he should be the go-to guy, so duplications can be avoided. He did say that we needed a few wall clocks. We still need a lot of storage shelving. We need a safe, and we had discussed using a gun safe which would be perfect for our needs. We need someone to install the automatic door closers on the restroom doors which we already have. We have changed the handles on the exterior doors to handicap access. We will need to replace all of the interior door handles to handicap access, and they will most likely be push button code entry locks. These will need to be purchased. Gene Goar is looking into purchasing a PA system.

Kinney Polve



## Mineralogical Group

There was no information submitted on the Mineralogical group's meeting. Please make an effort to get this information to the editor, so it can be published in the newsletter. In order for our sub-groups to thrive and grow, members need to know what's happening. Meets the second Tuesday of the month. Contact Amy Long - [amy@amydlong.com](mailto:amy@amydlong.com) for more information.

## COMING SOON! BACKYARD ROCK AND EQUIPMENT SALE

CONTACT: KEITH HARMON - 903-316-2967 - [keithharmon19@yahoo.com](mailto:keithharmon19@yahoo.com)

- WHEN: SATURDAY, APRIL 7, 2018, START AT 9AM
- WHERE: 9116 US Hwy 84 West, Rusk, TX 75785
- WHO: KEITH AND TONI HARMON
- WHAT: OVER 50 TONS OF ROCK OF VARIOUS TYPES – INCLUDING BUT NOT LIMITED TO: agates, jaspers, obsidians, Jade, palm wood, Arizona wood, tumbling rough, large rock, Cutting material. USED EQUIPMENT: SAWS, GRINDERS, POLISHING UNITS VIBRATING LAPS, FLAT LAPS, SPHERE MACHINE, TUMBLERS
- COST: ROCK: FROM \$0.50 TO \$4.00 PER POUND AVERAGE
- EQUIPMENT: INEXPENSIVE FOR WHAT IT IS.
- PLEASE - NO EARLY SALES.

**NEWSLETTER CONTENT:** Please send any original info or articles to be included in the newsletter to the Editor at the address or email listed below by the 10th of the month. Please keep your address, phone and email up-to-date, so that we can get the newsletter to you in a timely manner. Out-of-date information costs the club time and money in returned newsletters. If you need an issue dealt with quickly, don't hesitate to call. AFMS & SCFMS Newsletters will be emailed to members, as to not duplicate that information here, unless it needs to be repeated. Board meeting minutes are not published in the newsletter. If you would like to see a copy, contact an officer on the Board. The information in this newsletter may be reproduced for nonprofit use, as long as credit is given to the source. Thank you, Kinney Polve

Check us out on the web: [WWW.ETGMS.COM](http://WWW.ETGMS.COM)

### THE EAST TEXAS GEM AND MINERAL SOCIETY

**Purpose of the East Texas Gem & Mineral Society: Is to promote; the study of Geology, fossils and the Lapidary Arts. The public is always invited to attend regular monthly club meetings.**

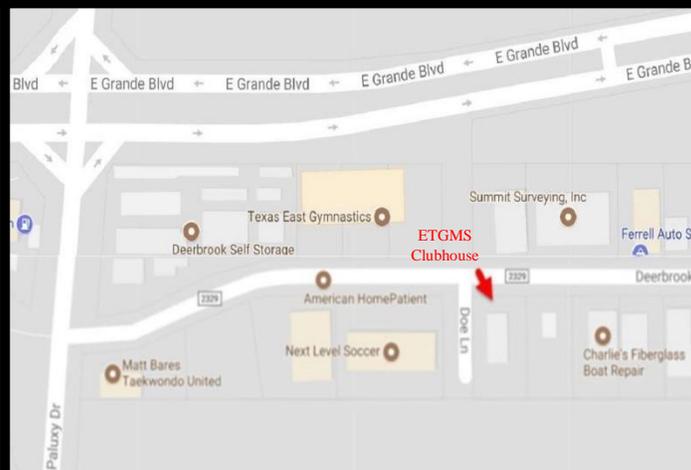
#### ANNUAL DUES:

Single: \$10.00 - Family: \$20.00

#### MONTHLY MEETING:

**WHEN:** First Monday of the month unless it's a holiday, then the second Monday, at 6:45 p.m.

**WHERE:** ETGMS Clubhouse, 2015 Deerbrook Drive, Tyler, Texas



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### **CLUB ADDRESS AND TO SEND DUES**

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