

# THE ROCK RATTLER

PUBLISHED MONTHLY BY

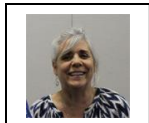
THE ARK-LA-TEX GEM AND MINERAL SOCIETY

VOLUME: 46

NO. 2



## Presidents Message - by Nina Hustus



The decorations have been taken down, the resolutions are still going strong and, fingers crossed, the cold wave has left us. This can mean only one thing. A New Year!!!!!! Traditionally this means change and that is sure true of your Gem and Mineral club. We have seen new officers and a new board member, door prizes now provided by your club, and several other changes. There is one constant in life and that is change. Our club is no different. Please let the board know if you have any ideas that you would like to share, changes to be made or field trips and classes you want. I would like to end my first President's message by sharing my gratitude, for Tony and Del's work all these past years, for Sharron's help in just about everything,

and to all the members that have made this club such a wonderful place to be. From the bottom of my heart, "Thank you."

## **Minutes** for 1/2/18 - by Secretary Lauren Brown



Welcome

Pledge and Prayer by Nina Hustus

**Our Show in August:** Changed hours To Open at 9 on Saturday - 9 to 5, Close at 4 on Sunday - 10 to 4. Facet demo person (Jim Marler) passed away. Larry has volunteered to facet at show.

**Shop:** Laura McWilliams will be our new Head Shop Steward she will Schedule stewards, Assist with students, Maintain equipment. Let her know what is broken or needed using new list by sign-in book. Cabbng equipment in saw shop will be available during classes. Let her know a few days in advance if you want to come by at night to work (not Wednesdays) Others scheduled Lyn – 1<sup>st</sup> Thursdays day, Tony – 3<sup>rd</sup> Thursdays night. Call John or steward to turn on heat or cool in saw shop during difficult weather. *Check our Facebook page for actual shop open days and time before coming.*

**Meeting Location:** Historical Center is booked for next two months. See Newsletter for place and time of our meeting.

**Door Prizes:** Will now be provided by the club. Only a few people were brining things and it was mostly scraps. Using club stock - Bill and Nina organized for the year. 10 and 12 each meeting. Members can still bring things if they want

**Problems:** Nina gave out contact cards with the following info- Nina Hustus 318.464.8270 [NinaRocks@bellsouth.net](mailto:NinaRocks@bellsouth.net) Let a board member know if someone is missing from a meeting so we can contact them.

**Field Trips:** Tony is Field Trip Coordinator. Absent due to weather. Laura found Picasso Jasper in Oklahoma and suggests field trip. Tony sent West Texas ranch email. Lady is selling lodge. Need to coordinate trip. Laura looking for contact in Castor for agate. Del has a lead and Laura's family may be able to help with info.

**Prayer :** New sign up sheet next meeting to address the diversity in the club. Person who does prayer gets first pick of door prizes.

**Names:** Nina will bring name tags (optional) Will put an answer to the monthly question on tag To promote friendships

**Sale Table:** At front when people come in, 2 items per member, Put your name, what it is, price. Can be anything

**Press Releases:** Goal to get our club in the paper once per month, like Club meeting info Upcoming classes. Does anyone have contacts? Kathy – BAFB paper, Lauren – BPCC channel ad with meeting info and Nina's email

**Programs** – Presented by Bill Eaves, VP

February – bench worker

March – GIA society member gem discussion

April – fossil jewelry (discussing with Del)

May – Lyn presenting on opals

June – pearls (asking for member volunteers and info)

July & August – Sue the T-Rex documentary

September – 10 most rare gems by Lyn

Request for member suggestions and presentations

Sign-up sheet for presentation next meeting

Bill passed out club information cards for when you meet someone interested in the club. 500 more ordered.

**Rock of the Month:**

February - For the love of rocks

March - Kissing the Blarney Stone & rocks of Ireland

April – Fools Gold

May – What are desert roses?

July – Red why and blue rocks

August – Showy rocks

September

October – Scary and poisonous rocks

November – Rocks we are thankful for – bring your favorite rock!

**Equipment for Sale:** Presented by Marjorie , See List below

Nina provided refreshments

**NEXT MEETING: “New Location”**

**Tuesday Feb 6** Gathering 5:30pm Board meeting 6:00pm Meeting starts 6:30pm

Location for Feb meeting is **Shady Grove Library** (Aulds room) [3950 Wayne Ave, Bossier City](https://www.bossiercityla.gov/3950-Wayne-Ave-Bossier-City)

Directions: Hwy 71( Barksdale Blvd) 2.1 miles south of Barksdale West gate, turn left onto Shady Grove dr. and go down 7 streets to Wayne Ave. and turn left and follow to Library.

**Refreshments** by: Lauren Brown

**Program :** “Bench Worker” Brought to you by- VP Bill Eads





**Member Spotlight:**

**Member Profile Questions & Answers  
Donald (Don) Gednetz**



**Where were you born and raised?** A small town (pop. 700) in Ohio named Beloit. I was born at home, not in a hospital. Beloit is about 50 miles away from Cleveland.

**What started your interest in rocks?** Collected arrowheads and lots of plant fossils as a boy. Went to Kent State University, and in my sophomore year, took my first geology course. I had a great teacher!

**What was your favorite rock experience, rock adventure?** My job working for the Canadian Geological Survey. Spent several months doing geological mapping in the Yukon. This involved camping and traveling with pack horses.

**Other than rockhounding and lapidary what are your other interests?** Reading. I like reading everything. Also going to gun shows.

**The wisest thing anyone has ever told me was?**

No one has ever told me anything wise or given me good advice.

**I am happiest when?** I find a really good crunchy cookie, with chocolate in it, to eat.

**Rock of the Month:** Love of Rocks



Don't forget Valentines day

**Sale Table:** **NEW this year** - Bring up to two items you wish to sale.



### **Upcoming Classes :**

BEADING Saturday & Sunday Jan. 20 & 21, 9 to 5 at Club Shop. We have just finished sorting all the fabulous beads given us by our past Beading Instructor, Barbara Clevinger. There will be a FANTASTIC assortment of beads for you to work with!!! Our guest instructor, Ms. Kevynne Shorey is an unusually outstanding instructor and you will enjoy her class!!

**Demonstration:** *The Mysteries of RETICULATION, KEUMB-BO, and MOKUME GANE.*  
Saturday, Jan. 27. All are quite unique methods of texturing, adding the look of gold

inexpensively, and multi-metal material for exotic jewelry. Demonstrations are free. Held at our Club Shop on Open Shop Day at 1:00PM, last about two to three hours. Come see these unique methods.

Class fees must be paid at least 14 Days before classes.

For information call 903-839-6744 and make checks payable to:

Tom Stringfellow

168 address 16856 Cardinal Lane

Troup, Tx 75789

## Member Photos-

### Marjorie Thomas list of sale items

#### Jewelry Tool List

Plating Machine	Wax Injector
Four New Jewelry Cases	Ring Expander, New
Money Box	One Jewelry Box filled with Silver Rings
3 Hammers and Mandrel	Calipers
3 vices	Wood Work Bench, 4 Drawers
Milling Machine	One Drill press with Bits
One Wooden Cabinet for Holding Tools	2 kinds of hand saws
A tool to pick up stones	Pin Holder, Removable Holder
All Polishing Ringer Holder	1 50 lb. Box of Plaster of Paris
1 Centrifugal Caster	1 Vacuum Caster
1 Vacuum Machine	1 Buffing and Polishing Machine
1 Oxygen and Gas Set Up	1 Big Torch
1 Very Small Torch, with multiple tips	1 Flexible Shaft, with lots of cutters and bits
1 Steam Cleaner Machine	1 Mini Torch Holder
1 Allset, New	1 7-shelf rack with 48 bins
1 set of scales	Ultrasonic ring cleaner
Many Loose Stones	Wax Carver
Some Silver Dollars for Casting	Kiln
Dapping Set	Combination Roller and Mill
Steel Sizing System	Gem and Diamond Template Set
1 Microscope and Stand, New	Benchmate
Propane Hand-held Torch	Flask
A Lot of How-To Books	

As of 10/22/2017

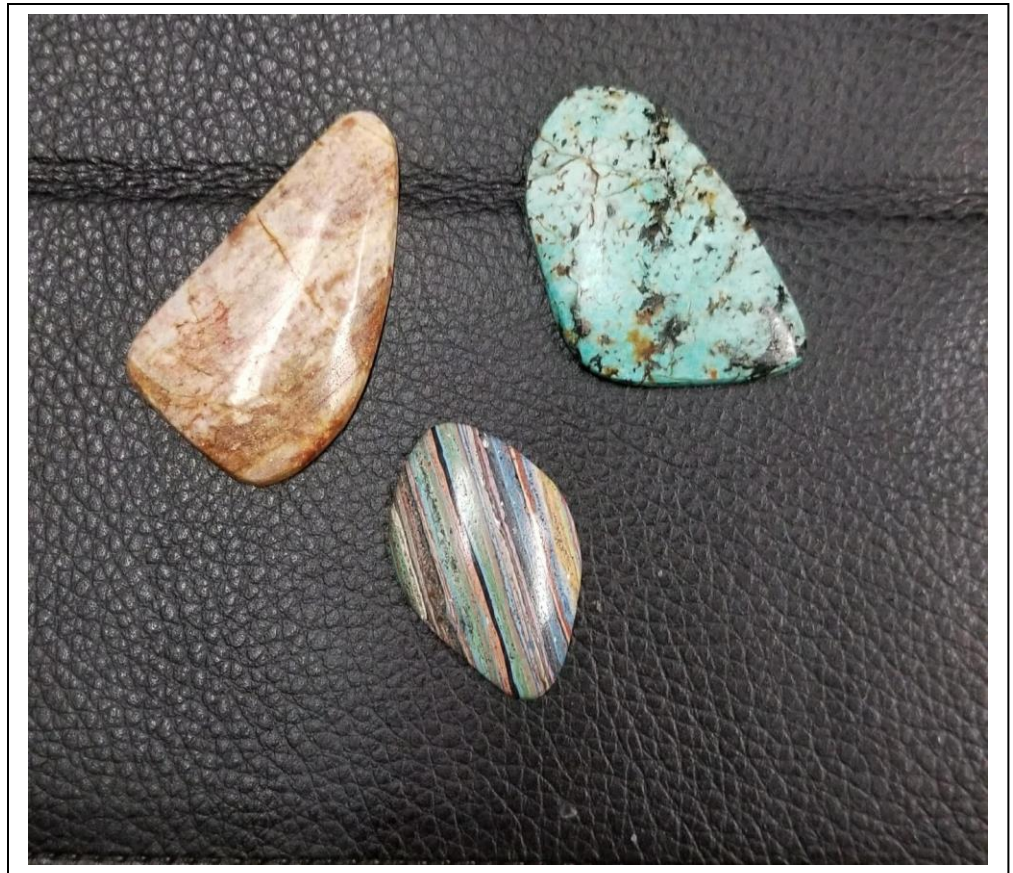
*Margery Thomas*

*Contact Buddy Minchew*

*318-927-2403*

*318-548-1540 cell*

Laura McWilliams Creations





## Shows

### January 2018

**20-21—FREDERICKSBURG, TEXAS:** Annual show; Fredericksburg Rockhounds , Pioneer Pavillion ; Lady Bird Johnson Park , Hwy 16 South; Sat. 9-6, Sun. 10-4; Free Admission; Minerals, fossils, meteorites, geodes, stone carvings, jewelry. Vendors from the southwest geologists to identify your mystery rocks, silent auction. ; contact Jim Gedeon, 1156 Old Willow Rd., Fredericksburg, TX 78624, (830)-456-5419; e-mail: [gedeonjim@gmail.com](mailto:gedeonjim@gmail.com)

### 26-28 – Tyler, Texas Gem Show

Any one want to carpool? At Rose Center at the Fairgrounds, Visit East Gem & Mineral Club webpage – for details.

[http://www.etgms.com/annual\\_show.html](http://www.etgms.com/annual_show.html)

### February 2018

**24-25—JACKSON , MISSISSIPPI:** Annual show; Mississippi Gem and Mineral Society , Mississippi Trade Mart on State Fairgrounds ; 1200 Mississippi Street; Sat. 9-6, Sun. 10-5; Adults \$6, Students \$3, Children free 5 and under; Dealers of gems, fossils, minerals, jewelry, lapidary tools, beads, and more Demonstrations of lapidary art including flint knapping, cabochon cutting, and jewelry making Exhibits and educational opportunities by colleges and state organizations ; contact Leslie Lane, MS, (601)-344-8171; e-mail: [rock2lanes@gmail.com](mailto:rock2lanes@gmail.com); Web site: <http://missgem.org>

**17-17—LLANO, TEXAS:** Annual show; Friends of the Llano Red Top Jail, Llano County Community Center; County Rd 152; Sat. 8-5; Free Admission; This fun, educational and free event is for Prospectors, Rock Collectors, Treasure Hunters, and Metal Detecting enthusiasts to get together, share ideas and experiences. There will be a limited number of commercial vendors, and a swap meet outside for noncommercial individuals selling items related to the theme of the show. A silent auction will be held to benefit the historic Llano Red Top Jail renovation.; contact Frank Rowell, 805 Berry St, Llano, TX 78643, (325)-248-1067; e-mail: [frank@enchantedrocksandjewelry.com](mailto:frank@enchantedrocksandjewelry.com); Web site: [prospectingtexas.com](http://prospectingtexas.com)

**24-25—PLAINVIEW, TEXAS:** Annual show; Hi Plains Gem and Mineral Society, Ollie Liner Center; 2000 S Columbia; Sat. 10-6, Sun. 10-5; Adults \$2, Students \$1, Children free; We will have a Kid's Wheel, Silent Auction, and various dealers selling rocks, minerals and fossils. We will also demonstrate silversmithing, flint knapping, wire wrapping and how spheres are made. We will have a raffle that will benefit the local university geology scholarship fund.; contact Bobby Shipman, 1616, Ennis St., (806)-685-3748

**24-25—PLAINVIEW, TEXAS:** Annual show; Hi Plains Gem and Mineral Society, Ollie Liner Center; South Business I-27; Sat. 10-6, Sun. 10-5; Adults \$2, Students \$1, Children free; Dealers will have rocks, minerals, jewelry, fossils for sale. There will be a Kid's Wheel, Silent Auction, and snack bar. We will have various demonstrations of silversmithing, wire-wrapping, flint knapping, and various lapidary arts. A grand prize raffle and hourly door prizes add to the fun.; contact Bobby Shipman, 1616 Ennis Street, Plainview, TX 79072, (806)-685-3748; e-mail: [bobcat22@suddenlink.net](mailto:bobcat22@suddenlink.net); Web site: n/a

### March 2018

**10-11—SAN ANTONIO, TEXAS:** Annual show; Southwest Gem and Mineral Society, San Antonio Event Center; 8111 Meadow Leaf Dr. , Near corner of Marbach and I-410; Sat. 10-6, Sun. 10-4; Adults \$5, Seniors/Military \$3, Students \$2 w/ID, Children under 12 \$1; 57TH Fiesta of Gems. Rocks, minerals, fossils, jewelry, gemstones, silent auction, hourly and grand prizes, games, exhibits, make your own cabachon, parking \$3; contact Robert Bowie, TX 78133, (830)-387-1766; e-mail: [krbotx@gvtc.com](mailto:krbotx@gvtc.com); Web site: [www.swgemandmineral.org](http://www.swgemandmineral.org)

### March 2018-April 2018

**30-1—ALPINE, TEXAS:** Show and sale; Chihuahuan Desert Gem & Mineral Club, Alpine Civiv Center; 801 W. Holland Ave., (W. Hwy 90); Fri. 9-6, Sat. 9-6, Sun. 10-5; Free Admission; Inside and outside vendors. Exhibits (non-competitive).; contact Judith Brueske, PO Box 195, Alpine, TX 79831, (432)-244-9503; e-mail: [ocoent895@gmail.com](mailto:ocoent895@gmail.com)

### April 2018

**7-8—SILOAM SPRINGS , ARKANSAS:** Annual show; Northwest Arkansas Gem and Mineral Society , Siloam Springs Community Building; Mt Olive Street; Fri. 9-5, Sun. 10-4; Adults \$3; Demonstrations, displays, silent auctions, door prizes. ; contact Dave Leininger, 14029 White Oak Lane, Bentonville, AR 72712, (479)-721-1579; e-mail: [hulagrub@aol.com](mailto:hulagrub@aol.com); Web site: [www.nwarockhounds.org](http://www.nwarockhounds.org)

**14-15—ABILENE, TEXAS:** Annual show; Central Texas Gem & Mineral Society, Abilene Convention Center; N 6th & Pine; Sat. 10-6, Sun. 10-4; Admission \$3, Children 6-12, \$1.50; under 6 & Scouts and Military in uniform free; Central Texas Gem & Mineral Society. Exhibits, Wheel of Fortune, dealers, fossils, rare minerals, cut and uncut gems, fluorescent display, lapidary supplies and rough, jewelry making equipment, beads, Crack your own Geode, Silent Auction, door prizes, grand prize drawing; proceeds benefit scholarship program. ; contact Kay McDaniel, 3118 Woodglenn Cove, Abilene, TX 79606, (325)-668-8558; e-mail: kmcdaniel23@suddenlink.net; Web site: www.new.calichetimes.com

## May 2018

**5-6—LUBBOCK, TEXAS:** Show and sale; Lubbock Gem and Mineral Society, Lubbock Memorial Civic Center; 1501 Mac Davis Lane; Sat. 10-06, Sun. 10-05; Adults \$4, Seniors \$3, Students \$2, Children Free; 60th Anniversary show; This year the Lubbock Gem & Mineral Society is Hosting the South Central Federation Convention (SCFMS). Vendors with Jewelry, Loose Stones, Rough, Cabs, Slabs, Geodes, Beads, Gemstones, Mineral Specimens, Crystals, Fossils, Spheres, and Lapidary Tools. Hourly door prizes. Drawings for two grand prizes, one for Kids and one for Adults. Numerous display cases and large rocks in our "rocks you can touch" area! Our kid's area will have games and grab bags, and we will feature our new fluorescent tent with rocks that "glow in the dark". Proceeds support the LGMS (501(c)(3) organization), and scholarships in the Earth Sciences at Texas Tech.; contact Walt Beneze, PO Box 6371, Lubbock, TX 79493; e-mail: walt@lubbockgemandmineral.org; Web site: www.lubbockgemandmineral.org

**26-27—FORT WORTH, TEXAS:** Annual show; Fort Worth Gem and Mineral Club, Will Rogers Memorial Center; 3401 West Lancaster; Sat. 10-6, Sun. 10-5; Adults \$5, Seniors/Students \$4, Children 16 and under free; Gem, mineral, fossil, bead & jewelry shop ; contact Janice Craddock, PO Box 123975, Fort Worth, TX 76116; e-mail: fwgmc.info@gmail.com; Web site: www.fortworthgemandmineralclub.org

## Aug. 18-19

**BOSSIER CITY, LA** – The Ark-La-Tex Gem and Mineral Society will host their 43<sup>rd</sup> Annual Gem and Mineral Show, , at Bossier Civic Center in Bossier City. Hours of operation are 9 a.m.-6 p.m. on Saturday, Aug. 18 and 10 a.m.-4 p.m. on Sunday, Aug. 19. Admission is \$4 daily. Admission is free for children under 6 years of age. Parking is free at Bossier Civic Center and refreshments will be available for purchase.

Vendors at the show will be selling custom and unique jewelry, beads, gems and minerals including amethysts, emeralds, jade, pearls, fossils and more. Educational programs will include: exhibits by society members; demonstrations on how to convert a rough mineral into a piece of wearable or displayable jewelry or art; making cabochons from rough slabs; a step-by-step guide to the process of faceting; how-to instruction on the use of equipment; presentations on "knapping," by the Chippallotta's, the ancient art of arrow-head making, and more. There will be a kids' scavenger hunt on Saturday with prizes for the first 60 participants. Door prizes will be awarded hourly throughout the event.

**The "Chippallotta's" are a sub-chapter of the Ark-La-Tex Gem and Mineral Society. While their overall goals are the same as the Club, they provide their education in a somewhat different manner. They do demonstrations for local Scout groups, civic and church groups, schools, and other venue as they are available. They provide instruction to anyone interested in wanting to learn the art of flintknapping. They also assist one another in refining their flintknapping techniques. They are a storehouse of knowledge regarding points, point types, and general information regarding paleo to historic flintknapping tools, materials and techniques.**

**Meetings are almost every week at Leo Perry's shop (previously Dixie Monument Company)address is 1170 highway 80, Haughton, La , across the street from Brookshires. They try to get started between 6 and 6:30 PM, and stay around until around 8 to 8:30 PM. Anyone interested in learning how to flintknapp, or just to learn a little bit more about the process are welcome to drop by.**

**INFO :**

## Uses for Quartz Crystals

One of the most amazing properties of quartz is the ability of its crystals to vibrate at a precise frequencies. These frequencies are so precise that quartz crystals can be used to make extremely accurate time-keeping instruments and equipment that can transmit radio and television signals with precise and stable frequencies.

The tiny devices used for these purposes are known as “crystal oscillators.” The first crystal oscillators were developed in the 1920s, and just twenty years later, tens of millions of them were needed each year to supply the military during World War II

During World War II, the government demand for quartz for use in radios increased and some **Arkansas** mines came under federal control.

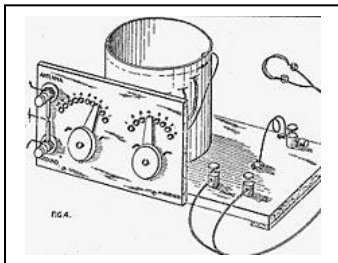
WW II Radio



WW II Quartz Crystal



During World War II, the critical need for oscillator-grade quartz in communication equipment brought about a rapid expansion of prospecting and mining. With Federal agencies and private mining companies participating, mining rights received more careful scrutiny and free-for-all operations dwindled. As part of the Federal program to stimulate domestic production of oscillator quartz for the war effort, the Metals Reserved Company established a buying station at **Hot Springs** in June of 1943. About 75 percent of the oscillator quartz mined in the district during this year, amounting to more than 4,000 pounds, was tested at this station.



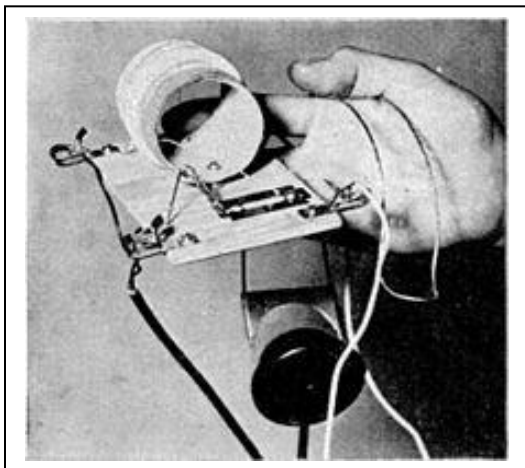
US Bureau of Standards 1922 circular "A simple homemade radio receiving outfit" taught Americans how to build a crystal radio

Today Quartz is lap grown and billions of quartz crystals are used to make oscillators for watches, clocks, radios, televisions, electronic games, computers, cell phones, electronic meters, and GPS equipment.

A wide variety of uses have also been developed for optical-grade quartz crystals. They are used to make specialized lenses, windows and filters used in lasers, microscopes, telescopes, electronic sensors, and scientific instruments. The material of beach sand is now the material of the world's most advanced electronic devices.

In addition to mineral crystals, the oxide coatings of many metal surfaces act as semiconductors (detectors) capable of rectification. Crystal radios have been improvised using detectors made from rusty nails, corroded pennies, and many other common objects.

When Allied troops were halted near Anzio, Italy during the spring of 1944, powered personal radio receivers were strictly prohibited as the Germans had equipment that could detect the local oscillator signal of superheterodyne receivers. Crystal sets lack power driven local oscillators, hence they could not be detected. Some resourceful soldiers constructed "crystal" sets from discarded materials to listen to news and music. One type used a blue steel razor blade and a pencil lead for a detector. The lead point touching the semiconducting oxide coating (rust) on the blade formed a crude point-contact diode. By carefully adjusting the pencil lead on the surface of the blade, they could find sensitive spots, of iron oxide, capable of rectification. The lead of the pencil is made of graphite and clay and so it would inhibit further corrosion that would result if copper or iron wire was used in its place. Any further corrosion at the point of contact would ruin the diode effect found at that spot and further adjustment would be necessary. The sets were dubbed "foxhole radios" by the popular press, and they became part of the folklore of World War II.



"Foxhole radio" used on the Italian Front in World War 2. It uses a pencil lead attached to a safety pin pressing against a razor blade for a detector.

### **Websites to look at:**

Rock Identification Key

<http://www.rockhounds.com/rockshop/rockkey/index.html>

Homemade Radio 1922

<http://nvlpubs.nist.gov/nistpubs/sp958-lide/016-018.pdf>

### **Officers for 2018:**

**President – Nina Hustus** pochance@bellsouth.net 318-464-2870 Shreveport, La

**Vice President – Bill Eads** wceeds@me.com 303-859-5821 Spring Hill, La

**Secretary – Lauren Brown** lauren@animationnerd.com 318-678-61119 Bossier City, La

**Treasurer – John Autry** john.autry451@gmail.com (318) 210-9416 Haughton, La

**Board Member – Lyn Simms** lyncsimms@gmail.com 318-865-2453 Shreveport, La

**Board Member - Andrea Saddler** sattlera@bellsouth.net 318-423-1526 Bossier City, La

**Board Member - Tom Stringfellow** TomString@aol.com 903-839-6744 Troup, Tx

Others:

Field Trip Coordinator – Tony Thomas

Head Shop Steward – Laura McWilliams

Show Chairman – Del Glasner

Newsletter Editor – Del Glasner

P.S.

If you know of someone that is having surgery, has had a major trauma, is seriously ill or has lost a close loved one, please let me know so that I can send a card from the club.

Del

Send in photos of your craftwork or comments via email: [lrockclub@gmail.com](mailto:lrockclub@gmail.com)

Facebook – <https://www.facebook.com/ArkLaTexGemMineralSociety/>

Website - <http://lrockclub.com/>