



# The Rock Rattler

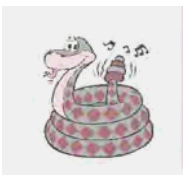
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**THE ARK-LA-TEX  
GEM AND MINERAL SOCIETY**

PO BOX 6633  
BOSSIER CITY, LA. 71111



The Rock Rattler is a monthly publication of the Ark-La-Tex Gem and Mineral Society located in Bossier City/Shreveport, Louisiana. The society is affiliated with the American Federation of Mineralogical Societies (AFMS) and the South Central Federation of Mineralogical Societies (SCFMS). Permission is given to reproduce this document all or in part with the proper credit given. Articles with no byline are by the editor.

The Ark-La-Tex Gem and Mineral Society is a nonprofit educational organization devoted to promoting interest in the various earth sciences, particularly the art of lapidaries and their related fields. Informational speeches presented at area schools and the presentation of awards and cash prizes at the Public School Earth Science Fair are two of the ways the society achieves its goals. Another contribution to the community is the annual show, held at the Bossier Civic Center, 620 Benton Rd, in Bossier City. This "Jewelry, Gem, & Mineral Show" functions as a fund raiser for our group and a venue for the demonstrations of gold and silver casting, jewelry making, bead stringing, faceting, cabochon making, and flint knapping (the art of flaking stone tools such as arrowheads). The monthly meetings included programs of interest to rock hounds, information from the Rock Rattler, and jewelry making classes complete the educational objectives of the club.

From:  
ARK-LA-TEX GEM AND MINERAL  
BOX 6633  
BOSSIER CITY, LA 71117-6633

The Ark-La-Tex Gem and Mineral Society meets at 6:30 on the 1<sup>st</sup> Tuesday of each month at the:  
Bossier Parish History Center, 2006 Beckett St. Bossier City, LA 71111

# THE ROCK RATTLER

Presidents Message –  
Join us August 21-22 at the Bossier Civic Center because...

AT LAST...IT'S  
SHOWTIME

Note: Our Tuesday, August 3rd, meeting will start early beginning with snacks at 6:00 pm and business at 6:30 pm. There is still work to do on show so please attend!




Program will be: Photographing Agate

Refreshments will be provided By: Cristy Holder

Door Prizes will be provided By: Al & Lyn Simms

Time to prep for the next show and we will be talking about some of the preparations at the next general meeting. Charlie Johns will need 6 – 8 volunteers to load up the trailer on Friday Morning before the show, unload and setup on Friday morning and break down on Sunday at the end of the show. They need to bring a pair of gloves. I will have the sign-up sheet for work areas for the show at the meeting so **everyone** that can, should show up at the general meeting

*ARK-LA-TEX*  
**GEM and MINERAL SOCIETY**




36<sup>th</sup> Annual Gem & Mineral Show  
Bossier Civic Center 111 Bossier City, Louisiana

**LOOK FOR**  
 Amethyst: AUGUST 21, 2010 10 A.M. – 6 P.M.  
 Agate: AUGUST 22, 2010 10 A.M. – 5 P.M.

**Ask about classes**

Custom and Unique Jewelry, Gems and Minerals wait for you

At the  
**Bossier Civic Center**  
Hourly Door Prizes

**EDUCATIONAL**  
 Exhibits by the Society members. Demonstration on how to collect rough mineral into a piece of wearable Art Jewelry. Making Cabochons from rough stones. A photo-etched display of Fossils. How to Use the 50-point Rock Guide. Jewelry with accents art of making Agate beads – cabochon setting.

**Rollins**  
 INFORMATION BOOTH: There will be a member of the ARK-LA-TEX Gem and Mineral Society on hand to discuss all aspects of the society and "Rollins".

**ADMISSION \$4.00 Daily (NOTE: Paid Cash goes for \$1.00 off one admission.)**  
 Free admission for children 8 & under. Students with I. D. cards: \$1.00  
 For information, Call Charlie Johns, (318) 697-4026

**ROLLIN ROCK MEETING 9 A.M. AUGUST 22**  
 SEE OUR WEB SITE: [www.arkrockclub.com](http://www.arkrockclub.com)

# THE ROCK RATTLER

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## Minutes of the General Meeting July 6

Called to Order - President Del Glasner

Pledge of Allegiance to the Flag – Oakley Davis

Opening Prayer – Cristy Holder

Old Business:

- Show Report - Cristy Holder
  - Vendor reservations have reached full capacity. Currently 22 vendors confirmed. One of which is Gilmer Rock Shop.
  - Members were asked to sign-up for show jobs on sheets provided. Help was requested by vendors to unload before show and again to load up after the show.
  - Friday Dealers Dinner- we will pick up the BBQ from Podnuh's BBQ and serve ourselves . Sign-up if you plan to attend.
  - Members will bring deserts. Sign-up if you will bring a desert.
  - Charlies Johns we will have six different screens on the billboards. Will provide flyers and info to news media outlets.
  - Tickets were offered for sale to members 10 ea for \$20.
  - Items are needed for silent auction. Request should be sent to members.
- Classes – Tom Stringfellow
  - Reported on the Fun class in etching. After the class a better type of ink was discovered that may be of use.
  - Future classes will be scheduled for the show sign-up.

New Business

- Bill Hart we now have a new blade and oil on our 24" slab saw. Cost for members to use is a donation of every third slab cut to club.
- Another place we could rent for a larger classroom was found at 803 Mason in Bossier City for \$575.
- Show and Tell - Tom Stringfellow brought some examples of Intarsia, Larry brought a poppy rock and donated some pipe wood to members, and Kieth Tindell brought a fossil slab.
- Larry has offered to donate a hand truck to the club for use in loading/unloading for show.
- Next months program on photographing agates needs a close-up photographer. Wil House agreed to contact Ike House and see if he could show us how.

Program

Program was delivered from the web about American Masters of Stone – (Intarsia) using Bossiers Historical center projector.

Door prizes were furnished by Edna House and Larry Maquire

Motion for Adjournment made, seconded and passed.

# THE ROCK RATTLER

## CLASSES

Tom Stringfellow is putting together class information to be introduced at our show. Other members that would like to teach a class are invited to contact Tom.

## UPCOMING CLASSES

Come to the next meeting and let us know what classes you would be interested in or email [larockclub@gmail.com](mailto:larockclub@gmail.com)

**Membership in Ark-La-Tex Gem & Mineral is required to take a class.** All classes are held in the our classroom, 1780 E. Bert Kouns #806. The class schedule is subject to change based on expected attendance and instructor availability.

Membership dues are \$15 per individual or \$20 per couple or \$25 for the whole family!! This gets you the monthly newsletter, class room access, and some of the best people to be around in the world!! Pass on a membership application to someone you know - today!!

### ARK-LA-TEX GEM AND MINERAL MEMBERSHIP APPLICATION

Name (s) \_\_\_\_\_

Address \_\_\_\_\_

Renewal? Yes / No Phone #'s \_\_\_\_\_ E-Mail \_\_\_\_\_

Membership Option: Individual: \_\_\_\_\_ Couple: \_\_\_\_\_ Family: \_\_\_\_\_

(Check One) \$15.00 \$20.00 \$25.00

Mail to: Ark-La-Tex Gem and Mineral Society

PO Box 6633

Bossier City, LA 71111

Or Come to a meeting and pay in person!! on the 1<sup>st</sup> Tuesday of each month

6:30 pm

Bossier Parish History Center

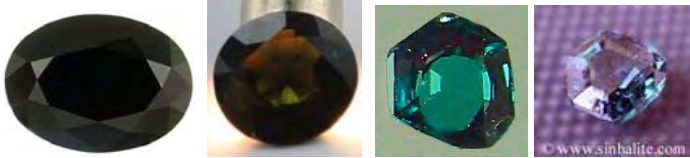
2006 Beckett St.

Bossier City, LA 71111

# THE ROCK RATTLER

## Ten Rarest Gems on Earth ( 3 of 10)

### 3. **Serendibite** USD \$1.8-2 Million/Carat



This is a cyan colored stone that comes from Sri Lanka (Ceylon) – its full color range is blue, blue green, gray blue, light yellow, and dark blue. It is Pleochroic: Strong; X = pale yellow, yellow-green to blue-green; Y = almost colorless, pale yellow, blue, blue-green; Z = light to dark blue. Its name is derived from Serendib, the old Arabic name for Sri Lanka, as referenced in *The Sixth Voyage of Sinbad* and elsewhere. It is also found in New York and California, the Northwest Territories of Canada, Russia, Tanzania, and Madagascar. So far there exist only three faceted (cut) specimens of 0.35 carats, 0.55 carats and 0.56 carats. The first two were discovered by rare stone specialist D. P. Gunasekera and purchased by the late Prof. E. J. Gübelin of Switzerland. The larger of his two, shown above, far right, was sold for about \$14,300.00 per carat.

## EDUCATION

### Bet You Didn't Know.....

#### WHAT'S SO SPECIAL ABOUT ARKANSAS QUARTZ CRYSTALS?

Arkansas quartz crystals are regarded as some of the world's finest. The quartz in the Ouachita Mountains contains very little contaminants. Water-clear quartz is the specialty and it is found throughout the mountains. Ron's Mine, the Old Coleman Mine, is distinguished not only as the largest producer, but also as the purest source for quartz crystal. The uniqueness of this deposit is a result of how the quartz developed. Most quartz has been formed through volcanic activity, where fractures on the earth's crust allowed hot silica-laden water based fluids, heated to high temperatures by volcanic activity, to leach into crevices within the earth. As the fluids passed along their route, contaminants were introduced by the various minerals these fluids came in contact with. When the fluids encountered favorable conditions, silica began to be deposited and from that quartz mineral grew.

Crystals found in the Ouachita Mountains are thought to have formed in a different and non-volcanic manner. The forces created during the building of the mountains are thought to have "squeezed" water from the underlying unit of shale and sandstone. Because of the depth of the burial of the sandstone and shale units (perhaps tens of thousands of feet) and also, as a result of high pressures developed within the sedimentary units during the mountain building process, water was heated to very high temperatures (260 degrees C/500 degrees F). This hot water, derived from trapped original sea water, was very different from fluids originating from igneous sources, in particular, it contained fewer dissolved minerals. You can easily see the difference if you compare samples of the crystals. Quartz from Brazil and Chile are both volcanic in origin. Although crystals from either source can be well formed, the difference in clarity is truly noticeable due to different conditions of growth.

Written by Jon Erlandson in Gem Cutters News via The Trilobite, February 2001

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## Do You Think You Have Found A Meteorite?

Here Are Some Ways To Identify Meteorites! by Will Juvet

### Meteorite I.D.

#### #1: the magnet test

Meteorites have three basic groups: iron, stone, and stony-iron. Almost all contain iron and nickel, so the first step is the magnet test. Iron and stony-iron meteorites will stick to a magnet.

#### Meteorite T.D. #2: weight

Iron is heavy so it should feel much heavier than a regular rock its size. It is another key way to identifying meteorites!

#### Meteorite I.D. #3 crust

When a meteoroid goes through our atmosphere, the meteoroid, now called a meteor, heats up a lot! The surface of the meteor will melt and give it a thin, dark crust called fusion crust. True fusion crust does not occur on normal rocks so it is a good way to identify meteorites.

#### Meteorite I.D. #4: regmaglypts

Regmaglypts or "thumbprints" are oval dents about the size of a peanut on the surface of many meteorites. This also happens to meteors during their trip through earth's atmosphere. It is another way to identify meteorites.

The only way to be sure you have a meteorite is to go to a lab, but you still can be pretty sure you might have one if your specimen matches at least 3 out of the 4 characteristics I have listed.

Article from *The Pegmatite*, 4/10; via *Rocky Trails*, 10/09.

# THE ROCK RATTLER

## Up-Coming Shows & Links:

(Nearby)

**AUG 28-29** JASPER, TX  
Pine Country G&MS Events Center.

**AUG 28-29** Ozark Earth Science Gem, Mineral, Fossil Club's Annual Show. - Van Matre Senior Center. Mountain Home, Arkansas.

**SEP 11-12** Siloam Springs, AR  
NW Arkansas Gem & Mineral Society swap meet. No Charge to set-up. Sat. 9-6 Sun. 10-5  
Information  
[rockfish43@sbcglobal.net](mailto:rockfish43@sbcglobal.net)  
[hulagrub@aol.com](mailto:hulagrub@aol.com)

For an expanded list of Show Dates go to:  
[www.rockngem.com](http://www.rockngem.com)

For a list of Knap-ins dates go to:  
<http://www.eskimo.com/~knapper/knapins.html>

Resource for children and their families:  
<http://www.gatorgirlrocks.com/home.html>

**WOMEN IN MINING EDUCATION FOUNDATION**  
<http://www.womeninmining.org/>

**Ark-La-Tex Gem & Mineral Society Website**  
[larockclub.com](http://larockclub.com) Updates:  
See the Rock Rattler Downloads page for a new group of downloads called "Download How To Do It Plans".

Help Wanted

Editors Note: **Pebble Talk** was placed in the Rock Rattler for a number of years, and was the vehicle by which the activities, interests, and other interesting member and club tid-bits were made known to all the Club members. It has been suspended for some time, and someone may want to accept the task of reinstating it. Please let the editor know if you are interested.

## Submissions to the Rock Rattler being sought

Any submission to the newsletter will be welcomed and greatly appreciated. If you have a newsworthy item or have expertise in a specific area and would like to write a technical article, please submit it. Poetry, lapidary facts and humorous submissions are also encouraged. Also, if you have any ideas for articles or other things that you would like to see in the Rock Rattler, please send your information and comments to your editor-Del Glasner P.O. Box 759, Benton, La 71006 or email [larockclub@gmail.com](mailto:larockclub@gmail.com)

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## Mt. St. Helen's Puzzle



**ACROSS:**

1. \_\_\_\_ darkened skies in eastern Washington and eventually circled the globe!
2. A powerful sideways explosion that surprised scientists: \_\_\_\_ blast.
5. \_\_\_\_ Lake was a popular recreation site before the eruption.
6. First name of the famous lodge owner who lived on the shores of the lake in 5 ACROSS.
8. A 5.1 magnitude \_\_\_\_ caused the top of Mount St. Helens to collapse, triggering an eruption.
11. The pile of dacite rock inside Mount St. Helen's crater is called a lava \_\_\_\_.
13. Rock filled with air bubbles that forms quickly, and may float on water.
14. Type of mountain formed when material is ejected from below the earth's surface.
15. Seeds and insects carried by \_\_\_\_ have aided in the return of life.

**DOWN:**

1. \_\_\_\_ Cave is a 1,900-year-old lava tube on Mount St. Helens' south flank.
2. This purple flower was one of the first plants to colonize the blast zone.
3. Indonesian work for 7 DOWN.
4. Mount St. Helens erupted on \_\_\_\_ 18, 1980.
7. Fast flowing mass of mud, water, and debris.
8. Animals that travel in herds and feed on grasses in the blast zone.
9. \_\_\_\_ are mounds of rock and dirt that used to be a part of the summit of Mount St. Helens.
10. An \_\_\_\_ is when a volcano spews steam, ash, or lava.
12. Underneath \_\_\_\_ and ice, some life survived the eruption.

12. Snow  
 10. Eruption  
 9. Hummocks  
 8. Elk  
 7. Mudflow  
 4. May  
 3. Lahar  
 2. Lupine  
 1. Ape  
**DOWN:**  
 15. Wind  
 14. Volcano  
 13. Pumice  
 11. Dome  
 8. Earthquake  
 5. Harry  
 5. Spirit  
 2. Lateral  
 1. Ash  
**ACROSS:**



Topinka, USGS/CVD, 1999, USGS Photo by L.Topinka, May 19, 1982  
 Crossword Courtesy U.S.Forest Service Volcano Review, 1999



# THE ROCK RATTLER

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## It's SHOWTIME!!!!

August 21, the start of our annual show, will be here before we know it!! That means it is time to start thinking about volunteering NOW. **Our club needs the help of its members** during the 3 days we are putting on our annual show. Friday is setup day and Saturday & Sunday are show days.

For those of you who have not worked during one of our shows, you will be working with other club members and will be shown what to do! Each area has a chairperson who will orient you to the "job". So, you do not have to worry about not knowing what you will be doing. Remember, once it was all new to us, too!

### WE NEED YOU!!

**YOU can make a difference! Without you, our society members, it would be impossible to fill the many time periods necessary to make the 2010 show the best show yet! Over 100 volunteer shifts need to be filled. Please let us count on you. Wear club clothing or Name tag so we know you are a member.**

### VOLUNTEER!!!

Please give the attached form to Del Glasner or Charlie Johns at the August

meeting; or, mail the form to: Ark-La-Tex G&M

P.O. Box 6633

Bossier City, La 71111

or, call Del Glasner at 318-517-7372 to sign up.

**Here's a list of volunteer positions and the duties required.**

#### **Friday Set-up/Sunday Take-down – August 20st and 22nd**

As many volunteers as we can get are needed during the day on Friday and from 5:00 PM on Sunday. On Friday, materials such as our display cases, sand buckets from the classroom storage, must be loaded in the trailer, and brought to the Civic Center, unloaded and set-up. On Sunday, after the show is over, everything must be packed up, loaded in the trailer, and delivered back to the storage area. This is a strenuous job and requires lots of lifting, loading, and unloading.

**This is such an important time—if there were more volunteers the load would be so much lighter for everyone!**

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## **Ticket Sellers – August 21st and 22nd**



Two people are needed for each 2-hour time slot. Responsibilities include collecting money and handing out tickets at the entrance doors. This position requires either sitting on a stool or standing. Requirements include a pleasant, friendly, helpful, courteous, and kind personality. At times, ticket sellers are very busy. This is a very important position because ticket takers are the "first impression" that people get of our society.

## **Ticket Takers – August 21st and 22<sup>nd</sup>**



Two people are needed for each 2-hour time slot. Responsibilities include taking tickets at the entrance doors, tearing the ticket in half, depositing one half in the box, and giving the second half to the guest. This position requires either sitting on a stool or standing. Requirements include a pleasant, friendly, helpful, courteous, and kind personality. At times, ticket takers are very busy. This is a very important position because ticket takers are the "first impression" that people get of our society.

## **Information Table – August 21st and 22<sup>nd</sup>**



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# THE ROCK RATTLER

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Two people are necessary for each 2-hour time slot. Responsibilities include answering questions concerning the show and providing information about our society's activities. Information attendants should be able to direct visitors and provide information about everything from who is in charge, to where a particular dealer is located. This position requires sitting at the information desk. The ability to be pleasant and helpful, without getting flustered, is important.

## Junior Rockhound Raffle – August 21st and 22<sup>nd</sup>



Two people per 2-hour time slot are needed. Responsibilities include encouraging people to purchase tickets for the raffle of the many items available. It is extremely important to be friendly, inviting, cheerful, and encouraging without being insistent. The main objective is to point out the items that may be won with only a \$1.00 ticket.

## Exhibits – August 20<sup>th</sup>, 21st and 22<sup>nd</sup>



Two to four people are needed for each 2-hour time slot. Display cases must be assembled and this usually requires two people working together.

## Show Security – August 21st and 22nd

Two to four people are needed for each 2-hour time slot. Responsibilities are to observe people, watch for those acting in a disorderly manner (for example,

drunk, smoking, or shoplifting), and report it to Show Chairman, Committee Chairperson, Armed Security. Show Security guards should NEVER confront or accuse anyone, ONLY report it. Greeting the public in a friendly manner is also important. This position requires walking around or standing.

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## Demonstrations – August 21st and 22<sup>nd</sup>



People are needed to demonstrate their skills during each 2-hour time slot. The area is large enough for several demonstrators to present simultaneously. This is the opportunity to greet the public and show-off by participating in beading, wire wrapping, chain making, or any other lapidary skills.

## Silent Auction – August 21st and 22<sup>nd</sup>



One person per 2-hour time slot is needed. This position includes greeting visitors and Explain different auctions. Help set up an auction. Collect money from winners and make direct sales. A lot of fun, you get to see what is offered for sale !. This position maybe carried out while seated.

## Mining/Fossils – August 21st and 22<sup>nd</sup>



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Nine people for each 2-hour time slot are necessary to run the mining area effectively. Duties include keeping buckets filled, collecting money, and keeping lines moving. For the fossil dig, volunteers will be briefed on what fossils are available in the dig. There will be a card available with fossil samples.

## Dinner on Set-up Day – August 21st

Bar-B-Que Dinner will be served to the dealers, society members on Friday, set-up day. Sign-up if you would like to eat with the dealers. Also if you would like to bring a desert.

## SIGN UP FORM

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Best time to call: \_\_\_\_\_

Positions interested in:

\_\_\_\_\_  
\_\_\_\_\_

Please circle times you are available (2 hour shifts)

Friday (August 20th) Set-up and Lunch committee 9am 11am 1pm 3pm

Saturday (August 21st) 9am 11am 1pm 3pm 5pm

Sunday (August 22nd) 10am 12pm 2pm 4pm 5pm (take-down)

Please give this form to Del Glasner or Charlie Johns at the August meeting;

or, mail the form to:

Ark-La-Tex G&M

P.O. Box 6633

Bossier City, La 71111

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# EVERY MEMBER IS A VOLUNTEER