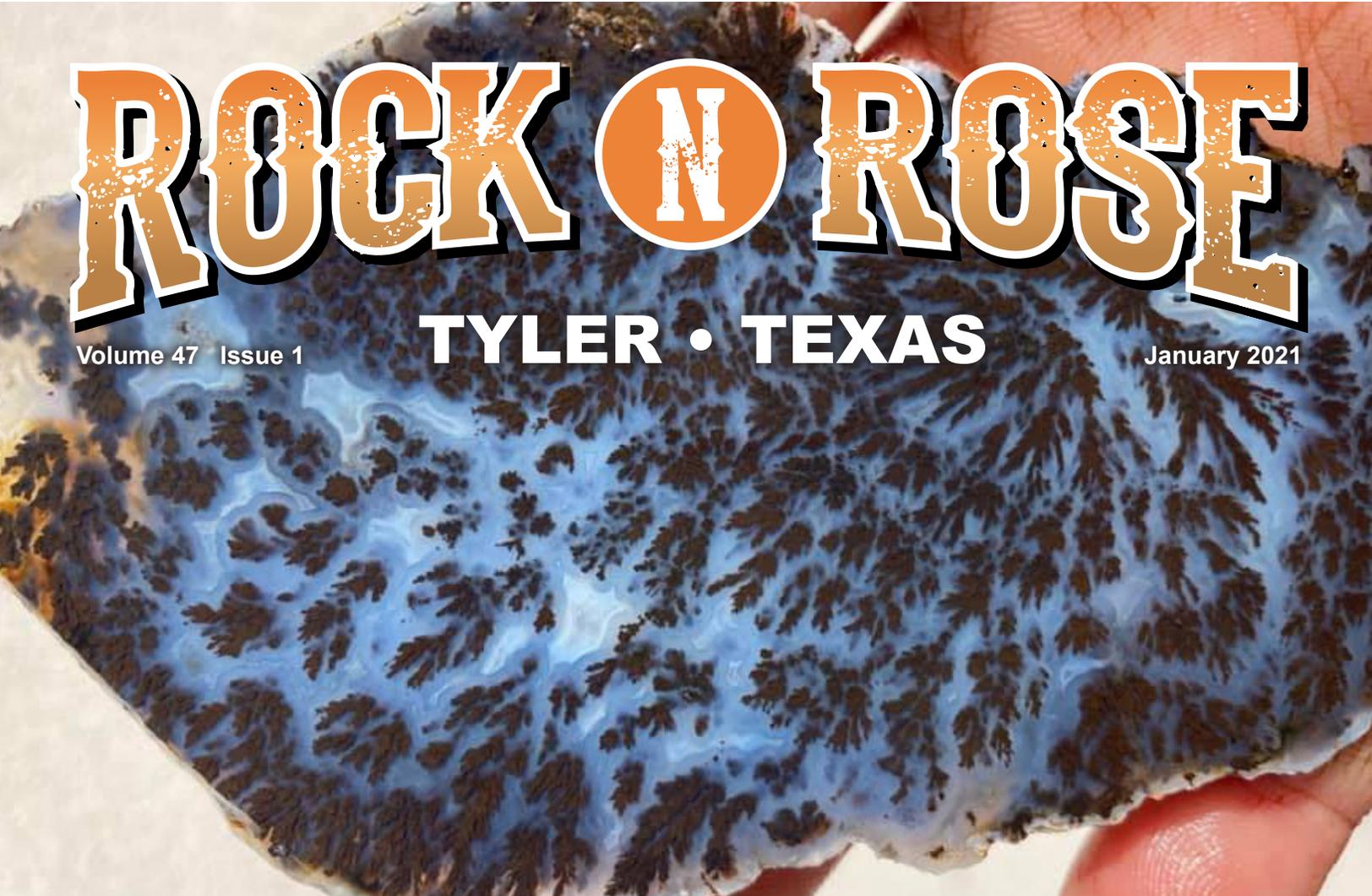


ROCK N ROSE

Volume 47 Issue 1

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January 2021



Cover Photo: Aaron Thomas

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ROCK N ROSE

THE EAST TEXAS GEM & MINERAL SOCIETY NEWSLETTER

UPCOMING EVENTS

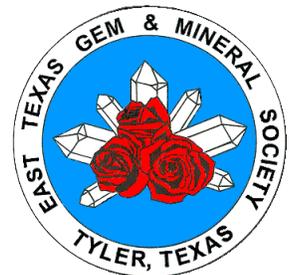
January 22 - 24, 2021
 East Texas Gem & Mineral Society
 Texas Rose Garden Center
 Tyler, Texas
CANCELLED

February 2021
 Club Meeting
CANCELLED



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Rock-N-Rose Newsletter

231 Scott Street
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PRESIDENT'S MESSAGE

David Russ

Hello All,

It's been a dismal year for club activities but there have been lots of opportunities for individual efforts to get out and do some rockhounding. Just a small amount of research will put you on to collecting sites. The biggest issue for those of us in East

Texas is usually the distance we have to travel. This might make it more of an individual effort due to the difficulty of getting groups access to sites and the "logistics" of dealing with a larger number of people. We have a number of people happy to suggest locations for you to check out. State roadmaps in conjunction

with a number of fine online geology apps can help you become a rockhounding Indiana Jones or whoever. I'm not putting a lot of stock in many upcoming changes for the better so start developing your individual rockhounding skills. Hoping for the best for everyone.

Passing of Bill Pattillo

Julia Toombs

While doing some research to allow the pictures of the Rock Food Table to be used in a video, it was necessary to contact Keith Harmon. We needed a photograph of the Pattillos. It was then that I found out that Bill had died a couple of years ago. I went to the Corpus Christi newspaper on-line and found his obituary. He passed away on May 6, 2019. Bill & wife Lois were the creators of the Rock Food Table and traveled all over the United States displaying it at Gem & Mineral shows. Lois is in a nursing home and not well.



ROCKHOUND OF THE MONTH

Lynn Metcalf January 2021

We are proud to announce

Lynn Metcalf

as the January 2021 Rockhound of the Month.

She has aided Margaret Kilanski in proofreading the website and, over the years, has made several suggestions to improve ETGMS operations and our experience. She has also contributed articles to the newsletter. You are very much appreciated.

Passing of Billy Holbert

Memorial Article in the February Issue

Create Your Own Field Trip

By: Julia Toombs

I KNOW everyone has been missing our ability to gather as a group. A fellow member told me she was thinking of ordering from this website:
<https://u-digfossils.com/buy-shale/>

If you need different scenery from your home, you can drive to Utah and collect on your own. For \$79.99+\$20 S&H, you can order 40 lbs of shale from the U-Dig Quarry. The shale contains 500-million-year-old trilobites of many species. You will also receive instructions for splitting the shale and cleaning your finds and a fossil identification key. There may be other fossils as well.

Be sure to check out the videos on their Facebook page.

I promise, we will meet again.

Shop Time

By: Terry Roberts

I finished doing some wire wrapping and cabbing recently and decided to take pictures while the sun was shining. The first two pictures show some small Almajo Agates that I cabled for earrings; one for my daughter (she gets first choice when we go visit her) and my wife gets the other pair. Since my fingers can't manipulate wires on such small cabs, I will ask Marcia Graham to do it for me. Of course I will "sweeten" the deal by giving her some nice cabs as a reward for her kind help.



The last two pictures show some cabs that I wire wrapped recently. The first wire wrap shows a beautiful green and yellow flower-garden jasp-agate cab that Matt Dillon made from a rock he found on a road in south Texas northwest of Larado. I'm pretty sure it originated in Mexico and was brought in by the Rio Grande in one of its ancient courses and deposited in a gravel bed now mined for gravel by the County to cover rural roads. He asked me to wire wrap it for his wife, Leslie. The last photo shows a very nice Chrysocolla in quartz (chalcedony) matrix cab, which can also be called gem silica. I believe they call it gem silica so someone can charge even more for a Chrysocolla cab at a gem show. Regardless, I'm taking this one to my daughter as well.



MINERALS OF NEW MEXICO

By Charles Creekmur

New Mexico has a long history of mining and mineral production. The historic period began about 1540 with the exploration of the area by the Spainards, but there is evidence that Sandia Man of more than 20,000 years ago and Folsom Man of about 10,000 years ago were making use of minerals for tools, ornamentation, and pigment. Even before the Spainards, Native Americans were mining turquoise in numerous locations, not only for ornamentation, but to be used as a form of trade or barter. Evidence of "chicken ladders" (notched logs) have been found in some of the old turquoise prospects where the Indian miners could climb up out of the hole with straw baskets of ore on their backs. Agates, jaspers, and obsidian were commonly used as weapons, arrowheads, or scrapers, because of their ability to break into sharp edges or points. Azurite (blue), malachite (green), hematite (red) and limonite (yellow) were being utilized for pigments. Halite was used in meat curing and seasoning. In all, more than 40 different mineral species have been found in Native American sites. In the Chico ruins more than 50,000 pieces and items of turquoise were recovered. One of the most spectacular discoveries made by the prehistoric Indians of New Mexico was that of the triboluminescence of quartz. "Lighting sets" found in the Pecos ruins consist of a rectangular base with a groove in it and a rounded piece of pure white vein quartz that when rubbed together produce a strong internal glow in the dark. This was more for entertainment, a toy, rather than for any utilitarian purpose.

By the mid 1600's the Spainards had discovered and documented many mineral deposits. Of course, their main

interest was in gold and silver but more common minerals like halite (salt) were being transported 700 miles to the silver mines in southern Chihuahua, Mexico. The extensive coal deposits provided



SPANGOLITE
BLANCHARD MINE,
BINGHAM, NM



QUARTZ on BARITE
Tex-Mex Mine,
Bingham, New Mexico



ARAGONITE
Santa Rosa, New Mexico



SMITSONITE
zinc carbonate
Kelly Mine,
Magdalena, New Mexico



Spec # 1943
ORTHOCLASE baveno twinned
Rock Springs Canyon, Organ Mtns, Dona
Ana Co., New Mexico
from the Charles Creekmur Collection



POLYHALITE
10th ore zone
Intrepid Potash East Mine
Carlsbad, New Mexico



TURQUOISE
Orogrande, New Mexico



MINERALS OF NEW MEXICO



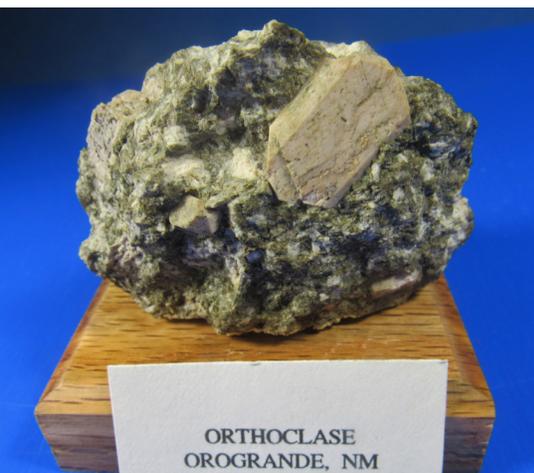
MOLYBDENITE, FERROMOLYBDENITE
Questa Molybdenum Mine,
Questa, Taos Co., New Mexico



AURICHALCITE
Blanchard Mine,
Bingham, New Mexico



BARITE
Tex-Mex Mine,
Bingham, New Mexico



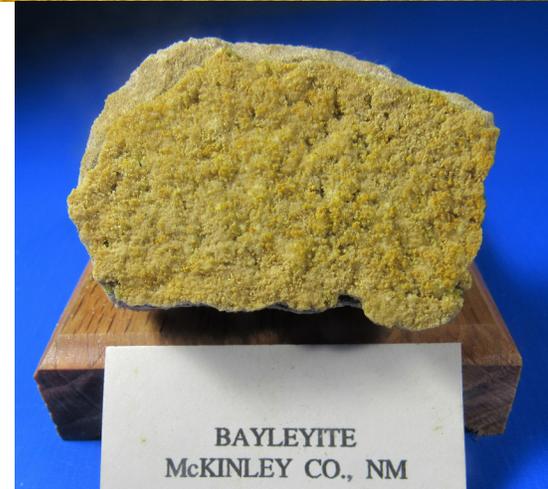
ORTHOCLASE
OROGRANDE, NM

fuel for mining and heat. The Pueblo Revolt occurred around 1680 when the Indians, tired of enslavement to work in the mines, revolted and drove the Spaniards out. Mining ceased almost entirely for a period of several years. It was not until 1685 that the first official mining permit was issued by the Governor and Capitan General for a mine in the Frey Cristobal Mountains.

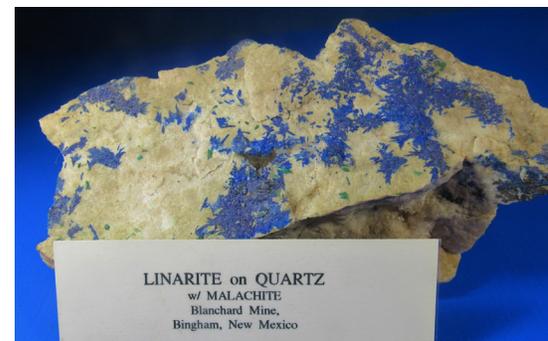
Today New Mexico ranks near the top of the list in mineral production in the US.

Most of New Mexico's mineral production comes from coal, copper, potash, salt and oil. Other commodities produced in the state include a variety of industrial minerals (including stone and aggregate), sulfuric acid, molybdenum, gold, uranium, and silver.

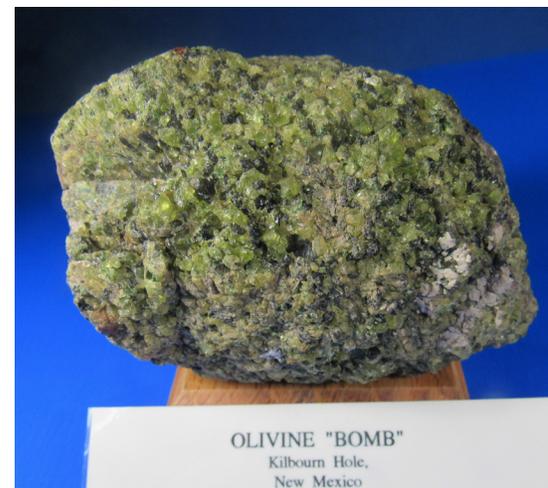
A healthy energy and mineral industry is vitally important to the economy of New Mexico and to maintenance of public education and services. The mineral industries provide property and corporate income taxes, while their 35,000 direct employees contributed millions of dollars of personal income taxes (New Mexico Energy and Minerals Division, 2015). The number of mines and actual tonnage of produced minerals has declined in recent years (McLemore, 2017). This decline is a result of numerous complex and interrelated factors. Some of the more important factors include declining profits in mineral operations, decreased quality of ore (for example, lower grades and more difficult ore to process), competition from the global market, and a shift from coal-generated electricity to alternative energy sources. New mines face a multitude of challenges, including water availability, water rights issues, public perceptions, a complex regulatory process and public opposition to mineral exploration and mining.



BAYLEYITE
McKINLEY CO., NM



LINARITE on QUARTZ
w/ MALACHITE
Blanchard Mine,
Bingham, New Mexico



OLIVINE "BOMB"
Kilbourn Hole,
New Mexico



CYANOTRICHITE on BARITE
BLANCHARD MINE,
BINGHAM, NM



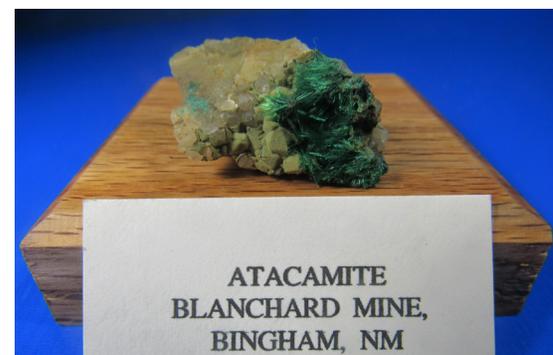
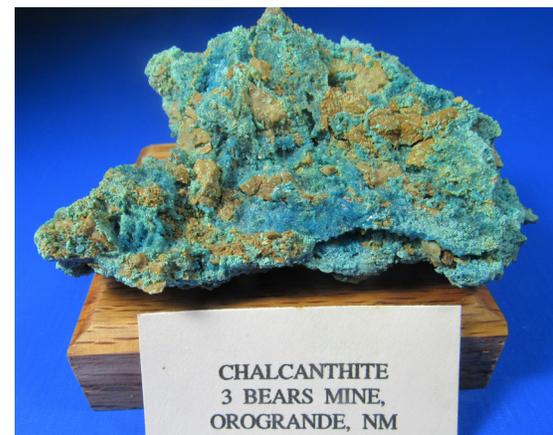
MINERALS OF NEW MEXICO

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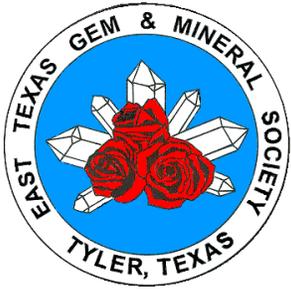
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2. More than 250 mineral species have been identified from New Mexico making it a mineral collector's paradise.

3. During the late 1950's to the mid 1960's the author collected the state extensively. Pictured below are just a few of the hundreds of specimens of New Mexico minerals in his collection.



DUES, DUES, DUES



It's that time of year again!! To keep your membership current, your dues need to be paid by the January meeting. We encourage everyone to pay early so you don't accidentally forget and get dropped from the mailing list. Please make sure you complete the form in its entirety. Adult members are 18+. Please check if the member is an Adult or Junior. The yearly member fee is \$10 for an individual and \$20 for a family. Also, be sure to list your interests, so we can better serve our member's needs.

If you plan to mail in your dues, the club's address is on the last page of this newsletter.

EAST TEXAS GEM & MINERAL SOCIETY

MEMBER REGISTRATION FORM

Date Paid _____ Dues Paid _____ Cash _____ Check _____

Name(s) _____ Adult _____ Jr. _____
 _____ Adult _____ Jr. _____
 _____ Adult _____ Jr. _____
 _____ Adult _____ Jr. _____

Address _____

City _____ State _____ Zip _____

Email _____ Newsletter via email Y ___ N ___

Special Interest in Club _____

Home Phone _____ Work/Cell Phone _____

GROUP MEETS

Lapidary / Jewelry Group

Meets on the second Saturday of each month at 2:00 pm, except December and January.

Terry Roberts leads this group. Contact Terry to have your name added to the email.

terry.roberts45@yahoo.com

Mineral Group

Meets every second Tuesday of each month at 6:30 pm.

Charles Creekmur heads up the group. Contact Charles to have your name added to the email.

calcite65@gmail.com

Fossil Group

Meets every third Tuesday of the month at 6:30 pm.

David Russ heads up the group. Contact David to have your name added to the email.

dbruss50@gmail.com

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903-714-3330

dbruss50@gmail.com

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Terry Roberts

TREASURER

Marcia Graham

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NEWSLETTER CONTENT

Please send original articles to rocknrosenewsletter@gmail.com.

Please send in a Microsoft Word format that can be edited.

The 10th of the month is the deadline.

Board minutes are not printed in the newsletter. If you would like to see a copy, contact a member of the Board.

THE EAST TEXAS GEM AND MINERAL SOCIETY

The 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

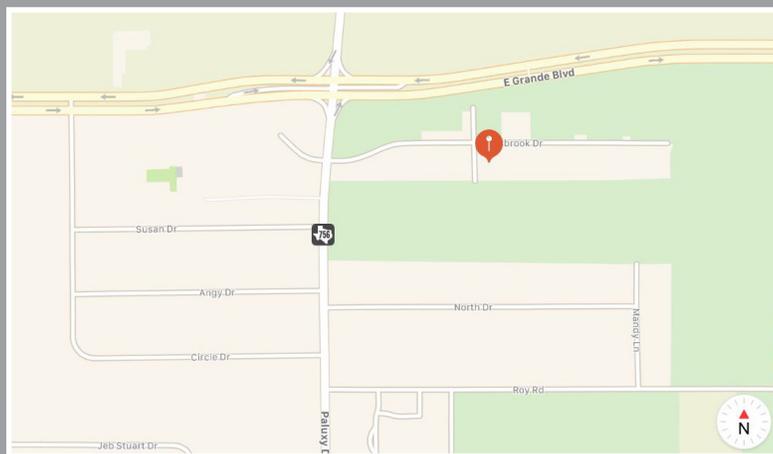
Single: \$10.00 • Family: \$20.00

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

Check us out on the web • WWW.ETGMS.ORG



CLUB ADDRESS AND TO SEND DUES

East Texas Gem & Mineral Society
P. O. BOX 132532
Tyler, TX 75713-2532

ETGMS CLUBHOUSE

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Tyler, Texas



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