

CHERT CHATTER



**OZARK MOUNTAIN GEM
AND MINERAL SOCIETY
OMG&MS**

Chert Chatter

January 2022

Ozark Mountain Gem & Mineral Society

2131 West Republic Road Box #35

Springfield, MO 65807

Email: OMGMS.57@gmail.com

Website: <http://www.omgms.rocks/>

Facebook: <https://www.facebook.com/omgms.57>

President: Amy Hinkler

Vice-President: Angela Richie

Secretary: Greg Goodson

Treasurer: Rick Jackson

Editor: Angel Doran

Show Chairman: Mark Northrup

Field Trip Coordinator: Mark Northrup

Purpose: To study and promote an interest in earth science, geology, paleontology, and mineralogy. To study and promote lapidary and the jewelry-making art and conduct educational programs. To support youth activities and encourage interest in earth science and related areas on behalf of youth.

Monthly Board & Membership Meetings: We meet on the fourth Monday of each month at the Prince of Peace Lutheran Church (enter at the rear of the building – directions below). The Board meeting is at 5:30 PM; the General Membership meeting is at 6:30 PM. In lieu of a December meeting, we have a Holiday party instead.

If Springfield public schools are closed due to inclement weather, the Gem & Mineral Society WILL NOT HAVE A MEETING. If circumstances force us to cancel a meeting, we will post on our Facebook page and send out an email to the membership. Everyone attending is encouraged to practice physical distancing and sanitizing – please restrain from attending if you are feeling ill or have symptoms of Covid. **Please wear a mask due to several members having immunocompromised family.**

Membership: The club's year ends December 31, at which time dues are to be turned in or they are delinquent. Individual Membership dues are \$15, Couple dues are \$25, and Junior dues (16 and under, sponsored by a current member) are \$5. Please send dues to the address above.

New Officers & Board + Dues Due: January 1st Annually

January Meeting Presentation: January's presentation will be by Jeff Mills on insuring personal jewelry.

Future Presentations: February – Angel Doran, Petoskey Stones.

Contact Janis Dietrich to reserve a spot at an upcoming meeting or request a topic you would like to hear more about.

Chert Chatter Material: If you have any requests for items you would like to see in the Chert Chatter, please email them to OMGMS.57@gmail.com.

Directions to Prince of Peace Lutheran Church: 815 E Farm Rd 182, Springfield, MO 65810

From James River/Springfield: Go South on Campbell, turn East (left) on W Plainview Rd (W Farm Rd 182), Travel 0.5 mile and turn left into the Church. Parking and entrance for the meeting is at the rear.

From Republic: From 60/413 in Republic: Go East to 60 East Onramp toward Springfield. Exit At Campbell and follow the above directions.

From Nixa: Take MO 13/US160 toward Springfield. Turn Right on W Plainview Rd (Farm Rd 182). Travel 0.5 miles and turn left into the church parking entrance. Parking and entrance for the meeting is at the rear.



Board Meeting: None in December

Membership Meeting: None in December



President's Message

As we start our way into 2022, I want to remind anyone who hasn't paid their club dues to remember to pay Rick at the meeting. We will have our new elected officers and Board so please remember if you are in one of these positions to show up to the Board meeting at 5:30. Regular membership meeting is at 6:30.

I'm excited to start this year and we have so many new opportunities. Our new classroom is set up and we are working on establishing some classes. We need to think out protection methods for the machines before using them, so we don't harm the carpet or painted walls. We will continue to work on that but hopefully we can come to a reasonable conclusion to get more class opportunities going. That being said, please start thinking about your interests and what you would like to have classes on.

Mark is working on new field trip ideas, and, in my lockdown phase, I will try to do some reaching out for some other opportunities. If you have an interest or thought, please share it with Mark.

Our June show will be on the 3rd and 4th (Fri-Sat) and is outdoors in the church parking lot - in the back grassy area. We will start having flyers at the April meeting and I've already spoken with the Springfield Convention and Visitor's Bureau to get our events (Jun and Oct) in the community calendar of events. Last year's outdoor Gem Fair was good, but we want this year's to be even better. Ideas are always welcome! We will need volunteers for this event along with handing out flyers, posting it to your own Facebook pages, etc. It will be a great time. Much more relaxed than the larger October show.

A request, since several of us have compromised family members undergoing treatments, that people wear masks to the meeting and please respect the spacing of these individuals, me included. As much as I am a social animal, I can't risk taking any illness home. Hugs to you all since I can't physically. :)

Amy



Special Requests

As always, please remember if you have extra rocks, minerals, or small fossils, you can donate them to the October Show's kid's corner activities (need to fit in the space of an egg in the egg crate). Throughout the year, gather smaller pieces for the kid's corner, so we can keep this treasure hunt going. If everyone collects 10 or more per rock trip and donates them, we can have 50 or more to put into the stock for the kids. We need about 200 every year. There are a lot of kids that come to our show looking forward to the events in the Kid's Corner, so let's not let them down.



Upcoming Shows Near Us

- 1/24 - 2/18: Madagascar Minerals Gem Show. 9 - 6 Daily. Norcross - Madagascar Gallery, 201 W Lester St & 208, Tucson, AZ. <https://www.madagascarminerals.com/>
- 1/26 - 2/13: 1801 Oracle Mineral, Gem & Fossil Show, 10 - 6 Daily. Mineral Village Show, 1801 N Oracle Rd, Tucson, AZ <https://sungemstone.com/>
- 1/26 - 2/06: Grant Gem & Jewelry Show. 10 - 6 Daily. GLH Hotel, 1365 W Grant Rd, Tucson, AZ
- 1/26 - 2/06: JOGS Tucson Gem & Jewelry Show. 10-6 Daily; Last Day 10-4. Tucson Expo Center, 3750 E Irvington Rd, Tucson, AZ 85714 <https://jogsshow.com/>
- 1/27 - 02/8: Pueblo Gem & Mineral Show. Ramada Tucson Conference Center, 777 W Cushing Street, Tucson, AZ 85745 <http://www.pueblogemshow.com/>
- 1/27 - 2/13: Kino Gem & Mineral Show. 10 - 6 Daily. Kino Sports Complex, 2500 E Ajo Way, Tucson, AZ <http://www.as-shows.com/>
- 1-27 - 2/13: Tucson Showplace. 10 - 6 Daily. Tucson Showplace Buildings, 1530 S Freeway Ave, Tucson, AZ 85713 <http://www.tucsonshowplacellc.com/>
- 1/27 - 2/13: 22nd Street Mineral, Fossil, Gem & Jewelry Show. 10 - 6 Daily. 22nd Street Show Site, 993 S Freeway, Tucson, AZ 85713 <http://www.22ndstreetshow.com/>
- 1/28 - 2/12: JG & M Expo Simpson St. 10 - 6 Daily. Downtown Tucson Buildings/tents, 601 W Simpson St, Tucson, AZ 85701 <http://www.jgmexpo.com/>
- 1/28 - 2/12: GIGM Red Lion. 9:30 to 6:30 Daily. Red Lion Inn & Suite, 222 S Freeway Rd, Tucson, AZ 85745 <http://www.investmentopals.com/>
- 1/28 - 2/12: GIGM Quality Inn. 9:30 to 6:00 Daily. Quality Inn, 750 W Starr Pass Blvd, Tucson, AZ 85713. <http://ww17.gigmshows.com/>
- 1/28 - 2/12: GIGM Motel 6. 9:30 to 7:00 Daily. Motel 6, 1010 S Freeway, Tucson, AZ 85719. <http://ww17.gigmshows.com/>
- 1/28 - 2/13: Rapa River Gem & Mineral Show. 10 - 6 Daily. Rapa River Show Tents, 292 S Freeway Ave, Tucson, AZ 85745 <http://www.rapariver.com/>
- 1/28 - 2/13: Miners Co-Op Rock Show. 9 AM - Sunset. Mike Jacobs Sports Park, 6901 N Casa Grande Hwy, Marana, AZ <http://www.therockminers.com/>
- 1/28 - 2/13: American Indian Fine Arts Show. 9 - 5 Daily. Red Roof Inn Downtown, 1300 N Stone, Tucson, AZ <http://usaindianinfo.com/>
- 1/28 - 2/12: The Mineral City Show. 10 - 6 Daily. 516 W Lester St & 532, Tucson, AZ. <http://mineral-city.com/>
- 1/28 - 2/12: JG & M Expo Michigan Street. 10 - 6 Daily. 3300 E Michigan St, Tucson, AZ <http://jgmexpo.com/tucson>
- 1/28 - 2/12: RMGM Mineral & Fossil Show. 1920 N Oracle Rd, Tucson, AZ. <https://www.rmgmmpromotions.com/>
- 1/28 - 2/12: RMGM Mineral & Fossil Show - La Quinta. La Quinta Inn Reid Park, 102 N Alvernon Way, Tucson, AZ 85711 <https://www.rmgmmpromotions.com/>
- 1/28 - 2/12: Fine Minerals International Show. 10 - 6 Daily. 450 N Granada Ave, Tucson, AZ 85701. <http://www.finemineral.com/>
- 1/29 - 2/6: G & L Gem Mall. 10 - 6 Daily. Gem Mall, 4475 S Country Club Rd, Tucson, AZ 85714. <http://glwshows.com/>
- 1/29 - 1/31: Just Minerals Event. 10 - 5 Daily. Elks Lodge 385, 1800 N Oracle Rd, Tucson, AZ <http://icminerals.com/>
- 1/29 - 2/12: Mineral & Fossil Marketplace. 10 - 6 Daily. 1333 N Oracle Rd, Tucson, AZ <https://mfmshow.com/>
- 1/29 - 2/6: G & LW Holidome. 10 - 6 Daily. Holidome, 4475 S Country Club Rd, Tucson, AZ <https://glwshows.com/>
- 2/1 - 2/6: AGTA Gemfair. Tues - Sat 10 - 6; Sun 10 - 4. Tucson Convention Center Gem Hall & Galleria, 260 S Church St, Tucson, AZ 85702

2/4 - 2/7: Westward Look Mineral Show. 10 - 6 Daily. Westward Look Resort, 245 E Ina Rd, Tucson, AZ
<http://finemineralshow.com/>

2/4/ - 13: Tyson Wells Arts & Crafts Fair. 121 W Kuehn St, Quartzite, AZ <https://www.tysonwells.com/>

2/4 - 2/6: Tucson Gem & Jam Festival. Pima County Fairgrounds, 11300 S Houghton Rd, Tucson, AZ 85747
<https://gemandjamfestival.com/>

2/10 – 13: Tucson Gem & Mineral Show. 10 - 6 Daily. Tucson Convention Center, 260 S Church St, Tucson, AZ
<http://www.tgms.org/>

2/11 – 13: Quartzite Gold & Treasure Show, Fri-Sat 9 - 4; Sun 9 - 3. QIA Building, 235 N Ironwood St, Quartzite, AZ 85346. <http://www.qiaarizona.org/Gold-Show.html>

2/26 – 27: Clear Lake Gem & Mineral Show. Pasadena Convention Center, 7902 Fairmont Parkway, Pasadena, TX 77507 <https://www.clgms.org/>

3/4 – 3/6: Eastern Indiana Gem and Geological Society, Fri. 10-6, Sat. 10-6, Sun. 11-4. Wayne Co. Fairgrounds, 861 N. Salisbury Rd, Richmond, IN.

3/11 – 3/13: Greater Kansas City Association of Earth Science Clubs. Fri. 10-8, Sat. 10-7, Sun. 10-5. KCI Expo Center, 11730 NW Ambassador Drive, Kansas City, MO. <https://www.kcgemshow.org>

3/12: Annual Silent Auction; Chicago Rocks & Minerals Society. Sat. 6-9. St. Peter's United Church of Christ gymnasium, 8013 Laramie Skokie, Illinois. <https://chicagorocks.org>



New Dinosaur Found in Missouri

Like most of the eastern half of the US, Missouri isn't known for its dinosaur fossils. The reason for this is during the Cretaceous, the US was split in two by the Western Interior Seaway. In the western half, called Laramidia, the Rocky Mountains were rising, creating a lot of sediment that washed down into huge alluvial plains. These sediments deposits were ideal for fossil formation. Dead dinosaurs would wash downstream and become buried in the sediments, their bones fossilizing. Today, the western portion of the US is eroding, and the fossils are naturally eroding from the ground. The eastern half, called Appalachia, the Appalachians had already risen and were in the process of eroding. This meant there was no sediment for fossils to form in.



[Fossil Guy](#)

In 1942, the first ever dinosaur bones were discovered in [Bollinger County, Missouri](#) by members of the Chronister family who were digging a well on their property. They set the bones aside because they were "unusual looking." Geologist Dan. R. Stewart heard about the find and the Missouri Geological Survey and Water Resources department sent him to investigate. He convinced Lula Chronister to allow Stewart to take them so they could be examined by paleontologists and later to sell the 12 vertebrae and some bone fragments to the US National Museum (now the Smithsonian Institution). With Dr. C.W.

Gilmore of the US Geological Survey, they published a paper in 1945 announcing the discovery of a new sauropod from the Upper Cretaceous named *Neosaurus missouriensis*. *Neosaurus* ended up being taken by another type of dinosaur, so they changed it to *Parrosaurus missouriensis*.



Source: [Missouri DNR](#)

In the 1970s, Bruce Stinchcomb, a student at Rolla, was studying Stewart and Gilmore's research. He bought the site from Lula's son Ole and started excavation work. He discovered other parts of *P. missouriensis*, including dental remains and part of a jaw, along with teeth belonging to a cousin of the *Tyrannosaurus rex*, and bone fragments of a dromaeosaur. The dental fragments indicated that *P. missouriensis* could not possibly be a sauropod and was instead a type of hadrosaur (duck-billed dinosaur) and renamed *Hysibema missouriensis*.



Source: [MO SOS](#)

In 2004, the State of Missouri named it the State Dinosaur.

Revised Statutes of Missouri (RSMo)

§10.095. State dinosaur. – The *Hysibema missouriensis* dinosaur is hereby selected for, and shall be known as, the official dinosaur of the state of Missouri. (L. 2004 H.B. 1209)

approved 09 July 2004
effective 28 August 2004

In 2011, Guy Darrough discovered remains of a juvenile *H. missouriensis* at an undisclosed location near the original dig site. In 2016 and 2017, four more specimens were discovered at the same site. These were excavated by him and staff from the Field Museum of Natural History. The adults are at the Field Museum. The juvenile is at the Sainte Genevieve Museum Learning Center in [Ste. Genevieve](#) where Darrough works as curator.

In 2018, Chase Brownstein reverted *H. missouriensis* back to *Parrosaurus missouriensis* saying, “This dinosaur [*missouriensis*] is likely assignable to its own genus, Parrosaurus, as it is not only separated from the localities where the material assigned to *H. crassicausa* was found but also is now known from more materials, which may allow for detailed description (e.g., Darrough et al., 2005). Therefore, the name *Parrosaurus missouriensis* is preferred herein.” Basically, it was different enough from the existing *Hypsibema* species that it should have its own genus.

On November 22, 2021, Darrough announced they found and excavated an adult *P. missouriensis* from the original Chronister site that would have been 35 feet long and weighed 2,000 pounds. For comparison, an adult *Tyrannosaurus rex* would have been about 40 feet long and the new *Supersaurus*, announced in November 2021, would have been more than 128 feet long.



Source: [USA Today](#)

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