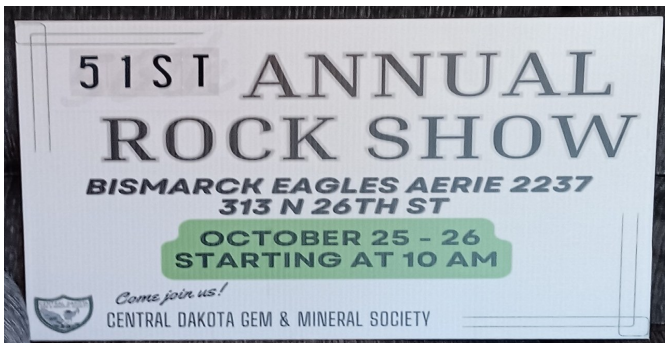
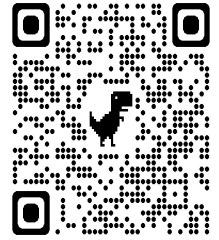




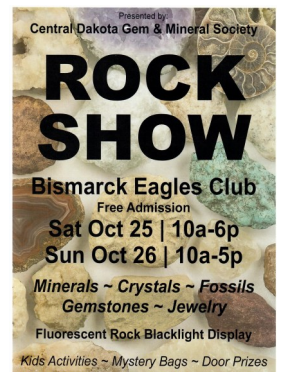
## Central Dakota Gem & Mineral Society's \_Show Highlights for 2025

Held at the Bismarck Eagles Club - Airie #2237  
313 N 26th Bismarck, North Dakota



### We have a variety of Advertising signs

The sign on the top left was located at the Eagles, and the sign on the top right had been located on the Northwest side of Divide & Bismarck Expressway. Just below the two yard signs that were located at strategic areas is a sign that was displayed inside the Eagles at our 51st Annual show. The smaller poster had been displayed in the Bismarck and Mandan School system classrooms and various bulletin boards around our community such as the Bismarck Public Library



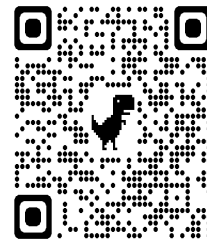




## Central Dakota Gem & Mineral's 51st Annual Show at the Bismarck Eagles

Saturday Oct. 25th, 10 am to 6 pm &  
Sunday Oct. 26th, 10 am to 5 pm

Show Highlights for 2025



**Free to the Public \* Door Prizes on Saturday  
Memberships \* Mystery Bags of Rock Sales**



**Kathleen Vetter, Virginia Wingerter, Deanna Cahoon and Tom Tupa were very successful working as a team selling \$1.00 and \$5.00 mystery bags of rocks. In the process of signing up new members they were answering questions about our Society and what we do.**



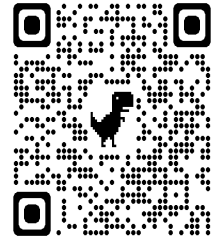
**Marsha Fantauzzi won the grand prize drawing of a metal detector on Saturday**



**Individual memberships are \$20.00  
and family memberships are \$25.00**



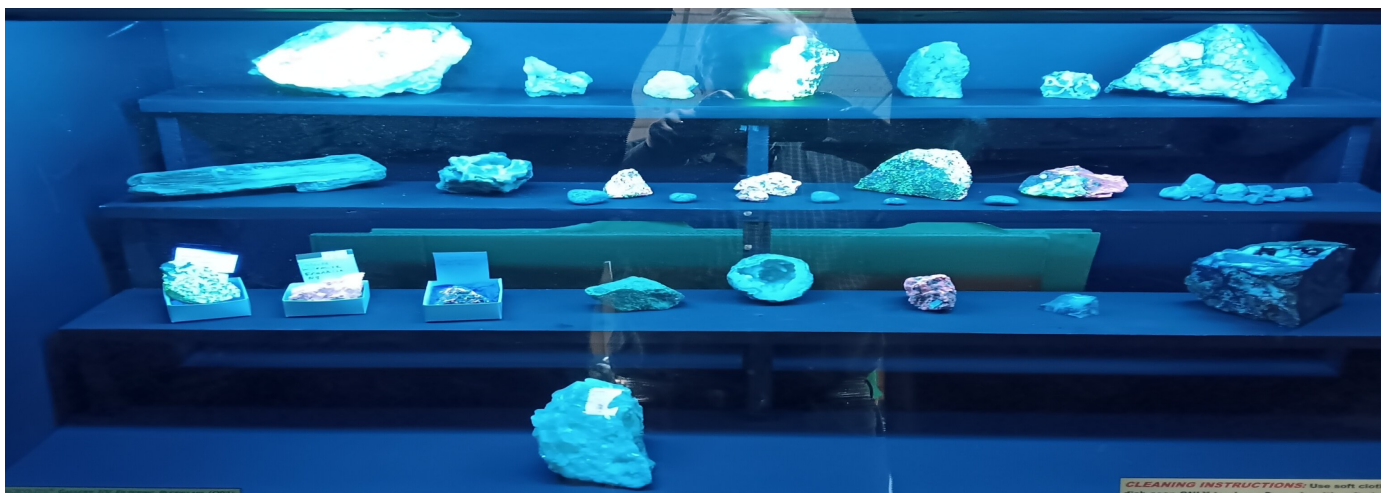
## Central Dakota Gem & Mineral Society's Show Highlights for 2025 A unusual UV Light Display



This tent housed a very interesting UV light display for the public to view. On display were a variety of minerals that when exposed to the UV light would fluoresce with different colors.



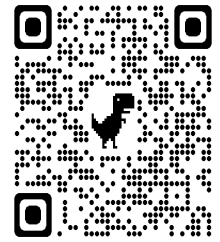
This sign was for the protection of peoples eyes. It read. **Caution:** UV light in use. UV filtering acrylic plexiglass installed for protection. Do not operate lights without protection in place. **Turn to page 6 for more details and ultraviolet light.**







# Central Dakota Gem & Mineral Society's Show Highlights for 2025



## Special Displays By Members



*Catlinite Pipe Display*  
Mike Simonson



*Things made from Rocks*  
Ray Olinger



*Under The Sea Display*  
Susan Gerenz



*Montana Moss Agates*  
Carol & Greg Klein





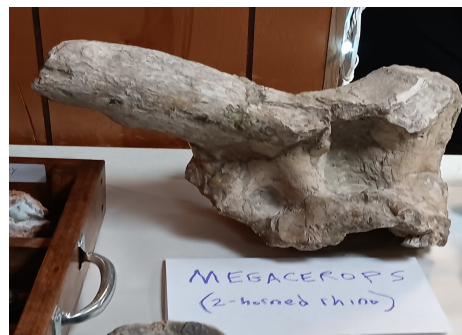
# Central Dakota Gem & Mineral Society's Show Highlights for 2025

## We had four excellent guest speakers



Michelle and David Cauley with the Bottineau Rock Hounds explained the rigorous student ran process of how Knife River Flint became the state rock for North Dakota.

The students also met with the representatives from their district who wrote house bill 1186 which was then voted on and passed 44 to 2 in the Senate. It had previously also passed the house.

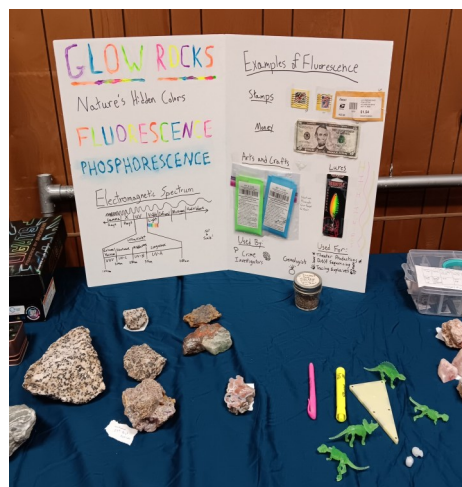


Megacerops or two horned rhinoceros for display by the Cauleys. Refer to page 7 for more information.

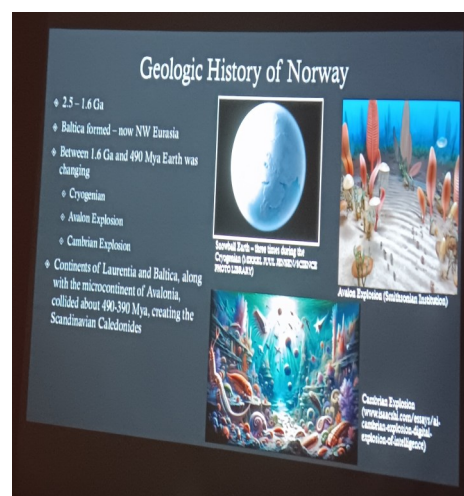


Skye Faching explains that when a phosphorescent mineral is exposed to an ultraviolet light, it absorbs the energy and re-emits it over a period of time.

There are many minerals or products that will react with these rays and the chemistry of the material is used in medicine, toys, investigating crimes, money, and also the entertainment field.



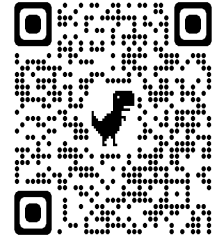
Joe Martinetti gave a audio visual presentation of the Geologic History of Norway from millions of years ago along with the formation of continents and the different types of mineral content. Joe also had visited the Eidsborg Brunaslid Quarry as well as the Larvik Granite Quarry along with stone samples to view. He also showed slides with some examples of beautiful Norwegian architecture.







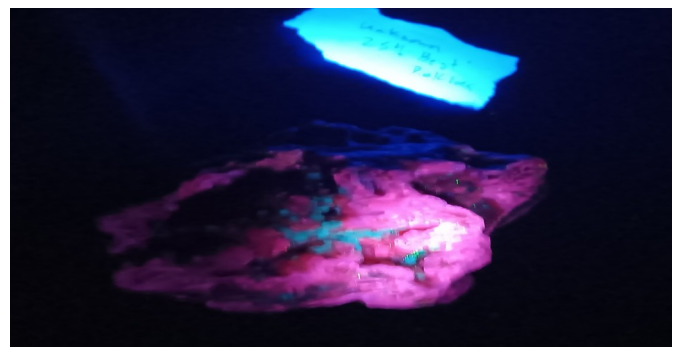
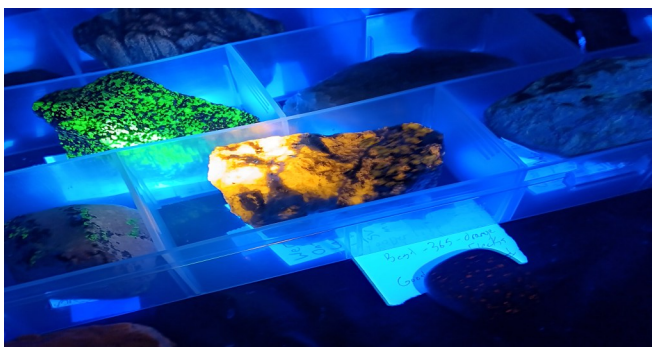
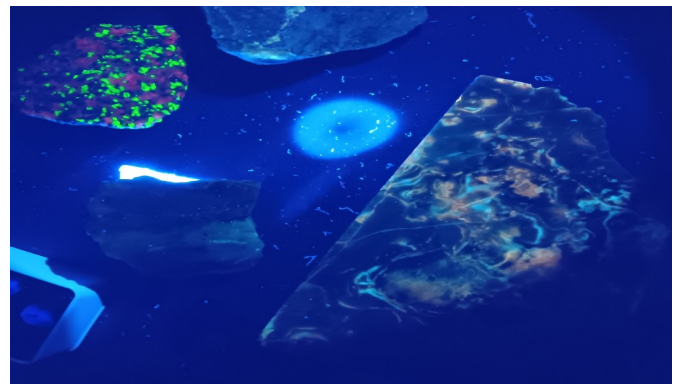
# Central Dakota Gem & Mineral Society's Show Highlights for 2025 UV light Demonstration



When the lights are on the minerals and other items on the table such as benitoite, chalcedony, rhyolite, dolomite, stamps, paper money, paints, soap, fishing lures, magic markers and plastic figurines of dinosaurs can very easily be seen.

But when these objects are exposed to UV or ultraviolet lights in a dark room the phosphorescent minerals are exposed, and will glow with certain colors.

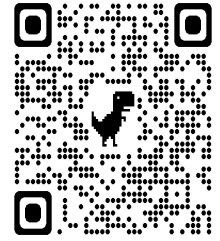
Photons are emitted which causes the electrons in the mineral to temporarily become very active and jump to higher orbital. That's when we see those strange glowing colors. When the lights are turned back on the photons gradually become less active and then we observe the normal colors.







## Central Dakota Gem & Mineral Society's Show Highlights for 2025 Fossil and Rock Display



### *Megacerops*

This fossil was displayed courtesy of Michelle & David Cauley of the Bottineau Rock Hounds

This fossil is amazing. This is just part of the Y-shaped horn-like protrusion on the nose of the Megacerops. The actual living animal looked like a rhinoceros but was close to the size of an African forest elephant. It's height would have been at least 8ft high at the shoulders by about 15 feet long.

The added illustration to the left was googled and is credited to Dmitry Bogdanov.

## Fossils and minerals that can be Examined



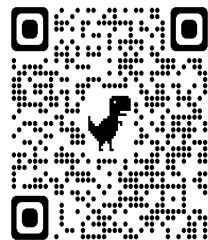
The display of rock and minerals in the box had been gifted by the Reno Gem & Mineral Society to The Central Dakota Gem & Mineral Society at our 2024 summer Picnic which had been held at Seritoma Park.

To the right is the extremely rare fossil of the *Megacerops*, which was displayed courtesy of Michelle & David Cauley of the Bottineau Rock Hounds.





# Central Dakota Gem & Mineral Society's Show Highlights for 2025 Activities for the Young



Beading  
Rock Paintings



Coloring  
Styrofoam Creations

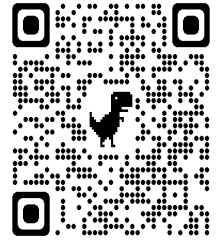




# Central Dakota Gem & Mineral Society's

## Show Highlights for 2025

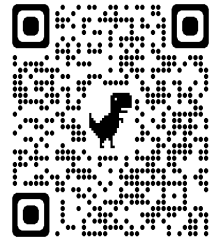
### Vender Booths for Gem & minerals







# Central Dakota Gem & Mineral Society's Show Highlights for 2025 Vender Booths for Gem & minerals



**The Central Dakota Gem & Mineral Society has had a very successful 2025 Gem & mineral show and wishes to thank our dedicated vendors and also the public for participating in our annual event that is held at the Bismarck Eagles Club - Airie 2237, 313 N 26th Bismarck, North Dakota.**