# The Bufalo Geological Society, Inc. 53rd ANNUAL Gem Mineral Fossil Show DINOSAURS are coming!

Sat. March 18, 2023 9 am to 7 pm

Sun. March 19, 2023 9 am to 6 pm

1 DAY
ADMISSION In the Market, Grange, and
ADMISSION
ADMISSION
NYS Police Buildings located on PER PERSON
PER PERSON
The Fairgrounds in Hamburg, NY







### NEW

Mining for Minerals and Fossils

Mini Mine for Children

A GREAT FIELD TRIP FOR THE FAMILY

& a real learning experience

ALSO SHOWING

### **DISPLAYS & INFORMATION**

NYS Parks & Recreation
Reinstein Woods Nature Center
Buffalo Association of Professional Geologists
Paleontological Research Institute
Penn Dixie

Demonstrations • Beads • Jewelry • Presentations Private Gem Collections • Unique Gifts DRAWINGS & REFRESHMENTS

Scouts in uniform & children 12 yrs & under FREE

# SPECIAL LECTURES

# NYS Police Building



Saturday, March 18 & Sunday 19, 2023 from 1:00 PM to 1:30 PM

## Fluorescent Minerals of Northern New York

Presented by Dino Zack, P.G., Senior Geologist/Project Manager, AECOM Technical Services, Inc.

Approximately 4,000 different mineral species have been identified at this time. Over 500 of them are known to fluoresce visibly in some specimens. Dino Zack will discuss the various types of luminescence with a detailed explanation of mineral fluorescence. Fluorescent rock and mineral specimens from Northern New York State, as well as world-renowned locations, will be on display and used to demonstrate the many types of luminescence including fluorescence, phosphorescence, triboluminescence, thermoluminescence, and tenebrescence. Whether you are a novice, an expert, or just curious about fluorescent minerals, you will find this presentation very enlightening!



Saturday, March 18 & Sunday 19, 2023, from 4:00 PM to 4:30 PM

# Geoscientists – Caretakers of the Earth's Resources and Environment

Presented by Dino Zack, P.G., Senior Geologist/Project Manager, AECOM Technical Services, Inc.

Dino Zack, PG will discuss the meaning of STEM and the importance of a STEM education. Most STEM jobs are in high demand but suffer from a lack of qualified candidates; several examples of career possibilities in geology will be presented, along with a description of the day to day work of an environmental geologist. This presentation is geared toward students from elementary to college level.