



2022-2023 GSM LECTURE SERIES

Lectures and Labs are free and open to the public.

7:00 PM CT Mondays at University of Minnesota

The U locks its doors promptly at 7 PM. Please wait, as a person will come every five minutes to admit latecomers. Exact building, room location, and last-minute changes will be posted on our website: www.gsmn.org

2022:

- Sept 19** **Geologic Highlights of the Sioux Quartzite in the Pipestone Basin: Rock, Pipestone & Nobles Counties in Southwestern Minnesota**
Mark Jirsa, M.Sc., Minnesota Geological Survey (retired)
Fall Banquet 5:00 PM, Annual Mtg. 6:30 PM, Lecture ~7:00 PM
Location: U Garden Restaurant, 2725 University Ave. SE, Minneapolis. Map on website.
- Oct 3** **Minerals and Microbes and Mining...Oh My!**
Cara Santelli, Ph.D., Associate Professor, Dept. of Earth & Environmental Sciences, U of Minnesota
- Oct 17** **From Sparta to St. Paul, the Roles Earth Processes Played in Our Past**
Kent Kirkby, Ph.D., Teaching Professor, Dept. of Earth & Environmental Sciences, U of Minnesota
- Oct 31** **What's New with Plate Tectonics?**
Christian Teyssier, Ph.D., Professor, Gibson Chair in Geoscience, Dept. of Earth & Environmental Sciences, U of Minnesota
- Nov 14** **Southern Spain: Tectonic Collision, Geoparks and Fabulous Vacation Spots**
Melissa Lamb, Ph.D., Professor, Earth, Environment, & Society, University of St. Thomas
- Nov 28** **Ice Age Extinctions in North America: Climate Change and Humans**
David Fox, Ph.D., Professor, Dept. of Earth & Environmental Sciences, U of Minnesota
- Dec 12** **Hunting for Dinosaurs: The Search for Ancient Giants**
Alex Hastings, Ph.D., Fitzpatrick Chair of Paleontology, Science Museum of Minnesota

2023:

- Jan 30** **Minnesota's Major Aquifers – An Introduction the Groundwater Provinces**
Paul Putzier, Hydrogeologist Supervisor, DNR's Groundwater Atlas Program
- Feb 13** **(Title TBD)**
Josh Finberg, Ph.D. Professor, Dept. of Earth and Environmental Sciences, U of Minnesota
- Feb 18** **Saturday Lab at Macalester College: Rock Cycle (Hand-identification)**
Conducted by Jeff Thole, M.Sc., Geology Laboratory Supervisor, Macalester College
Time 10:00AM to 12:00PM. Location: Olin-Rice Science Center (Building 14), Room #100
- Feb 27** **Volcanic Features and Highlights of Southern Idaho (online lecture)**
Shawn Willsey, M.Sc., Distinguished Professor, Geology, College of Southern Idaho
- Mar 13** **(Title TBD) (online lecture)**
(Presenter TBD)
- Mar 27** **Geophysics of Minnesota**
Aaron C Hirsch, Ph.D., Geophysicist, Minnesota Geological Survey
- Apr 10** **(Subject Meteorites, Title TBD)**
Craig Zlmen, Owner, Minnesota Meteorites
- Apr 24** **Minnesota's County Geologic/Groundwater Atlas Program – Thirty Years of Building our Geologic & Groundwater Information Infrastructure**
Paul F. Putzier, P.G., CGP, Hydrogeologist Supervisor, MN DNR Groundwater Atlas Program
- May 8** **Spring Banquet - Snorkeling at Shadow Falls: Fossils of Minnesota**
Justin Tweet, M.Sc., Associate, Geologic Resources Division of the National Park Service
Spring Banquet 5:00 PM, Lecture ~7:00 PM
Location: U Garden Restaurant, 2725 University Ave. SE, Minneapolis. Map on website.

Presentations (Open to the Public)

GSM hosts presentations by experts in the fields of Geology and Earth Science. Lectures are aimed at geology enthusiasts who are curious about the Earth, rock formation, and other geological subjects.

Past topics have included:

- Origin and Evolution of the Moon
- Roadside Geology of Minnesota
- Agates from Around the World
- Minnesota Geology from A to Z
- Diamond Hunting in Canada

Presentations are held during the school year, on Monday evenings, usually on the East Bank campus of the U of MN.

GSM's outreach educators also visit metro area elementary classrooms and Scout groups to enrich earth science lessons. Hands-on labs are held once or twice a season at area university geology labs.

Newsletter

GSM publishes a quarterly newsletter for members. It includes:

- Field trip information
- Articles from regional geologists
- Banquet information
- Location of presentations
- Geology news
- Book reviews

Field Trips

GSM conducts professionally guided field trips from May - October. People of all ages are welcome. Minnesota's regional geology tells fantastic stories of volcanic activity, ancient seas, and glacial scouring.

Past field trip destinations and topics included:

- Following the San Andreas Fault
- Geology of North Dakota
- North Shore of Lake Superior Geology
- Soudan Iron Mine
- Isle Royale National Park
- Minnesota's Iron Range
- Minnehaha Falls

Some field trips are day trips, others include an overnight stay, and others to more distant locations are up to a week in length. Field trip information (fees, transportation, and lodging) is announced in mailings prior to the trips.

Banquets

The Society gathers for a banquet at an area restaurant in the spring and fall.

Membership

Membership is open to all. Members include people from many professions interested in geology and the earth sciences:

Single Membership \$20/yr.

Family Membership \$30/yr.

Student Membership \$10/yr.



Geological Society of Minnesota

The Geological Society of Minnesota (GSM) supports and encourages public interest and life-long learning in the geosciences and our geologic resources.

Since 1938, GSM has taken pride in offering geology-related presentations, labs, and field trips.

gsmn.org

