

Geological Society of Minnesota  
Approved Board Meeting Minutes for August 9, 2018

- I. Notes and opening comments.
  - A. Board members present: Dave Kelso, Deborah Naffziger, Dave Wilhelm, Dick Bottenberg, Kate Clover, Dan Japuntich, John Jensen, Theresa Tweet, Joe Newberg.
  - B. Other GSM members present: Steve Erickson, Alan Smith, Joe Wright, Becky Galkiewicz, Frank Janezich, Bill Robbins.
  - C. President Dave Wilhelm called the meeting to order at 7:00 pm and indicated that a quorum was present.
  - D. Minutes for the May 2018 meeting were previously approved by e-mail and posted on the GSM web site.
  - E. FYI – Please remember that Board members have 10 days to review the preliminary minutes after the Secretary sends them out. Please be sure to do that by the date set by the Secretary.
  
- II. Agenda items for consideration by the Board.
  - A. Review and agree on the agenda for August 9.
    1. Board members agreed on the agenda.
  - B. Future Board meeting dates.
    1. 8 Nov 2018
    2. 28 Feb 2019
  - C. Board status Dave W.
    1. Current Board membership

a) Joe Newberg	2018 to 2021	began May, 2018
b) Dave Kelso	2018 to 2021	
c) Deborah Naffziger	2017 to 2020	
d) Dave Wilhelm	2017 to 2020	
e) Dick Bottenberg	2016 to 2019	
f) Kate Clover	2016 to 2019	
g) Dan Japuntich	2015 to 2018	
h) John Jensen	2015 to 2018	
i) Theresa Tweet	2015 to 2018	began Nov, 2015
    2. Current Officers.
      - a) President – Dave Wilhelm
      - b) Vice President – Deborah Naffziger
      - c) Treasurer – Dave Kelso
      - d) Secretary – Dave Kelso
  
  - D. Recruitment of new Board members for 2019 – all
    1. Three are needed (Roxy Knuttila & Frank Janezich have agreed).
    2. Either ask directly or send suggestions to Dave W.
      - a) We need new Board members by the Sep 17 annual meeting.

3. Election of new Board members occurs at the annual meeting (Sep 17).
  4. Name badges for new Board members. Anyone else?
    - a) We will wait until after the annual meeting for this.
- E. Treasurer's report – Dave K
1. Financial Report (using laptop)
    - a) Dave K presented a re-vamped spreadsheet that shows financial transactions including a checkbook register, income/expense tracking, and cash account balances. This is still being refined and will be submitted to Board members for comment and review.
      - (1) Dave W would like to see video library transactions tracked together.
    - b) Board member review of finances – Deborah
      - (1) Per Board action at the May 18, 2018 meeting, Deborah accepted an action to review the checkbook register and Bank Statements for accountability on a quarterly basis. Dave K will coordinate with Deborah to accomplish this.
    - c) Plans for GSM investments and savings accounts – DaveK/Deborah
      - (1) As discussed at previous Board meetings the GSM has three accounts through Capital One, one savings account and two CD's. The interest gained by all three average about \$1.60 per month. One CD matures on Sep 6, 2018.
        - (a) M/S/P by Steve/Dan to cash in the maturing CD with money going to the GSM checking account for further investment consideration.
        - (b) The Treasurer will look into what actions can be taken with the remaining CD as Capital One is no longer in the CD business.
        - (c) Mary Helen has obtained the remaining signatures for new access, for the Treasurer, and submitted a letter to them for the change. Capital One will notify DaveK when this is completed.
- F. How should financial reports be maintained by the Society? - Dave W/Alan
1. Dave W proposes posting them (and other sensitive information, but not background checks) to the password-protected portion of the web site, same as the membership roster. Dave W & Alan to discuss, no progress to report on developing a process and no action taken.
- G. PO Box Status and Issues
1. President, Treasurer, and Membership Chair have keys. Box has been checked semi-regularly; typically, 1-2 items per week.
    - a) This is working fine and may not have to be included as an agenda item for future Bd mtgs.
- H. GSM Operating Manual update and review – Deborah

1. No action on this over the summer. Currently waiting for completion of the Web section and Video recording section.
- I. State Fair – Dan
1. Please see “GSM State Fair Committee Report” attached to these minutes.
- J. Status of the new GSM web site – Alan
1. Currently being worked on, as time permits, with no planned completion date at this time.
- K. GSM Marker Survey project – Becky
1. Please see “Marker Committee Report” attached to these minutes.
- L. Minnehaha marker replacement status – Kate
1. Please see “Minnehaha Marker Update” report attached to these minutes.
- M. Mineral Club Rock Show – Kate
1. Last year this show was very popular with a large number of attendees.
  2. We will be participating again this year and recruiting members to “man our booth”. The show will be on October 20<sup>th</sup> and 21<sup>st</sup>.
- N. Report on in-memoriam contribution, if any – Theresa/Dave K
1. None have been received this quarter.
- O. Receiving, acknowledging, appraising, and disposing of material contributions (rocks, tools, etc.) – Dave W
1. Materials (field trip itineraries, notebooks, photos etc.) to be donated by family of Judy Hamilton.
    - a) Dave W will meet with Iris Von Barga to collect these items, and will then consider how these items might best be utilized by the GSM. Dan J indicated that he may be available to help with this.
- P. Membership report – Joanie
1. Joanie was not at the Board meeting but submitted a report.
  2. The report should include a summary of all members and of new members. At the last count there are 202 members (the most Dave W remembers). About 20 of them have an expiration date of 2019 mostly because they were new or renewed late. The rest will be up for renewal this coming fall.
  3. Please see “Membership Report” attached to these minutes.
- Q. Banquets – Dave W
1. Fall banquet and Annual Meeting planning – U Garden has agreed to host; info posted on web site some months ago; info is also in the August Newsletter.
    - a) Some discussion on the cost (\$125) however, Board Members felt the cost was appropriate; it’s a great place with free parking. Steve E pointed out that we also pay for the speaker’s fee plus the speaker’s meal.
- R. Lectures and labs – Steve E
1. Schedule for 2018-2019.

- a) The schedule is out and can be found on the GSM website and attached to these minutes.
- S. Status of lecture video recording – Joe W
  - 1. Status
  - 2. Availability & process for member access to recordings – Joe W/DaveW
    - a) Currently being worked on.
  - 3. Equipment purchases.
    - a) Nothing has been purchased but currently assessing a product.
  - 4. Formation of video team.
    - a) Current team consists of Joe and Deborah. Will start recruiting members
  - 5. Need to copyright?
    - a) Speakers agree to the recording of their lecture. If the speaker does not wish to be recorded, then it is not done.
  - 6. Complementary recording to each presenter?
    - a) This could be done and will be explored.
  - 7. Dave W suggested that an overall “video recording” plan be developed to clarify the process.
  - 8. Please see “GSM Lecture Video Report” attached to these minutes.
- T. Field Trip plans and feedback – Dave W
  - 1. Please see “GSM Field Trips & Tours” attached to these minutes.
  - 2. Purchase whistles for all field trip organizers (3 for \$12.82).
    - a) Already purchased and Dave W has been reimbursed.
  - 3. Walking Tours are coming up and Dave W would like them to be offered free of charge. The GSM could pick up printing charges for handouts. No formal action taken.
- U. Purchase of amplification equipment from Bill Robbins – Dave W
  - 1. The Board respectfully declines the offer from Bill. It does not appear that leaders, at least for the walking tours, would use the equipment.
- V. Video Library – Dave W
  - 1. Please see “Video Library Report” attached to these minutes.
- W. GSM Student Outreach – Theresa
  - 1. Theresa will continue with this program.
- X. “Ask GSM” activity – Theresa
  - 1. Theresa gave some examples from “Ask GSM” and some updates on activities. Theresa will send out some additional information to the Board.
- Y. Newsletter – Theresa & Mark
  - 1. Nothing new at this time.
  - 2. New authors and writers seem to be doing well with articles.
- Z. Transfer of GSM rock box supplies/rocks to Dave W – Dave W
  - 1. On June 1 90% of the materials have been transferred from Dick’s garage to Dave W’s with the remainder were transferred on Aug 9.
  - 2. What next?
    - a) Dave W will hang on to the materials for future use.

AA. Holiday Party

1. Ed and Sandy Steffner will again open their doors to the GSM. The Steffners will welcome guests on Saturday, Dec 8 at 3:30 pm for appetizers, and 5 pm for Pot Luck Dinner.

BB. New topics:

1. TBD
  - a) None

CC. 2018 Goals – Dave W

1. Install new big-picture marker at Minnehaha Falls during 2018.
2. Develop a plan and prioritize marker installation/repair for Minnesota's geological markers based on the recent marker survey.
3. Continue developing a GSM marker database and survey the markers in 2018.
4. Develop a video recording crew and optimize the equipment and process; have first video recording of a lecture available to members in 2018.
5. Complete update of GSM Operating Manual during 2018.
6. Other goals we should add?
  - a) None

DD. Adjournment

- a) M/S/P by Deborah/Joe to adjourn

III. Attachments

- A. State Fair Committee Report
- B. Marker Committee
- C. Minnehaha Marker Update
- D. Membership Report
- E. Lectures/Lab Schedule
- F. GSM Lecture Report
- G. GSM Field Trips & Tours
- H. Video Library Activity

Attachment A  
State Fair Committee Report  
Submitted by Dan

**GSM State Fair Committee Report for August 9, 2018**

**Chair: Daniel Japuntich**

State Fair Committee: Rebecca Galkiewicz, Dan Japuntich, Dick Bottenberg, Edward Steffner, Roger Benepe, Sandra Steffner, Theresa Tweet, Pat Pfundstein

**Report:**

- The 2018-2019 Lecture Schedule (below) was formatted and completed for State Fair Brochure printing (Ed Steffner). Combined printing was under \$600 for the Lecture Schedule Brochure and the new Geological Markers Brochure.
- State Fair Booth Timeline attached.

- Booth staffing solicitation announcements were made by email over the summer.
- All volunteer time slots have been filled – see attached table.
- A State Fair Committee meeting was held on July 11 at my home at 1092 Lincoln Avenue, St. Paul. Booth Set-up and Take-down times were assigned.
- Information email sent to all volunteers:
  - GSM Volunteer Booth Visitor Introduction - What to say to booth visitors and other tips. Make sure they are aware of the lecture series.
  - State Fair 2018 Booth Staffing - Look for your time(s)! If you have problems, email me. Try to be there 10 minutes early for the volunteer transfer.
  - State Fair Map - We are in the Education Building on the east side of the Fairgrounds, center aisle section from the main entrance.
  - 2018-2019 Lecture Series on the GSM Brochures to be handed out (will be on a large booth poster).
  - GSM Geological Markers Brochures to be handed out.
  - 2017 Booth photo
- Booth set-up Wed. Aug. 22 at 11:00. Booth take-down, Sept. 4. At 11:00. Meeting at my house.
- Improvements: Grand total: \$69.13
  - One new poster for \$69.13: 2018-2019 Lecture Schedule
  - GSM Geological Markers Brochures to be handed out.
  - 8.5"X11" Hand Posters made to be kept on front table:
    - 2018-2019 GSM Lecture Series
    - Geological Markers: Map on front, List on back
    - Geological map of MN on front, MN Glaciers on back
    - Ordovician Sea Life: cephalopod on front, fossils and MN position on equator on back.

GSM STATE FAIR SCHEDULE		1-Jan	1-Apr	1-May	7-Jun	14-Jun	21-Jun	28-Jun	5-Jul	12-Jul	19-Jul	26-Jul	2-Aug	9-Aug	16-Aug	22-Aug	23-Aug	4-Sep	18-Sep	29-Sep	1-Nov
WEEK																	STATE FAIR				
TASKS																					
	RECEIVE COLORED CONFIRMATION CARD																				
	RECEIVE LICENSE AGREEMENT/INVOICE-RETURN PAYMENT																				
	PROOF OF LIABILITY INS. (CERTIFICATE OF INS. TO STATE FAIR)																				
	WORKERS' COMP. INSURANCE FORM (LIME COLOR TO FAIR)																				
	BOOTH STAFFING RECRUITMENT IN NEWSLETTER																				
	BOOTH STAFFING LECTURE ANNOUNCEMENTS																				
	CONFIRM STATE FAIR COMMITTEE MEMBERSHIP																				
	STATE FAIR COMMITTEE MTG.																				
	BOOTH STAFFING ANNOUNCEMENT, EMAIL BROADCASTS																				
	COMPLETE MN SF FOLDERS, TICKETS, INFO																				
	SEND REMINDERS TO VOLUNTEERS																				
	BOOTH STAFFING PHONE CALLS (IF NECESSARY)																				
	LECTURE SCHEDULE COMPLETION (STEVE TO BILL R.)																				
	FORMAT BROCHURES FOR PRINTING (BILL R.)																				
	PRINTING BROCHURES, MEMBERSHIP SLIPS, (STEFFNER)																				
	BOOTH SET-UP REMINDER TO COMMITTEE																				
	BOOTH SET-UP: BRING HANG-TAGS (4-5 PEOPLE)																				
	STATE FAIR																				
	BOOTH TAKE-DOWN REMINDER TO COMMITTEE																				
	BOOTH TAKE-DOWN: BRING HANG-TAGS (4-5 PEOPLE)																				
	SUBMIT THANK YOU TO NEWSLETTER																				
	PARTICIPATION LICENSE SIGNED AND RETURNED																				

As of 08-06-18:

STATE FAIR BOOTH STAFFING 2018			
DATE	9 AM TO 1 PM	1 PM TO 5 PM	5 PM TO 9 PM
23-Aug THURS	Ed Steffner	Mark Nupen	Bernie Waibel
	Ted Chura	Harry Werneke	Donna Rodel
24-Aug FRI	Mark Nupen	Lee Kaphingst	Nancy Watkins
	Maureen Scaglia	Barbara Broker	Dick Heglund
25-Aug SAT	John Jensen	Lisa Peters	Paul Jansen
	Ruth Jensen	Dave Peters	Janet Hopper
26-Aug SUN	Bill Robbins	Dick Bottenberg	David Wilhelm
	Vern Schaaf	Joe Wright	Mary Kay Arthu
27-Aug MON	Dan Japuntich	Patrick Pfundstein	Michael Conver
	Ken Koolmo	John Matlock	Faye Alroy
28-Aug TUES	Alfred Kauth	Heather Johnson	Mark Ryan
	Rosie O'Donovan	Jim Mirick	Pat Ryan
29-Aug WED	Claude Buettner	Mark Nupen	Norm Smythe
	Carol Kissner	Jim Mirick	Patrick Pfundste
30-Aug THUR	Jim Curme	Frank Janezich	Patrick Pfundste
	Patsy Huberty	Roxy Knuttila	Jim Mirick
31-Aug FRI	Steve Erickson	Dick Heglund	Lynne Grigor
	Rosie O'Donovan	Mary Helen Inskeep	David Schaaf
1-Sep SAT	Steve Erickson	Theresa Tweet	Deb Preece
	Elaine Handelman	Justin Tweet	Ly Preece
2-Sep SUN	Fran Corcoran	Alan Smith	Joanie Furlong
	Bill Haralson	Kay Smith	Randy Strobel
3-Sep MON	Ken Holmbeck	Gerald Stahl	Dan Japuntich
	Glen Lee	Jane Hancock	Dorothy Edelson

Attachment B  
Marker Committee Report  
Submitted by Becky

Geological Society of Minnesota  
Meeting of the Board of Directors

Report of the Marker Committee  
August 2018

The Marker Committee met in the spring and determined that most of the markers have been visited – enough that we should start thinking about rolling out the Geology Marker Tour. There are about 70 markers and more will be added in the future.

Becky Galkiewicz and Alan Smith met in May to discuss what changes are needed to make the Marker Home page more user-friendly.

In July, Becky Galkiewicz met with Harvey Thorlielsen and Rich Lively to talk about the advisability of publicizing the Geology Markers before web-site modifications are complete. With State Fair occurring in August, this is a good time to reach thousands of Fair attendees with an informational brochure about the Minnesota Geology Tour of geology markers.

Harvey recommended that the committee go ahead with publicity. Becky wrote and Kate Clover edited a brochure. Dave Wilhelm and the Marker Committee gave their approval. Web-site modifications are on-going but the site is good enough for people to get the information they need.

Once there is a brochure, we can use this to approach various agencies and people who are likely to be interested in collaborating on the markers. This should reach even more people in Minnesota:

- State Fair attendees – 2000 brochure copies have been printed for distribution
- State Historical Society
- Department of Natural Resources and Minnesota State Park rangers
- Department of Transportation
- Minnesota Tourism (Explore Minnesota website and quarterly newsletter)
- Conservation Volunteer magazine
- Minnesota science teachers

Some of the sites do not have physical markers – they are currently found using driving directions and GPS coordinates and the visitor can find the text by going to the GSM web site. Use is similar to geo-caching and Pokemon GO. The Committee and the Board should discuss and decide whether to use the traditional stone monuments with bronze plaques or the traffic sign type that has been used in Michigan in the Keweenaw area or the type installed at Split Rock Lighthouse.

Submitted by:

Dick Bottenberg, Kate Clover, Becky Galkiewicz, Dan Japuntich, Lee Kaphingst, and Alan Smith

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Markers that haven't been installed: Bad Medicine Lake, Gooseberry Falls, Savanna Portage (#2), Lake Mille Lacs (Garrison), Father Hennepin SP, Fort Ripley, Tiger Lake, Kettle River, Adrian, Mystery Cave, Hill Annex Mine SP

Proposed new markers: Winchell Boulder and Trail, Confluence of Mississippi and Minnesota, Sherburne NWR Kame, Scenic SP Esker, Agate Museum (Moose Lake SP), Jay Cooke SP visitor center, Pipestone National Monument

Attachment C  
Minnehaha Marker Update  
Submitted by Kate

To: Dave Wilhelm  
From Kate Clover  
Re: Minnehaha Marker-Update

Date: August 7, 2018

Progress on the Minnehaha Marker has been slow. We are still working on completion of a layout. Here are some details of our work over the past 3-4 months.

In May 2018, Dick Bottenberg, Chris Burda, and I met with Mary Lynn from the Mpls Park, and we approved our draft and layout of the Minnehaha Geological Marker. Chris Burda then handed over all copy and drawings of the marker for MaryLynn to share with the park's graphic designer.

In mid June, we picked up a draft layout of the marker produced by the park's graphic designer and proceeded to mark up the layout with comments and suggestions on changes we'd like to see. Our suggested changes were significant. MaryLynn wanted all edits and suggested channeled through her.

On July 25, Chris Burda and Dick Bottenberg met with MaryLynn to discuss changes and next steps. At that meeting, they learned the park's graphic designer would be leaving the park and moving to Colorado, but MaryLynn said he would complete the project.

Chris then compiled a detailed list of changes from the first draft of the layout. We have forwarded these to MaryLynn.

Attachment D  
Membership Report  
Submitted by Joanie

2018

Neil Simonson	January	
Greg Mace	February	MN State Fair 2016
Daniel Scollan	February	Website
Carolyn Dry	February	Took a class from Jim Miller in Grand Marais
Jim Platt	February	Web Search
Rachel Tucker	April	Graduation upcoming and entrance into professional world
Stacy Schultz & Dan Dee	May	Worked with Dave Wilhelm at Smith Medical
Sara Huffman	May	Website
Gaby Sasseille	May	Online
Richard Bokovoy	May	My U of M Geology 1001 Professor
Olivia Hanson	May	Google
Jim Maas	May	
Kate Kleiter	June	On-line AIPG, API
Marilyn Johnson	June	interested in field trip, checked out website
Brent Silvis	July	Web Search
Adam Pofert	July	Fossil Hunting

Attachment E  
GSM Lecture/Lab Schedule  
Submitted by SteveE



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**2018-2019 Seminars and Labs**

Submitted by ars1 on June 14, 2018 - 9:56pm

## **2018-2019 GSM LECTURE SERIES**

**7:00 PM Mondays at the University of Minnesota, except where otherwise noted.**

Exact building and room location will be posted on GSM web site [www.gsmn.org](http://www.gsmn.org) [1]

**All lectures and labs are free and open to the public.**

*GSM will make any decision canceling or postponing a lecture due to inclement weather no later than 3:00 PM the day of the lecture. This information will be posted on the GSM [home page](#)[2].*

**2018:**

### **Sep 17 Caves of Minnesota**

Greg Brick, Ph.D., Minnesota Department of Natural Resources  
Fall Banquet, Annual Meeting, & Lecture

Location: [U Garden Restaurant](#) [3], 2725 University Ave. SE, Minneapolis [MAP](#) [4]  
Dinner & Annual Meeting 5:00-7:00 PM; lecture  
to follow [For details, click here](#)[2]

### **Oct 1 The Flambeau Mine, Ladysmith, Wisconsin: Geology, Minerals, Reclamation**

William Cordua, Ph.D., Prof. Emeritus, University of Wisconsin River Falls  
Location: University of Minnesota East Bank campus

### **Oct 15 Medical Geology**

Jennifer McGuire, Ph.D., Professor, Biology Department Associate Chair, St.  
Thomas  
University  
Location: University of Minnesota East Bank campus

### **Oct 29 Meteorites: Hard Evidence in the Mystery of our Cosmic History**

Craig Zlimen, M.Sc., Essentia Health-St. Mary's Children's Hospital (Duluth)  
Location: University of Minnesota East Bank campus ([Images of Meteorites](#) [5])

### **Nov 12 Tectonics versus Sea-Level Change in the 21st Century**

Karen Kleinspehn, Ph.D., Prof. Emeritus, University of Minnesota  
Location: University of Minnesota East Bank campus

### **Nov 26 Getting to the Core: Understanding Past Climate, Human Impacts, and Geological Processes using Lake Sediment Core Samples**

Amy Myrbo, Ph.D., Research Associate, Continental Scientific Drilling  
Coordination

Office, University of Minnesota  
Location: University of Minnesota East Bank campus

**Dec 10 Life and Death in Ancient Madagascar: Updates on the Spectacular Taphonomy of the Cretaceous Maevarano Formation**

Ray Rogers, Ph.D., Macalester College  
Location: University of Minnesota East Bank campus

**2019:**

**Jan 28 The Nitrate Contamination Problem in Southeastern Minnesota: The Importance of Geologic Controls**

Tony Runkel, Ph.D., Chief Geologist, Minnesota Geological Survey  
Location: University of Minnesota East Bank campus

**Feb 9 Saturday Laboratory: Learning How to Identify Minnesota's Fossils**

Conducted by Jeff Thole, M.Sc., Macalester College.  
The Geology Dept. is in SW area of basement of Olin-Rice Science Center  
(south end of campus, by tennis courts) at Building 14 on [Campus Map](#) <sup>[6]</sup> [Road Map](#) <sup>[7]</sup>

**Feb 11 The Great Magnet: Paleomagnetism and The Earth's Magnetic Field**

Bruce Moskowitz, Ph.D., Professor and Director, Institute for Rock Magnetism,  
University of Minnesota  
Location: University of Minnesota East Bank campus

**Feb 25 Dinosaurs and the Dawn of Our Modern World**

Kent Kirkby, Ph.D., Associate Professor, University of Minnesota  
Location: University of Minnesota East Bank campus

**Mar 11 Fossils on the Iron Range**

John Westgaard, B.A., Hill Annex Paleontology Project, [Science Museum of Minnesota](#)

[8]

Location: University of Minnesota East Bank campus

**Mar 25 Lands of Fire and Ice: Summary of the 2017 ILSG Trip to Iceland, and Insights into Minnesota's Own Rift**

Amy Radakovich, M.Sc., Minnesota Geological Survey  
Location: University of Minnesota East Bank campus

**Apr 8 Does Anybody Really Know What Time It Is? To a Geologist, it Depends on When You Start the Clock**

Karl Wirth, Ph.D., Associate Professor, Macalester College  
Location: University of Minnesota East Bank campus

**Apr 22 The Rover as a Field Geologist: Strategies for Understanding a Planet**

Julie K. Bartley, Ph.D., Associate Professor in Geology, Environmental Studies,  
and  
Provost's Office, Gustavus Adolphus College  
Location: University of Minnesota East Bank campus

**May 6 Geology of the Minnesota Arrowhead**

Mark Jirsa, M.Sc., Minnesota Geological  
Survey Spring Banquet & Lecture

Location: [U Garden Restaurant](#) [3], 2725 University Ave. SE, Minneapolis. [MAP](#) [4]  
Dinner 5:00-7:00 PM; lecture to follow

Attachment F  
GSM Lecture Video Report  
Submitted by Joe W

8/8/18

**GSM Lecture Video Report**

The committee consists of Joe Wright and Deborah Naffziger.

I have not taken advantage of the ability to buy a video capability for GSM. Video cameras have not improved while digital cameras have improved to where they can shoot very good video along with great still photos. However, as I was looking at cameras I learned that the EU slaps a tariff on any camera that can take video longer than 30 minutes. So most manufacturers limit the video time across their lineup no matter where the camera is sold. I found a new camera coming out from Panasonic that does not have the video limit and is not too expensive with a kit lens. It is available this fall so we could take a couple more videos with the camcorder before shifting over.

<http://shop.panasonic.com/cameras-and-camcorders/cameras/lumix-interchangeable-lens-ilccameras/DC-GX9M.html#start=1&cgid=cameras>

As for the making a video team we have not expanded the team. I thought of one GSM member that would be a great addition. She has plenty of video experience and uploading to the net. She talked to Dave at the end of the year meeting. Dave sent me her email address but I lost it. If Dave still has her name and email I think we could have a great addition. I am happy to finally report that I have sent Howard Hobbs the video of his presentation.

I still have all the videos on my computer. I have acquired video compression software but have not checked it out. I need to compress the video as once the file is modified it is too large to put on a DVD.

Joe

Attachment G  
GSM Field Trips & Tours  
Submitted by DaveW

**Report to Board: GSM Field Trips and Tours**  
**August 2018**  
**Submitted by GSM Field Trip Coordinator Dave Wilhelm**

GSM arranged two tours of the **St. Paul Water Treatment Plant** on Wednesday, May 23. Look for **Deborah Naffziger's** report in the August 2018 Newsletter. Dave Wilhelm's photos are on the GSM website.

**Erika Vye, Bill Rose, and Stephen Roblee** led a field trip to **Isle Royale National Park** during the third week of June. Seventeen GSM members participated. This trip left on the Ranger III from Houghton, MI, spent 3 full days on Isle Royale, returning on the fifth day. While on Isle Royale, the Michigan Tech research vessel Agassiz took participants to many scenic and geologically interesting sites, allowing them to see the beauty and geology of Isle Royale from both land and water. Participant **Matthew Schaut** wrote an article which appears in the August 2018 Newsletter.

**Mary Kay Arthur** and **Deborah Naffziger** organized a field trip in the **Thunder Bay, Ontario** area during July, 2018, led by members of the Ontario Geological Survey. 29 GSM members and guests participated. The OGS crew showed us the highlights of geology in that area, and there was much to see:

- On July 19, we visited two amethyst mines, **Diamond Willow** in the morning and **Panorama** in the afternoon. Although only a few kilometers apart, the mines were quite different. Diamond Willow was geared more to pure collecting, and a few of us hauled home quite a bit. At Panorama, the owner and his assistants gave us a very comprehensive, hands-on tour of their pit and the geology of amethysts. We ended by collecting specimens from material hauled up from the mine.
- On July 20, **Mark Puumala** and other geologists from OGS showed us debris-site breccias from the 1850 million-years-ago Sudbury Impact event, the Kaministiquia River Valley and its Kakabeka Falls, evidence of the approach and retreat of the Superior Lobe Glaciation, and Midcontinent Rift Formations.
- On July 21, Mark and other OGS geologists lead us east to the formations of the **Sibley Peninsula** and its spectacular **Sleeping Giant** Provincial Park.
- Many participants also spent a fourth day touring historic **Fort William**, which covers the history of the North American fur trade as a living history trading post set in 1816, with enactors in historically accurate costumes.

The field trip included bus rental for July 20 & 21, which worked out very well. A field trip guide is on our web site, as well as photos from the trip. Look for a trip summary by Deborah Naffziger in the November 2018 GSM Newsletter.

**Upcoming plans:**

We are planning a field trip to **southern Minnesota and northern Iowa**. The dates are not finalized, but the weekends of **September 22 or 29** are most likely. Sites to be toured include Faribault Energy Park; the Fossil and Prairie Center in Rockford, IA; Niagara Cave and the Karst Interpretative Site in Harmony, MN; Scheck's Mill and Big Spring in Caledonia, MN; and the Pickwick Mill in Winona, MN. When the dates are set, members will be notified by e-mail and web site.

On **Sunday, October 7 at 12 noon**, **Steve Erickson** and **Kate Clover** will conduct 90-minute walking tours of the building stones and architecture of **downtown St. Paul**. The tours will start in the main lobby of the [Science Museum of Minnesota](#), then go out to the deck overlooking the Mississippi River, to describe the setting of St. Paul and big-picture geology. From there, we will cover a leisurely 1½-mile course from the Science Museum to Rice Park, then along St. Peter and Wabasha streets, including stops at St. Paul Library, Landmark Center, Hamms Building, Original Coney Island Bar, Assumption Church, Wells Fargo Building, and Ecolab Building, among others. Our leaders will discuss the geology of the building stones, the architecture of the buildings, and the history of St. Paul and the State of Minnesota. We will see many interesting features found in rocks and discuss how these are formed in geology. A handout will be provided. This tour does not involve paid admission to the Science Museum. The tour is open to the public, so GSM membership is not required and guests are welcome. If the weather appears to be unfavorable on October 7, we will postpone the tour to the following Sunday. Any change will be posted on our web site.

Looking *much* further ahead, **Dave McGill** is investigating a field trip to **Switzerland** during summer 2020, led by local geologists. Dave Wilhelm and Randy Strobel met with Dave M in June 2018 in advance of Dave M scouting this trip in August. If this develops, information will be presented to GSM members during fall, 2018.

Attachment H  
Video Library Activity  
Submitted by DaveW

**Video Library Activity**  
**10-MAY-2018 through 09-AUG-2018**

**New VL members:** none

**Rentals:** 0

**Purchases:** 1 (\$21.40)

**Donations:** none

**Total Titles:** 311

**New reviews:** none

**Finances:**

\$9 cash