

APPROVED MINUTES

Board Meeting of the Geological Society of Minnesota, 21-Nov-2019

- I. **Opening and Welcome:** The meeting held at 7:00 P.M. at the Minnesota Geological Survey (MGS) building: **2609 Territorial Road, St. Paul, just west of Hwy 280** (Phone: 612-627-4780).
 - A. Notes:
 1. Minutes for the August 2019 Board meeting were previously approved by e-mail and posted on the GSM website. FYI: Board members have 10 days to review the preliminary minutes after the Secretary sends them out. Please be sure to do so by the date set by the Secretary.
 2. Minutes for the September 2019 Annual Meeting were previously approved by e-mail and posted on the GSM website.
 - B. Review and agree on the agenda for 21-NOV – All
 - C. Future Board Meetings:
 1. 06-FEB-2020 (one week early – check your calendars)
 2. 21-MAY-2020 (one week late – check your calendars)
 - D. Board Status – Dave W
 1. Current and incoming Board membership.

a) Patrick Pfundstein	2020 to 2023
b) John Westgaard	2020 to 2023
c) Wolf Bielefeld	2019 to 2022
d) Roxy Knuttila	2019 to 2022
e) Frank Janezich	2019 to 2022
f) Joe Newberg	2018 to 2021 began May, 2018
g) Dave Kelso	2018 to 2021
h) Deborah Naffziger	2017 to 2020
i) Dave Wilhelm	2017 to 2020
j) Dick Bottenberg	2016 to 2019
k) Kate Clover	2016 to 2019
 2. Current Officers.
 - a) President – Dave Wilhelm
 - b) Vice President – Deborah Naffziger
 - c) Treasurer – Dave Kelso
 - d) Secretary – Dave Kelso
 3. Board membership for 2020.
 - a) Due to term limits, Kate & Dick are leaving the Board on Dec 31, 2019. Thank you for your most recent four years of Board service.
 - b) Patrick Pfundstein and John Westgaard were elected to the Board at the GSM Annual Meeting on September 16. Their terms start Jan. 1, 2020.
 - c) First terms for Dave K & Joe end December 31, 2019. They were re-elected to second terms at the Annual Meeting.

4. New Board members will receive name badges at the November Board meeting, if not received earlier.
- E. Board Members present: Wolf Bielefeld, Roxy Knuttila, Frank Janezich, Joe Newberg, Dave Kelso, Deborah Naffziger (by phone), Dave Wilhelm, Kate Clover.
- F. Non-Board Members' present: Patrick Pfundstein, John Westgaard, Alan Smith, Becky Galkiewicz, Doug Zbikowski (by phone).

II. **Agenda items for consideration by the Board.**

- A. Election of Board officers for 2020. (Both outgoing and incoming Board members eligible to vote.)
 1. **M/S/P (Roxy/Joe) to elect Dave Wilhelm as President, Deborah Naffziger as Vice President and Dave Kelso as Secretary/Treasurer.**
- B. Treasurer's report – Dave K/Deborah
 1. Financial Report (Dave K supplied written reports to Board members).
 - a) Dave Kelso will submit financial reports in PDF format to Alan for posting on the private section of the GSM website.
 2. Board member review of finances – Deborah
 - a) Financial information (bank statements and checkbook register) have been reviewed and looked to be in order.
 3. Dave K & Deborah to supply written report and other pertinent information on investment of \$5,000 with RBC Wealth Management, as directed by the Board at the August 2019 meeting.
 - a) No written report submitted at this time. Dave K and Deborah met with RBC Wealth Management and deposited \$5,000 into an investment account for the GSM. Once we receive the first "statement" of our investments we will send it to the Board for review.
 - b) Dave K is the primary contact with RBC Wealth Management however, in the unlikely event that Dave K is unable to fulfill the duties, the GSM Board will assume those duties.
 4. Dave K to discuss retention and disposal of old financial records. See written report "GSM archived documents" attached to these minutes. Started by Dave K with comments by others added.
 - a) When Dave K assumed the treasurer's duties' he also took possession of 5 large bins/boxes of old treasurers' documents. The attachment lists the general contents and recommendations for disposition of the documents. It should be noted that about 95% of the contents are bank statements, deposit receipts and cancelled checks.
 - b) The Board indicated that Dave K, Dave W and Deborah should determine the appropriate disposition of the documents. In general, most documents will be shredded and those documents providing historical value (a few newsletters, Board Minutes) will be scanned and retained. Other financial information (financial

statements, bills paid, tax information) will be scanned and retained for seven years.

C. GSM website – Alan

1. Joanie Furlong is backup webmaster for when Alan is unavailable.
2. Public version of new website was made available to GSM Board in early November. Alan received much feedback.
 - a) Alan thanked the Board for their inciteful feedback.
3. Alan to supply written report and tentative schedule for new website.
 - a) The site is useable and almost ready to go. After all the comments have been incorporated into the website the Board will have the opportunity to review it.
4. Alan to demo new web site following the meeting.
 - a) Alan provided a walk-through of the website. Board members thanked Alan for all of his work on the site and are looking forward to its use.

D. Financial reports & other non-public info on the GSM website – Alan

1. Alan has developed a prototype of a password-protected area on the GSM website in which non-public documents (not including background checks) could be stored and to which Board members would have access. Dave W, Dave K, and Joanie have tried it and provided feedback.
 - a) This section of the website is under additional development.
2. Status of storing financial reports on web site. – Dave K
 - a) No financial information is currently being stored on the website pending additional development.

E. Long range plan for utilizing GSM funds - Theresa

1. Since there is no long-range plan for utilizing existing GSM funds (besides investment options) the Board recommended that the GSM membership should be queried regarding recommendations, ideas etc. for the future. See written report “Short Range-Long Range Projects” attached to these minutes.
 - a) This item is “tabled” for now. Dave W will contact Theresa to determine where we are at.
 - b) Since the response rate was quite low, it was suggested that input be requested from those not responding to the original request for ideas. When input is complete, a couple of people should be appointed to summarize/analyze the suggestions and report to the Board.

F. Membership– Joanie

1. Joanie supplied written report “GSM Membership Report” and “November 2019 New Members” attached to these minutes (including numbers total, new, renewing since 01-Sep).
2. As agreed at May 2019 meeting, a multi-year membership option has been implemented and is being used by some (30).
3. Joanie reports that producing a printed Member Directory costs \$160 (see her report). Should be authorize her doing this?

- a) The Board felt that the Member Directory was useful and would like to keep publishing it.
- 4. On the inside cover of the directory it lists donation levels (Guarantor, Supporting, Sustaining) and GSM member names who renewed or joined at that level. That is the only place that this is acknowledged. Does the GSM want to acknowledge these members? Maybe it would be more appropriate yearly in the newsletter?
 - a) After some discussion the Board felt it would be appropriate to continue acknowledging these members.
- 5. On the second page it lists the current board members, GSM address etc. Since we have the nice new GSM webpage that information is there. Leave that page out? Any other thoughts are welcome.
 - a) Kate will work with Joanie to work this out
- 6. Clarification needed on higher-level GSM memberships (Sustaining, Supporting, Guarantor).
 - a) Kate will work with Joanie to work this out.

G. State Fair

- 1. Dan resigned in October as State Fair Committee chair; we need a new person to fill that role. **Anyone, preferably someone currently on the committee, ready to step up?** This person need not be a member of the GSM Board. Dan will continue with the committee to advise the new chair. We also need a location to store the State Fair equipment, not necessarily the home of the State Fair chair.
 - a) No one as yet has stepped forward to assume these responsibilities.
 - b) Pat will contact Dan and set up a meeting to see how to proceed with this.

H. GSM Marker Survey project – Becky

- 1. Becky to supply written report “Marker Committee” attached to these minutes.
- 2. Becky currently has all the information and documentation for the project.
- 3. Report on Portsmouth Mine marker to be supplied.
 - a) The project has been completed

I. Minnehaha marker replacement status – Kate/Dick/Patrick

- 1. Patrick has joined this team along with Kate and Dick.
- 2. Kate supplied written report “Minnehaha Marker Report Nov 2019” attached to these minutes.
- 3. Doug Zbikowski to supply written input, and verbally by phone during meeting.
 - a) Doug indicated, by phone, that he has a lot of photos for the marker project and will work with Pat on this.
 - (1) Doug submitted the report “Doug Zbikowski Input on Markers” attached to these Minutes.

J. GSM scholarships and grants – Dave W

1. Dave W recently contacted Rosemount High School to supply written progress report on mock dinosaur dig site. The project is completed, and Dave hopes to get more photos. Dave plans to write a short article for Feb 2020 Newsletter.
- K. GSM Rock Hammer awards – Dave W
1. At the May meeting, the Board agreed on who should receive these.
 2. Awards to Sandy & Ed Steffner were made during the Annual meeting September 16 and will be reported in November 2019 Newsletter.
 3. Two other awards will be made publicly in the next few months as the opportunities arise and reported in subsequent Newsletters.
 4. Next rock hammer awards will be considered during 2021.
 5. Approximate cost of the Hammers is \$26 each.
- L. GSM baseball caps and t-shirts for members – Joe N
1. These were ordered and are being delivered.
 2. Joe N supplied written report “GSM Hat T-shirt Summary attached to these minutes.
 - a) The Hats and T-Shirts were well received by the membership. Thanks Joe for all of your hard work on this.
- M. Banquets – Dave W
1. Fall Banquet, Annual Meeting, and first lecture held at U Garden on 16-Sep-2019. Attendance 89. Annual meeting began 6:30 as recommended by Board. Annual meeting election results appear above.
 2. Propose that Dave W book with U Garden for April 27, 2020 Spring Banquet. The Board agreed with this proposal.
- N. Lectures and labs – Steve/Dave W
1. Lectures for fall 2019 in Vincent Hall Room 16.
 2. Steve has nothing to report for this meeting.
 3. Dave W supplied written report “GSM Lecture Attendance” attached to these minutes. Summary: 5 lectures, 446 total attendance, 89 average, 45 (10%) new
- O. Status of lecture video recording and distribution – Joe W
1. Video team consists of Joe W (chair), Dick, & Deborah. Deborah received instruction during 11-Nov lecture.
 2. Status (Joe W to supply written report on which lectures (dates & titles) have been recorded, and which of those have completed editing).
 - a) This has not been done as yet.
 3. Availability & process for member access to recordings. (Dave W has received many requests for these; we need to make this resource available.)
 4. Equipment purchases and/or needs.
 - a) None at this time.
 5. Discuss if we should provide complementary recording to each presenter.
- P. Newsletter – Theresa/Mark/Kate
1. November 2019 Newsletter released on November 18.

2. After 5 years in the role, Theresa resigned as a Newsletter editor, effective with publication of the November Newsletter.
3. Kate has accepted role of Newsletter editor effective for the February, 2020 Newsletter.
4. Mark Ryan, Harvey Thorleifson (MGS), and Rich Lively (MGS) to continue as Newsletter editors.

Q. "Ask GSM" activity – Theresa

1. Theresa supplied written report "GSM Questions Update attached to these minutes.

R. GSM Student Outreach – Joel Renner

1. Joel supplied written report "Student Outreach GSM Bd Report" attached to these minutes.
2. Object ID Day at the Science Museum of MN, Sat. Oct 5; Patrick supplied written report "GSM at Science Museum Object ID" attached to these minutes.
3. Possible Minnehaha Falls field trip – Patrick (Patrick considered setting this up in the fall after doing a trial run with Board members.)
4. Earmarked contribution: GSM member Tom Schoenecker plans to do the following: a) arrange yearly school student outreach visits to a school in Excelsior, and b) make an earmarked contribution to GSM to pay for such for as long as the funds last; Joel report: Nothing new. I believe Tom and Dave K made the arrangements. To date I have not heard from the school.
 - a) Dave K reported that we have received the money but has not heard anything else.

S. Mineral Club Rock Show – Kate

1. Third weekend of October: 19 & 20. Kate supplied written report "Minnesota Mineral Club 2019 Show" attached to these minutes.

T. Upcoming GSA - North Central Regional Conference - John

1. 54th Annual Meeting of the North-Central Section of the Geological Society of America is 18-19 May 2020 in Duluth, Minnesota at the Duluth Entertainment Convention Center. Link: https://www.geosociety.org/GSA/Events/Section_Meetings/GSA/Sections/nc/2020mtg/home.aspx . Maybe GSM would be interested? This may be another opportunity to reach possible new members. This will definitely be a geology audience, and we may reach be able to reach more people from greater MN.
 - a) John will keep us updated as we consider participating.

U. PO Box Status

1. President, Treasurer, and Membership Chair have keys. Box has been checked semi-regularly, typically before lectures, 1-2 items per week, after the rush of membership renewals in September and October.
2. Outside of lecture season, each keyholder should inform the others when they check the box, so we know if it has been a long time since it was checked.

- V. GSM Operating Manual update and review – Deborah/Dave W
 - 1. Dave W and Alan have prepared preliminary section on the website; not yet integrated. There will be some changes throughout the Operating Manual due to the revised website.
 - 2. Dave W plans to prepare preliminary section for lecture recording prior with Joe W, Dick, and Deborah’s input.
 - 3. Deborah plans to disseminate present revised manual with blank spaces for sections missing, after another review. It has been a year, and the rest is finished.
- W. Field Trip plans and feedback – Dave W
 - 1. Dave W supplied written report “GSM Field Trip Report Nov 2019” attached to these minutes.
 - 2. Dave W would like to see more people involved with field trip planning.
- X. Video Library – Dave W
 - 1. Dave W supplied written report “Video Library Bd Report Nov 2019” attached to these minutes.
- Y. In-memoriam contributions, if any – Theresa/Dave K
 - 1. None this quarter.
- Z. Receiving, acknowledging, appraising, and disposing of material contributions (rocks, tools, etc.) – Dave W
 - 1. Dick B received materials from Doug Z that he has delivered to Dave W that need to be inventoried. – no progress
 - 2. Materials (field trip itineraries, notebooks, photos) were donated by the family of Judy Hamilton. I’d not expect more material, as my contact has also passed away.
 - a) Dave W has made initial inventory; no further progress since November 2018.
 - b) Many newsletters, some of which we might be missing; need to compare with what is on the website.
 - 3. Possible donation of rock collection and/or chemistry glassware by family of deceased member Dave Broberg in early 2020.
- AA. New topics
 - 1. TBD
 - a) None offered.
- BB. Goals – Dave W
 - 1. Install new big-picture marker at Minnehaha Falls during 2019 – deferred to 2020.
 - 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 2019 – deferred to 2020.
 - 4. Develop video recording crew and optimize the equipment and processes; have first video recording of a lecture available to members in 2019 – deferred to 2020.

5. Complete update of GSM Operating Manual during 2019 – deferred to 2020.
 6. Others goals to add?
 - a) None suggested.
- CC. Adjournment
M/S/P Joe/Frank to adjourn.

Minutes submitted by Dave Kelso, GSM Secretary

III. Attachments

- A. GSM Archive List
- B. Short Range-Long Range Projects
- C. GSM Membership Report
- D. Marker Committee
- E. Minnehaha Marker Report
- F. GSM Hat T-Shirt Summary
- G. GSM Questions Update
- H. Student Outreach GSM Bd Report
- I. GSM at Science Museum Object ID
- J. Minnesota Mineral Club 2019 Show
- K. GSM Field Trip Report
- L. Video Library Bd Report
- M. Doug Zbikowski Input on Markers
- N. GSM Lecture Attendance
- O. November 2019 New Members

Attachment A
GSM Archive List
Submitted by Dave K

Listing of GSM archived documents

DEW – suggestions by Dave Wilhelm

KELSO – suggestions by Dave Kelso

DAN – suggestions by Deborah Naffziger

Deborah stated - I think we should retain 7 years stuff, supposedly that's what the IRS can go back to, but otherwise, yes shred it and dispose of it. Maybe keep checkbook registers or other things that show a global look at finances. Otherwise the individual checks and deposit slips and such can certainly go.

1. **Bank Statements** – these are the bank statements, mainly from TCF, that have been mailed to the GSM over many years. The more recent ones have scans of checks written by us. We have not received paper statements for the last couple of years as we get them electronically.
 - a. DEW: Scan and keep last 5 years.

- b. KELSO: Shred all bank statements. Statements can be obtained electronically via the TCF website which we do now. I keep a hard copy each month in order to balance and reconcile the checkbook. I also scan them and send to Deborah for scrutiny. At the end of the fiscal year I shred them.
 - c. DEW: I am fine with Kelso's plan.
- 2. **Bank deposit slips** – these are “transaction receipts” that we receive when we make a deposit. The receipts contain the date, last four # of our account, transaction amount, cash in/out and a reference #.
 - a. DEW: Discard once the deposit appears in a statement.
 - b. KELSO: Retain until the bank statement has been reconciled then discard. Once the bank statement has been reconciled, I file them away and shred at the end of the fiscal year.
- 3. **Bills paid** – bills that have been paid. There are not many of these and most are State Fair expenses.
 - a. DEW: Scan and keep last 3 years.
 - b. KELSO: Scan and keep last 3 years. There are not too many of these so scanning 3 years seems reasonable. The “financial reports”, which are in various forms can give us specific expenditures and trends.
 - c. DAN Scan and keep 7 years.
- 4. **Membership worksheets from renewals** – these worksheets have been used, primarily by Mary Helen, to record membership renewals during the annual meeting.
 - a. DEW: Not clear what these are; probably discard.
 - b. KELSO: Discard them all. These are simply Mary Helen's recordings of who gave her money for dues and their name/address etc. She would then transcribe them and give the info to Joanie for her records. This was simply Mary Helen's way of assisting Joanie during membership renewal.
- 5. **Thank you letters from recipients of GSM funds** – there are one or two of them over several years.
 - a. DEW: Scan and keep last 5 years.
 - b. KELSO: Scan and keep last 5 years.
 - c. DAN Scan and keep 7 years. People may need copies if they are audited.
- 6. **Capital One investment statements** – these are monthly statements many of which were downloaded from their website.
 - a. DEW: Scan and keep last 5 years.
 - b. KELSO: Shred them all. A year or so ago we liquidated and closed this account. Since we have received our money and closed the account, I don't think we need to retain these.
 - c. DEW: I am fine with Kelso's plan.
 - d. DAN Keep last few for 7 years. Just in case.
- 7. **Voided, returned checks** – these are the actual checks that members have written to the GSM for dues etc. once they have been processed by the bank. Over many years there have been two or three checks returned due to insufficient funds.
 - a. DEW: Discard once the check appears in a statement.

- b. KELSO: Shred them all. These are very old checks from back when banks returned the actual checks. Now everything is electronic.
- 8. **Financial Statements** – these are not bank statements but are, for the most part, spreadsheets labeled as Financial Statements containing summaries of income and expenses. It appears that some of these were either submitted or reported to the Board as part of the Treasurer’s report. Many of the spreadsheets are for specific months and/or quarters and very sporadic.
 - a. DEW: How do these differ from bank statements?
 - b. KELSO: Scan any spreadsheet, financial statement or treasurer’s report that contains a complete year of income and expenses.
 - c. DEW: I am fine with Kelso’s plan.
- 9. **Membership renewal form** – many with copies of checks.
 - a. DEW: Scan and keep last 1 year.
 - b. KELSO: Shred them all. Sometimes when we received renewal checks via our PO box, the check was scanned along with the renewal form and forwarded on to me and Joanie. This was not done regularly, and I don’t believe it has been done recently. I think the practice should be that when we receive a renewal via the PO Box that the renewal be sent to Joanie or Dave K.
 - c. DEW: I am fine with Kelso’s plan.
- 10. **Insurance Bills** – these are not invoices marked “paid” but are notices that our insurance premium is due soon.
 - a. DEW: Discard
 - b. KELSO: Discard. Once we have paid our bill, the insurance company acknowledges by way of a cover letter indicating our policy information. I keep this information in hard copy.
- 11. **Checkbook registers** – old and mostly prior to 2014 and pretty much unreadable.
 - a. DEW: Discard.
 - b. KELSO: Shred. The few registers are incomplete and very difficult to read. After I assumed the Treasurer role, I created an electronic checkbook register as part of the financial spreadsheet. Dave W and Steve E both maintain their own checkbook register so when I get the monthly bank statement, I transcribe their checks into the electronic register as part of the monthly reconciliation.
- 12. **IRS (990 form) notices** – these are simply “notices” that GSM needs to re-affirm our non-profit status with the IRS.
 - a. DEW: Scan and keep last 3 years.
 - b. KELSO: Discard. These are only notices. Once we have re-affirmed our status, the IRS informs us that we are o.k. I can explain the 990 form if there is any interest but in general it is a declaration of our non-profit status, income generated, expenses etc. it has nothing to do with income taxes and because we do not generate enough income to meet the IRS requirements there is very little information on our 990 form; the 990 form is available for the public to see via the IRS website.
 - c. DEW: I am fine with Kelso’s plan.

13. **Field Trip Balance Sheet** – Painted Rock trip 2011 is the only one I have found outside of some financial spreadsheets.
 - a. DEW: Discard.
 - b. KELSO: Discard.
14. **Marker Project Stuff** – mostly from 2009/2010 including various invoices, bills etc.
 - a. DEW: Check with Dick & Kate & Ed.
 - b. KELSO: Check with Dick & Kate & Ed. I found a separate folder with all this stuff.
15. **Tax records** – notices from the IRS (year 2000) that tax forms need to be completed.
 - a. DEW: Discard.
 - b. KELSO: Discard. I think this notice is from a time prior to when the form 990 was required to be completed by all non-profits.
16. **Some Board Mtg minutes 2008-2010.**
 - a. DEW: Scan & retain what we don't already have.
 - b. KELSO: Scan & retain what we don't already have. I will check for items older than 2008.
17. **Board Mtg notes from 2000 and a few newer.**
 - a. DEW: Scan & retain what we don't already have.
 - b. KELSO: Scan & retain what we don't already have. These don't appear to be actual minutes, but I will check them out to see how or if they relate.

11/6/2019
Dave Kelso

Attachment B
Short Range Long Range Projects
Submitted by Theresa

Possible short range & long range projects 8-2019

Dave Wilhelm (dewilhelm53@msn.com)

Kate Clover (kclover@fastmail.fm):

A couple of ideas,

- 1) Work with the NPS to install an interpretive sign at Coldwater Creek
- 2) Work with Friends of the Mississippi on other signage for the region
- 3) Once completed, upload a jpeg of the Minnehaha Marker to the GSM website
- 4) Work with some IT savvy student looking for a project to spiff up the GSM website, adding pictures, more interactives, etc.

Deborah (moonandowl@aol.com)

Dave Kelso (dkelso46@gmail.com):

Not having much "history" with the GSM, I am not very knowledgeable on the operational aspects. I do believe that because we are a non-profit organization we should concentrate on spending money for GSM education and projects. 1) We could consider increasing the speaker's fee for lectures, 2) We could subsidize or pay for school lectures, 3) We could establish an on-going scholarship for students or earth science related projects.

You have probably received several ideas for spending money. Perhaps a 2 or 3 person committee should be formed to wade through all the ideas and bring a recommendation to the Board.

In any event I would like to see an actual budget developed and approved by the Board to better track and understand our operations. Various projects, committees etc. would have a budget so those responsible would know their financial limitations for operating. I put together a "working budget" a few months ago to better understand what we do financially.

Dick Bottenberg (dbottenberg@hotmail.com)

Joe Newberg (joenewberg@gmail.com): Nothing to Add

Frank Janezich (fjanezich@gmail.com)

Roxy Knuttila (rknuttila@gmail.com)

Wolfgang Bielefeld (wbielefe@iupui.edu):

My feeling is that we should provide something of value to both the bulk of our membership as well as those in the general public with geological interests. Promotion to the latter category will both provide the public with something of educational value as well as attract new members to the society. That said, I have three projects in mind.

1) Bring in one "significant/high profile" lecturer a year. These could be folks who have authored an influential publication (journal article or book) -- possibly an author of a new book on a book tour. Or, they could be the recipient of a noteworthy award or honor. In any case, their work should have widespread significance for the field as well as public interest. This will cost more (travel/honorarium), but would be of interest to both members/nonmembers, would serve to promote the society, and could facilitate collaboration with other scientific/educational organizations in this area.

2) Make lectures available online to the public. I know this is in discussion at this point, but if more resources are needed, they should be provided. This, again, will have both educational as well as promotional payoffs.

3) Sponsor/support the publication of a significant educational geologic resource for the public. This could be produced by a local or regional geologist. To be most useful, this could be something of Minnesota-wide interest. An example might be a "Geologic Timeline of Minnesota". While this (or other such topics) might already exist in some form in some academic source, but augmenting it for more public consumption and making it widely available would provide both public educational and promotional value. We could also look for topics which haven't been explored in the past.

Mark Ryan (mark_ryan@earthlink.net)

Mary Helen Inskeep (maryhelen74656@yahoo.com)

Alan Smith (smith213@umn.edu)

Joan Furlong (jfurlong12345@yahoo.com)

Randy Strobel (randy.strobel@metrostate.edu)

William Robbins (argongas@q.com)

Steve Erickson Owner (sgerickson3821@centurylink.net)

Sandy Steffner (ssteffner41@gmail.com)

Rebecca Cornwall Galkiewicz (galkie@usfamily.net):

1) I think outreach to the community (schools, markers, State Fair, etc.) is inspiring to members and should attract visitors and potential new members.

2) I would love to get some younger people involved.

3) There should be back up plans, understudies, etc. for certain key people - like Dave Wilhelm and Steve Erickson.

4) We need a different way of getting markers into the communities and around the state - such as using GPS coordinates, highway type of signs to indicate "you found it!", and web page containing the information, instead of the current reliance on monuments and bronze plaques. The old-style monuments are subject to vandalism and are time-consuming and quite expensive to erect.

Joe Wright (jwright217@charter.net)

Ruth Jensen (tashamonster@rocketmail.com)

Edward Steffner (ebsteffner@yahoo.com)

John Jensen (johnlovesruth@hotmail.com)

Theresa Tweet (phoenix8185@gmail.com):

1) I would like to see "one" State Fair ticket purchased for State Fair booth volunteers to encourage volunteer participation.

- 2) I like the idea of contributing funds/ scholarships to help defray the costs of geology students who would like to attend different geology events like Isle Royale, or the upcoming 2020 North-Central GSA conference in Duluth.
- 3) I would also like to financially help the Hill Annex Project construct “Fossil Education” boxes that can be checked out by local teachers.
- 4) Regular funding of the Student OutReach Program.

Dan Japuntich (danjap7@gmail.com)

Patrick Pfundstein (patrickpfundstein@mac.com), patpfund@yahoo.com:

- 1) See if we can find more programs at the High School level (like the one supported this past spring).
- 2) Maybe sponsor a U of M geology student’s textbook each quarter (they seem to run around \$100, so maybe an award around \$125?). We could either have the Survey handle the choosing, or maybe use some form of lottery on the website (driving traffic there, which exposes a potential local target audience to our lecture schedule.)
- 3) See if the Survey has any ideas to support students (I saw a \$20 field trip fee for one class; maybe GSM picks up that tab for a class here and there, which could spend down \$200-\$500 depending on class size).

Joel Renner (jlrenner@live.com):

John Westgaard (jwestgaard@smm.org):

- 1) Hill Annex Paleontology Project (HAPP) has proposed a field trip session for the spring 2020 North-Central GSA conference in Duluth. We are working on publishing a field guide to the paleontology of the Mesabi Iron Range in conjunction with this field trip. We’d be open to an entity wanting to help sponsor the cost of the field guides with HAPP.

Attachment C
GSM Membership Report
Submitted by Joanie

GSM membership report Nov 2019

Joan Furlong

GSM directory

Cost is about \$1 apiece for printing and mailing directories. With 154 members, plus printing some extras it would be about \$160 dollars.

The membership directory is a GSM tradition and it can be used to connect members who live in the same area for ride sharing to lectures or field trips. Helpful especially for new members. On the other hand I'm not so sure, does it feel old school? I would love to have your thoughts on that. Do you want it?

Also I would like the board input on two things if the board chooses to do the directory.

On the inside cover of the directory it lists donation levels (Guarantor, Supporting, Sustaining) and GSM member names who renewed or joined at that level. That is the only place that this is acknowledged. Does the GSM want to acknowledge members? Maybe it would be more appropriate yearly in the newsletter?

On the second page it lists the current board members, GSM address etc. Since we have the nice new GSM webpage that information is there. Leave that page out? Any other thought are welcome.

GSM membership information. The main renewal period is done.

GSM has 154 members that have renewed or are new members. (52 Family and 102 Individual)

124 renewed for one year, 15 for two years and 15 for 3 years.

58 have not renewed

Attached are new members for 2018 and 2019 and how they heard about GSM.

Attachment D
Marker Committee
Submitted by Kate

Marker Committee
November 21, 2019

Members of the Marker Committee have visited most of the markers in the state. Since the markers are scattered around the state, this has been a time-consuming task. Most of the searching has been done during the warm weather months since it is easier to find them then.

We have about 53 markers currently installed, starting in 1949 up to 2009. The text for each is on a bronze plaque affixed to a monument. There are another 16 markers that have sites selected and text written but funding has not been available to install them. There are ideas for future markers - Minnesota is rich with geological sites.

The Marker Committee suggests consideration of various ways of displaying the information. The current method is time-consuming and expensive. Barriers:
— need research/writing of text, with review of text by MGS (Geological Survey), DNR

(Natural Resources), GSM (Geological Society), MHS (Historical Society), and UM English Department

- need to consult with DOT (Transportation) and local towns/cities/historical societies for siting
- need to get bids from 3 or more contractors for plaque making and marker construction
- cost in time and money to plan, construct and install each marker
- maintenance is necessary - plaques have been stolen or vandalized or have fallen down.

Alternative methods include:

- use a plaque with illustrations, color, diagrams, photos to explain the geological significance (e.g. Split Rock Point, Minneopa SP)
- use a highway sign - "Geological Marker" with web address - to indicate that a person has found the location. He/she should go to the GSM Marker Home Page to find the text explaining the geological significance.

The Marker Committee recommends revising and reprinting the brochure that was handed out to State Fair attendees in 2018 and 2019. We should also attend other annual gatherings, e.g. Minnesota science teachers, rock collectors, etc. to encourage more people to use the Markers. We should also make brochures available at the Science Museum and the Museum of Natural History. And we should work with the Marker Home Page to assure its accuracy and userfriendliness.

Rebecca Galkiewicz

Attachment E
Minnehaha Marker Report
Submitted by Kate

To: GSM Board
From: Kate Clover, Patrick Pfundstein, Dick Bottenberg
Date: November 20, 2019

RE: Minnehaha Marker Report

As of November 2019, we are again working on completing the Minnehaha Marker. In August 2019, Dick Bottenberg received a draft of the marker completed by the park's graphic designer. The last we'd heard from the park, was August 2018.

For the project, Dick Bottenberg has served as advisor and liaison to the park; however, as Dick term on the GSM board expires, Nov. 2019, Patrick Pfundstein, new on the GSM board Nov. 2019, has agreed to help complete this project. Patrick has experience with the Minnesota

Historical Society and knows how visitors use text materials. My term on the board also expires Nov. 2019, but I will continue to work on this project until completion.

With the draft of the marker from the park, we learned of dimensions within the 32' x 48" that could be used for content (text and illustrations) excluding the white space in the park's design template. Since then, Patrick Pfundstein and I have made edits to the text, revised the illustrations all to be succinct and concise. We will continue to polish the text and illustrations and get this back to the park as soon as we are confident every word and illustration will help park visitors understand the complex geology illustrated at the park. We will also pass our final draft by Carrie Jennings and Harvey Thorleifson for review.

In the process we may also need to engage Chris Burda artistic skills to redraw the river. I have told Chris GSM will reimburse her for her time and expertise. She has helped with this interpretative panel for 2-3 years.

We have received comments and suggests from Doug Zbikowski, and we will integrate those that fit into the panel and help to articulate the story.

Attachment F
GSM Hat T-Shirt Summary
Submitted by Joe

GSM Hat/T-Shirt Campaign

1. The hat/t-shirt campaign was initiated last spring. Specifics were worked out with Big Frog Custom T-Shirts in August and samples obtained. Orders were taken at the GSM meetings on Sep 16 and 30. Distribution began on October 30. A total of 15 hats and 53 shirts were ordered. About 2/3 of them have been picked up/delivered to date.

2. Financial Summary:

- a. Income:

9/16/19 order	\$290.00
9/30/19 order	671.00
Late orders	<u>43.00</u>
Total	\$1004.00

- b. Expenses:

Logo Costs	\$70.99
Hat/Shirt Order	831.20
Shipping	24.79

Print Order Forms 15.05
Total \$942.03

c. Net Profit \$61.97

Attachment G
GSM Questions Update
Submitted by Theresa

GSM Questions Update 2/21/2019 - 11/18/2019
Questions do not include multiple replies:

<http://gsmmn.mngeology.net/contact>.

We have also been receiving our copy of the “Minnesota Mineral Club's April Newsletter” through this site.

1. Fossil Identification: 11/16/2019: R.W., (Dave W. responded to this message, and passed it on to Roger B. Roger said that he should be able to identify most of the fossils, and if not, there might be one or two others available that could do the job).
2. N.J. had questions about the different membership levels and the benefits that they provide. 10/11/2019: N.J.: (Dave W. handled this one, and welcomed N.J. to the GSM organization).
3. Finding information about property geology: 10/10/2019: P.B. Person was looking for geological information about the property that they live at. (Dave W. directed them to contact the Minnesota Geological Survey).
4. MinnPost geography question: 9/5/2019, Reporter Greta Kaul at MinnPost working on a story about how flat Minnesota is relative to other states. I'm wondering if someone at the Geological Society of Minnesota might be available to chat with me before about 10 a.m. tomorrow about why Minnesota is flat — basically looking to learn about the glacial history as well as why we see elevation in some places, like Buffalo Ridge, the Duluth Complex and the Driftless area. (Theresa T. wrote back explaining that we were not given enough time to find an expert in the field to talk to her.) She finished her article, but also apologized, saying that next time she would ask sooner.
5. Classroom Donation for Rosemount High mock dig site: 9/1/2019: A thank you to Dave Wilhelm and the GSM from J.C. for a donation made to their Mock Dig site.
6. Student Opportunities: 8/8/2019: T.C. (Theresa T. responded with information about rock shops, those attending lectures, and the Minnesota Mineral Club Annual meeting).

7. Rock Identification: 8/21/2019: K.S. (Theresa T. responded with information about rock shops, those attending lectures, and the Minnesota Mineral Club Annual meeting).
8. Rock Identification: 8/6/2019, H.L., (Theresa T. responded with information about rock shops, those attending lectures, and the Minnesota Mineral Club Annual meeting).
9. Lake Superior Geology Presentation: 7/30/2019: S.A., Sent to Joel.
10. Types of rocks in Ottertail County: 7/28/2019: M.N., (Theresa T. responded with information about rock shops, and asking those attending lectures).
11. Geology learning opportunities for a 9 year old: 7/18/2019: S.H. (T. Tweet, sent S. several links to geology options here in the twin-cities including the link to our GSM site as well as our Marker site, the Science museum of Minnesota, the Minnesota Mineral Annual show site).
12. Presenter at college: 7/18/2019: B. S.: Teacher teaches at a tribal and community college in Mahanomen. The message was turned over to Harvey Thorleifson, who sent it on to Barb Lusardi, who was able to turn it over to Jennifer McDonald of the Minnesota Geological Survey for a presentation on 11/5/2019, while the MGS is doing some atlas mapping in that region – a wonderful piece of community outreach!
13. Questions on the “Sand and Sandstone” trip in September: 7/5/2019: S.K. (Dave Wilhelm welcomed this new member and informed her that a general mailing for the next SAFL tour will be sent to all members probably in October).
14. Donation: 6/20/2019: H.H. (Dave Wilhelm, a group of teachers wanting to make a donation in memory of a coworker who has passed (Rita Childs). A donation was received in the form of a check for \$80.00 – Dave Kelso handled this portion of the request).
15. Follow-up from the May Presentation: 5/29/2019: From John Westgaard, a thank you note, Donor Form, and 2018 Season report.
16. GSM News - 649 MB digital archive – GSM News back to 1943: 5/2/2019: Received from Harvey, and used in recent Newsletter.
17. GSM Monday 8 April - UTube thoughts: 3/27/2019: K. W.: (David Wilhelm forwarded this to Steve Erickson, Steve Erickson responded well, “We would like to record your talk, but we are not planning to post this on UTube. We are studying this for the future. If you would like to adjust your talk for UTube, please do so. That way we might be able to post your talk at some future time. We are still learning about this and discussing this possibility. Our Society is to reach out to the general public with Earth Science information. UTube would be a natural. For now, we are not doing this. We would not post your talk without written permission from you before posting.”)

18. North Dakota Petroleum Foundation Teacher Education Seminar - June 17-20, 2019
 - a. Inbox: Forwarded from Randy Strobel: Randy.Strobel@metrostate.edu (From B. G. - MESTA)
19. Presentation at Farmington Elementary School: 4/5/2019: J. S. (T. Tweet responded to this question, 16 presentations were wanted. However none were given because they were requested during finals week at Macalester, and classes had already ended).
20. Change of membership name from husband to wife: 4/5/2019: P. W. M. – (Dave Wilhelm replied that he contacted our Membership Chair, and that she could not find a membership under either name. Wrong organization?)
21. Poplar Bridge Elementary School SEAM fundraiser: 3/1/2019: A. J. - (The school wanted GSM presenters and we were not given much time to pull people together. T. Tweet responded, maybe next year?)
22. Agate identification: 2/22/2019: D. G. (T. Tweet, replied on March 6th with our “GSM” Rock ID info. Dave Wilhelm. Followed up with a specific meeting date.)
23. Information on Superior Agates: - 2/25/2019: C. G. What are the officially recognized types of Lake Superior agates? C.G. wanted information on starting an agate collection so I sent him a few online links. (Theresa Tweet)
24. Student Opportunities - 2/22/2019: T. C. T. wanted some information about available positions (volunteer or paid) with the GSM. (Theresa Tweet) Nothing available through us, but maybe the Hill Annex?

Attachment H
Student Outreach Bd Report
Submitted by Joel

Student Outreach GSM Board Report Nov 2019
Joel Renner

A school in Chaska has indicated that they may request a talk in January or February 2020. Since the students have not yet finalized class schedules for early 2020 they are not able to respond to a firm date from the school. Students also may not be able to make arrangements for transportation to Chaska. I am reaching out to the students for confirmation of their ability to travel to Chaska.

Attachment I
GSM at Science Museum Object ID

Submitted by Pat

GSM at Science Museum Object Id Day
Patrick Pfundstein
October 5, 2019

Object ID Day is now in the books, and it went really well from my point of view. This time we weren't in the gallery, but in a room off the gallery with tables for archaeology, geology, and paleontology. I'd guess I probably talked to 80-100 people over the four hours. Flow through the room was steady rather than heavy, but given my solo status that was good. I had enough breaks to sip water, but kept talking enough to make time fly (and we had peeps right up to the end; I was the last table to come down. Though the stars of the show were the dinosaurs next door, I'd guess the rocks came in a solid second, probably due to the hands-on nature of our objects; I didn't need any of the "No Touching" signs found on many of the other tables.

A panorama is attached; the table had 100 brochures in the rack, the GSM disc sign from Dino Day, some easy rock/mineral ID questions, a Mohs scale sample kit and scratch plate from Roxy Janezich, a home Mohs tester collection (glass from Roger, steel nail and pre-1982 pennies from me), a couple of lighted magnifying glasses (from Ax Man!), a piece of Platteville limestone (mine), State Fair rocks (talc, #5 Banded Iron, Thompsonite box, granite and basalt cores, MN Minerals and Rocks box), magnets and vinegar for testing, a couple mineral guidebooks, a printed picture of the spectacular meteorite (pallasite?) we had in last year, an Earth timeline in 10", and a paleogeography map of the Earth 450 mya (when the local limestone was made).

There weren't nearly as many objects to ID as there were people to talk to (probably good given my pretty limited mineralogy expertise (Roger drifted by a few times to help out, and tagged one item as apatite), so this was more of a State Fair like experience. Time zoomed by pretty fast.

An article appears in the November 2019 GSM Newsletter.

Patrick



Attachment J
Minnesota Mineral Club 2019 Show
Submitted by Kate

To: GSM Board
From: Kate Clover
Date: November 15, 2019

RE: Minnesota Mineral Club Fall 2019 Show Report

The Minnesota Mineral Club hosted its Fall 2019 Rock show at the Cottage Grove Armory on October 19 and 20 and GSM hosted a table at the event. GSM volunteers distributed lecture schedules, marker brochures and talked about the rocks on our table. Attendance at the show was about 1900.

Our volunteers included: Dick Hedlund, Dave Kelso, Steve Fox, Zan Tomko, Lynne Grigor, Rube Parker, Dave Wilhelm; and me-- show organizer, Kate Clover. Volunteers each donated from 2- 5 hours.

Our contact at the Mineral Club is Maureen Scaglia. mascaglia@comcast.net

Daniel Bissonnette is club president and expressed gratitude for GSM's presence at the show. www.minnesotamineralclub.org

Attachment K
GSM Field Trip Report

Submitted by Dave W

GSM Field Trip Report Nov 2019

Dave Wilhelm

We had a very sparse field trip season in 2019. We hope to offer more in 2020. I really could use a co-chair for field trips if anyone is interested.

September 7-9 conducted a 3-day Sand & Sandstone field trip to eastern Minnesota and northwestern Wisconsin, led by Randy Strobel and Dave Peters. Attendance for each of the 3 days was 35, 43, & 26. Two trip reports appear in the November, 2019 Newsletter.

I am investigating having another tour of the St Anthony Falls Lab during December. Waiting to hear back from Barbara Heitkamp at the lab.

Deborah Naffziger is investigating a 2020 trip to Southeastern Ohio, but finding progress hard. Her report from Nov 19, 2019: Things are not going well there. Everybody points me to websites and books, and there is no offer of a guide. People are nice, but they won't commit themselves, even when I say we pay. So recommendations are welcome. I am somewhat stymied. I have contacted Ohio Geological Survey: <http://geosurvey.ohiodnr.gov/>. They gave me book recommendations. I will try again later in the week.

Dave McGill was investigating a trip to Switzerland, first for 2020, then for 2021. Here is his report from Nov 13: As I mentioned, I don't feel comfortable planning this trip alone, so I think it is best I shelve the idea for now. Hopefully another time, perhaps.

Attachment L

Video Library Bd Report

Submitted by Dave W

**Video Library Activity
08-AUG-2019 through 21-NOV-2019**

New VL members: 1 (David Fox)

Rentals: 12

Purchases: 1

Donations: 0

Total Titles: 335

New reviews: 3

Finances:

No new deposits

\$24 cash on hand

Attachment M

Doug Zbikowski Input on Markers

Submitted by Doug

Doug Zbikowski input on GSM markers

Nov 21, 2019

I'll give you an outline now and report later.

Markers:

1. Website - a quality audit should be done of the web pages devoted to marker locations. I just looked at Good Harbor Bay (directions all screwed up and sounding goofy) and Grand Marais (picture of wrong marker). I don't know if anyone on the GSM markers committee knows the markers well enough to do this.

2. Minnehaha Falls graphic panel. The present draft panel (the last that I have seen) has taken four years and is riddled with errors, incoherent, and unclear. The graphics are very bad (an aerial image is so pixilated that it's like someone was trying to hide the identity of the park!) The Minneapolis Park folks may be responsible for some of this mess. I will suggest two solutions to the Board to redesign the production process and create a quality product. Minnehaha Falls is a very important location.

Attachment N

GSM Lecture Attendance

Submitted by Dave W

GSM Lecture Attendance

2019-2020

Summary to date: 5 lectures, 446 total attendance, 89 average, 45 (10%) new

2019-11-11 76 Natural Archives from Shallow Lakes, Wetlands, and Springs of the Great Basin Show Evidence of Extended Periods of Drought over the Past 6000 Years (*parking issues caused a few not to attend; 15 new persons – all St. Thomas students suggested to attend by their professors*)

2019-10-28 101 Reptilian Giants of South America after the End Cretaceous Mass Extinction (*11 new persons – state fair, neighbor, web site; Science Museum*)

2019-10-14 98 Color in Minerals and Why it is Important (*12 new persons – state fair, friend, web site; related to the presenter; one long-ago member returning*)

2019-09-30 82 Introduction to Alberta Oil Sands Mine Tailings: Management, Regulation, and Research (*2 new persons – state fair, friend*)

2019-09-16 89 The Geology of the Bakken Formation, North Dakota (*fall banquet & annual meeting; 5 new persons – state fair, friend*)

Attachment O
November 2019 New Members
Submitted by Joanie

2018

Neil Simons January

Greg Mace February MN State Fair 2016

Daniel Scoll February Website

Carolyn Dry February Took a class from Jim Miller in Grand Marais

Jim Platt February Web Search

Rachel Tuck April Graduation upcoming and entrance into professional world

Stacy Schul May Worked with Dave Wilhelm at Smith Medical

Sara Huffm May Website

Gaby Sasse May Online

Richard Bok May My U of M Geology 1001 Professor

Olivia Hans May Google

Jim Maas

May

Kate Kleiter June On-line AIPG, API

Marilyn Joh June interested in field trip, checked out website

Brent Silvis July Web Search

Adam Pofer July Fossil Hunting

Anne Briese August State Fair

Carolyn Sam August A friend who brought me to a lecture

Karen Moss September MN State Fair

Gary Lorenz September Member many years ago

P Jane Stau September State Fair

Robert Ran September State Fair

Chris Corde October Gift subscription from friends

Gregory Be October

Nancy Rand October Another member invited me. I came to a lecture, was impressed & wanted to leave

David Ondi October I have attended GSM program in the past

Rod Leas
October

Angela & PeOctober State Fair

James Bras December State Fair

Carol Nanki December State Fair

2019

Ann Brown January MN State Fair

Sherry Kutt February I'm purely an amateur but am retired now and always loved geology

Margaret W February Booth at the State Fair

Alice & Tom March GSM members

Katherine E March online google search

Sarah Parke September friends who were GSM members

Steve Fox September State Fair

Edwin Shep September State Fair Booth

Rose Keller September

Abigail Wilw September Given membership as a gift

Raymond S September MN State Fair

Mark Ande October MN State Fair

Nancy Jann October Have been promising to do this since I retired from Winona State Univ.
Used field Ed Mellgren October
d trip guide in past, took students to talks, etc. Time to reconnect