

2020 AIPG MN Annual Meeting

December 16, 2020

Attendees: Ben Czeck, Paula Berger, Alex Blel, Bruce Johnson, Curtis Hudak, Jake Dalbec, Dan Hunter, Dylan Young, Emma Schneider, Mike Hultgren, Jeri Massengill, Keith Rapp, Lauren Larkin, Jeff Neisse, Sara Nelson, Ryan Mathieu, Rebecca Ryser, Shanna Schmitt, Kelsi Ustipak, Christina Morrison

Call to order

- a. Meeting called to order at 11:40 AM on 12/16/2020.
 - b. Enough voting members for a quorum; 19 members present; 20 in attendance.
1. Review and approval of previous meeting minutes
 - a. Draft 2019 Annual Meeting Minutes.
 - i. **Shanna Schmitt made a motion to approve the Draft 2019 Annual Meeting Minutes, motion passed.**
 - b. Draft 10/27/2020 Executive Committee Meeting Minutes
 - i. **Dan Hunter made a motion to approve the 10/27/2020 Executive Committee Meeting Minutes, motion passed.**
 2. Election results
 - a. Summary of results
 - i. President Elect – Ben Czeck, MEM-2877
 - ii. Vice President – Christina Morrison, MEM-3088
 - iii. Secretary – Miller Gruenewald, YP-0323
 - iv. Treasurer – Rebecca Ryser, YP-0580
 3. Officer and Committee Reports – See attachment unless noted
 - a. President
 - b. President-Elect
 - c. Vice President
 - d. Secretary
 - e. Treasurer
 - f. Past President-No Report
 - g. Fundraising Chair
 - h. Membership Chair
 - i. Education Chair
 - i. Bruce Johnson requested a motion be made to authorize \$1,000 to Heidi Krauss, UMD for the Section Student Grant.
 1. **Shanna made a motion to authorize the \$1,000 grant to Heidi Krauss, motion carried.**
 - j. Regulation & Legislative Chair
 - k. Newsletter Chair-No Report
 - i. **Lauren Larkin offered to support Shanna Schmitt in working to revitalize the newsletter this year.**
 - l. Webmaster

- i. **Shanna Schmitt provided an update that we need to discuss making a potential switch from PayPal to StarChapter Pay to save money. She has a table to present at a future Executive Committee Meeting.**
 - m. Nominating Chair-No Report; *Appointment Pending*
 - n. Screening Chair-No Report; *Appointment Pending*
 - o. State Mapping Advisory Committee-Jake Dalbec assumed the appointment to represent AIPG-MN on this Committee from Damon Powers in 2020.
- 4. Mineral Kit Donation for the Minnesota Minerals Education Workshop (MMEW).
 - a. Mike Hultgren provided an update that we did not donate mineral kits in 2020 and we will not be donating kits in 2021. The mineral kits were not distributed due to the cancellation of the MMEW until an in-person workshop can resume safely, hopefully in 2022. **Christina Morrison will keep the Board in the loop about potential sponsorship opportunities with MMEW until the full workshop can resume.**
- 5. TPG Student Issues Order.
 - a. We invested \$250 toward providing issues of TPG for students in 2020.
 - b. Shanna Schmitt recommends discontinuing this in 2021.
 - i. Reasons are: limited to no in-person school, so there is limited access to this resource if located on-campus; the TPG issues are free to students;
 - ii. **Provide a link to TPG on our website in lieu of providing hard copies to students on-campus.**
- 6. Donation to host chapter for annual meeting
 - a. \$250 had been earmarked in 2020 for the annual meeting (cancelled);
 - b. Should we rollover this “ear-mark” to 2021?
 - c. A suggestion was made to use the money now toward students who applied for the previous grant.
 - d. **Tabled until a later Executive Committee Meeting to allow time to review the budget and determine how to disperse extra funds.**
- 7. New Appointments for 2021.
 - a. Director #1 will be filled by Ryan Mathieu as Past President. Term 2021.
 - b. Director #2, will be filled by Alex Blel. Term of 2021-2022.
 - c. Director #3, currently held by Paul Putzier, will be open. Term of 2020-2021.
 - d. Director #4, will be filled by Lauren Larkin. Term of 2021-2022.
 - e. Director #5, currently held by Kelsi Ustipak, will be open. Term of 2020-2021.
 - f. Director #6, will be filled by Jeffrey Neisse. Term of 2021-2022.
 - g. State Mapping Advisory Committee, AIPG Member. Discussion took place earlier and volunteers were identified.
 - h. Webmaster & Assistant Webmaster. Shanna Schmitt and Jake Dalbec agreed to continue.
 - i. Education Chair. **Mike Hultgren agreed to assume the role of the Education Chair from Bruce Johnson.**
 - i. Ben Czeck expressed interest in serving with the Education and Scholarship committees.
 - ii. Jeri Massengill was not able to attend this portion of the meeting, however, we understand she has ideas we should explore about the scholarship and grant programs. Consider reaching out to Jeri about serving on the committee.

8. Sponsorship
 - a. Routinely consists of a group of 8-9 sponsors.
 - b. Questions considered: how do we get more sponsors, should we look at levels, what should we put in the solicitation letter, should we adjust the rate.
 - i. Keep the \$250 fee; hard to lower then increase later, better to be consistent.
 - ii. Paula will send out a draft for review, keep the current sponsorship rate and highlight where the sponsorship fees will go (funding education program).
9. Other
 - a. Inclusivity/Anti-racism
 - i. Member brought forward personal stories and offered ideas on how to target scholarships/grant opportunities to underserved communities.
 - ii. Should we start a Racial Justice Committee?
 - iii. Follow-up with Jeri to see if she would be interested in leading a sub-committee toward this effort.

Dan Hunter made a motion to adjourn at 1:50 PM, motion passed.

MN SECTION OF AIPG
AGENDA FOR 2020 ANNUAL MEETING
Wednesday December 16, 2020 11:30 AM – 1:30 PM
Conference Call

Current AIPG Executive Committee:

President, 2020	Ryan Mathieu
President-Elect, 2020	Dan Hunter
Vice President, 2020	Alex Blel
Secretary, 2019-2020	Christina Morrison
Treasurer, 2019-2020	Jeff Neisse
Executive Committee Person 1 (Director)	Sara Nelson (2020)
Executive Committee Person 2 (Director)	Jake Dalbec (2020)
Executive Committee Person 3 (Director)	Paul Putzier (2020-2021)
Executive Committee Person 4 (Director)	Lauren Larkin (2019-2020)
Executive Committee Person 5 (Director)	Kelsi Ustipak (2020-2021)
Executive Committee Person 6 (Director)	Ryan Schaefer (2019-2020)

2020 Committee Chairs & Appointed Positions & Representatives

Screening Committee

Chair: *appointment pending*

Members: *pending*

Nominating Committee

Chair: *appointment pending*

Members: Shanna Schmitt, PG, CPG (or am I the chair again? I don't remember)

Regulation & Legislative Committee

Chair: Keith Rapp, PG, CPG

Members: Bruce Johnson, PG, CPG

Membership Committee

Chair: Paula Berger, PG

Members: Kelsi Ustipak & Shanna Schmitt, PG, CPG

Newsletter Committee

Chair: Shanna Schmitt, PG, CPG

Members: Tom Clark, PG, CPG & Carissa Prekker

Fundraising Committee

Chair: Curtis Hudak

Sponsorship Sub-Committee Chair: Paula Berger, PG

Fieldtrip Sub-Committee Chair: Bruce Johnson, PG, CPG

Social Sub-Committee Chairs: Kelsi Ustipak & Shanna Schmitt, PG, CPG

Members: Ryan Schaefer, Steph Theriault, PG; Ryan Mathieu, and Lauren Larkin

Education Committee

Chair: Bruce Johnson, PG, CPG

Student Grant Sub-Committee Chair: Bruce Johnson, PG, CPG

Student Resume Review Sub-Committee Chair: Shanna Schmitt, PG, CPG

UST Student Chapter Sponsor: Sara Nelson

UMN Student Chapter Sponsor: Shanna Schmitt, PG, CPG

Members: Keith Rapp, PG, CPG; Jake Dalbec, PG; Jim Simonet, PG, CPG; Damon Powers, PG, CPG; Dan Hunter, PG, CPG; Jane Willard, PG, CPG; Nathan Gruman, PG, CPG; and Paul Putzier, PG, CPG

Webmasters: Jake Dalbec, PG; Shanna Schmitt, PG, CPG

Appointments:

State Mapping Advisory Committee, AIPG Member: Jake Dalbec, PG

Other positions, not appointed by AIPG MN Section:

AELSLAGID Joint Practice Committee, AIPG Member: Bruce Johnson, PG, CPG

AELSLAGID Board Member, Geology, PG Member: Keith Rapp, PG, CPG

ASBOG Board: Keith Rapp, PG, CPG



Officer/Committee/Sub-Committee Annual Report

Name: Ryan Mathieu

Date: December 15, 2020

Position: President

2020 Accomplishments/Activities/Duties: Lead in person and virtual executive committee meetings and luncheons. Aided in significant progress on community initiatives by the chapter such as our curriculum recommendations initiative lead by Curt Hudak, and social justice initiatives.

Summary of Significant Expenses/Income: Minimal expenses in 2020 due to COVID-19 impact on operations, chapter did invest in virtual meeting tools to host executive committee meetings and luncheons.

Problems/Issues: COVID-19 had significant impact on plans for the year, affected ability to fundraise and connect with membership base. We did maintain typical offerings to members and continued positive community impacts despite challenges associated with the pandemic. Minimal issues with early adaptation to virtual format, however board members quickly addressed those issues and they had minimal impact on our mission.

Suggestions for Improvement: Ensure chair positions are filled in a timely manner. Due to my failure to fill a nominating committee in a timely manner this year, we cut it very close at the end of the year finding willing participants to volunteer for 2021. This was already more challenging than usual due to the pandemic and lack of in-person interaction with the membership base. Some members, Shanna Schmitt in particular, stepped up during this time to ensure positions were filled.

There also should be effort in the coming year to reduce the workload falling onto Shanna. I became busy at times of the year and inexcusably relied on her to pick up slack.



MINNESOTA SECTION

The American Institute of Professional Geologists

Officer/Committee Annual Report

Name: Daniel Hunter

Date: December 11, 2020

Position: President-Elect

2020 Accomplishments/Activities/Duties:

- October 17, 2020 – Attended the National AIPG Executive Committee Meeting virtual. It was good to learn more of how AIPG National works, the issues before the committee, and hearing about proposed changes.

Summary of Significant Expenses/Income:

None.

Problems/Issues:

- COVID-19 has changed the way the Section has operated this year. Starting virtual meeting in the fall, we are able to meet safely socially distanced.
- The issue of how do we diversify (include more people of color) the Geo Sciences has been raised and will be an issue going forward

Suggestions for Improvement:

- I do not have any suggestions at this time, but am willing to hear any suggestions anyone might have!



Officer/Committee/Sub-Committee Annual Report

Name: Alexandra Blel

Date: December 15, 2020

Position: Vice President

2020 Accomplishments/Activities/Duties: Assisted with the coordinate of monthly luncheon/technical talk speakers, forward the speaker biographies and abstracts for publication on the AIPG MN website and meeting announcements. Create monthly luncheon handouts that included speaker information, sponsor list, et. Introductions of speakers at luncheon meetings (when available).

How the Executive Committee handled the pandemic by conducting monthly Executive Committee meetings and pivoting the in-person meetings to an online platform (Teams) was an accomplishment.

Summary of Significant Expenses/Income: No expenses incurred by the Vice President in 2020, general expenses for meeting room rental and meals for luncheon attendees were managed through Jeff Neisse, Treasurer.

Problems/Issues: Balancing AIPG and work commitments.

Suggestions for Improvement: None.



Officer/Committee/Sub-Committee Annual Report

Name: Christina Morrison

Date: December 15, 2020

Position: Secretary

2020 Accomplishments/Activities/Duties:

- Maintained records of Executive Committee Meetings and the decisions of the Minnesota Section.
- In 2020, we increased our quarterly Executive Committee Meetings to a monthly schedule in a virtual environment to maintain and adapt Minnesota Section programs to the evolving COVID-19 pandemic.
 - Meetings shifted to a virtual environment in March 2020.
- Participated in monthly in-person lectures through a virtual meeting platform on MS Teams.
- Participated in open discussions on anti-racism efforts.
- Assisted in the development of a letter to promote geoscience education.
- Assisted in the development of a letter to announce the cancellation of the Golf Tournament and seek continued contributions to the scholarship fund.

Summary of Significant Expenses/Income:

- No expenses incurred by the Secretary in 2020.

Problems/Issues:

- We might want to consider how can we promote networking engagement and invite new member participation if the virtual meeting environment stays with us into the future.

Suggestions for Improvement:

- Continue to work toward engaging with the broader geoscience community and make our programming more accessible. Seize some of the opportunities the virtual meeting platform offers.



Officer/Committee/Sub-Committee Annual Report

Name: Jeff Neisse

Date: December 15, 2020

Position: Treasurer

2020 Accomplishments/Activities/Duties:

Significant Events for 2020 include a successful Spring Social as well as the annual scholarships. The Golf Outing was cancelled Due to COVID. We again sponsored a U of M class to help students who are not seeking a master's degree to be better prepared for the professional world with HAZWOPER training. We continued the Student Grant for the MN Section in 2020, which was awarded to Natalie Hummel. Though in-person events were suspended, the Chapter successfully transitioned to virtual monthly talks.

Summary of Significant Expenses/Income:

With the suspended meeting schedule the Chapter did not have its usual large expense of the Meeting Venue. Also, due to COVID the annual Golf Fundraiser was also cancelled. The chapter did receive Dues from National. Generally, monthly expenditures include the fees associated with PayPal and the Website administrator (Star Chapter). With the \$5-10 fees per person for monthly virtual talks, they are pretty close to break even.

Problems/Issues:

With the absence of the ability to meet in person and not having the annual fundraiser resulted in a reduction of funds coming into the Chapter. That said, expenses have been relatively low as well.

Suggestions for Improvement:

Handing off Treasurer responsibilities will take some coordination, however, can be done seamlessly. Communication will be key.

Creative avenues for fundraising and sponsorship, again will be key in 2021.

AIPG MN Section - 2020 Yearly Finances

2020 Summary by Jeff Neisse

Check #	Date	Transaction Description	Payment	Deposit	Verified with Bank Statement	Balance	Comment
						\$4,475.38	Balance from 12/31/2019;
	1/9/2020	Deposit		622.00		\$5,097.38	
	1/24/2020	Deposit		250.00		\$5,347.38	
	1/21/2020	PayPal Transfer Deposit		1,842.50		\$7,189.88	
	1/3/2020	PayPal Fee	(30.00)			\$7,159.88	
	1/16/2020	StarChapter Fee	(100.00)			\$7,059.88	
	1/17/2020	Radisson Invoice	(1,443.13)			\$5,616.75	
	1/15/2020	Service Charge USBank	(2.00)			\$5,614.75	
351	1/9/2020	Check to Shanna Schmidt	(353.12)		Check 351	\$5,261.63	Reimbursement for 2019 annual lunch
	2/4/2020	PayPal Fee	(30.00)			\$5,231.63	
	2/14/2020	Visa Charge	(110.50)			\$5,121.13	TPG Student Issues
	2/18/2020	StarChapter Fee	(100.00)			\$5,021.13	
	2/19/2020	DoubleTree Invoice	(994.73)			\$4,026.40	
	3/2/2020	PayPal Deposit		4,500.00		\$8,526.40	
	3/25/2020	PayPal Deposit		300.00		\$8,826.40	
	3/3/2020	PayPal Fee	(30.00)			\$8,796.40	
	3/16/2020	StarChapter Fee	(100.00)			\$8,696.40	
	3/23/2020	DoubleTree Invoice	(1,967.55)			\$6,728.85	
352	3/13/2020	U of MN Scholarship	(1,000.00)		Check 352	\$5,728.85	Check 0352
	4/6/2020	PayPal Fee	(30.00)			\$5,698.85	
	4/16/2020	StarChapter Fee	(100.00)			\$5,598.85	
353	4/17/2020	Education Scholarship	(1,000.00)		Check 353	\$4,598.85	Natalie Hummel
	5/5/2020	PayPal Fee	(30.00)			\$4,568.85	
	5/18/2020	StarChapter Fee	(100.00)			\$4,468.85	
	5/28/2020	AIPG National Dues		4,010.00		\$8,478.85	
	6/3/2020	PayPal Fee	(30.00)			\$8,448.85	
	6/16/2020	StarChapter Fee	(100.00)			\$8,348.85	
	7/3/2020	PayPal Fee	(30.00)			\$8,318.85	
	7/16/2020	StarChapter Fee	(100.00)			\$8,218.85	
	8/4/2020	PayPal Fee	(30.00)			\$8,188.85	
	8/17/2020	StarChapter Fee	(100.00)			\$8,088.85	
	8/26/2020	Deposit		214.00		\$8,302.85	
354	9/1/2020		(126.66)		Check 0354	\$8,176.19	shanna spring social reimbursement
	9/3/2020	PayPal Fee	(30.00)			\$8,146.19	
	9/16/2020	StarChapter Fee	(124.95)			\$8,021.24	
	9/23/2020	PP Deposit		600.00		\$8,621.24	
	10/5/2020	PayPal Fee	(30.00)			\$8,591.24	
	10/16/2020	StarChapter Fee	(100.00)			\$8,491.24	
	10/27/2020	PayPal Deposit		264.63		\$8,755.87	
	11/3/2020	PayPal Fee	(30.00)			\$8,725.87	
	11/16/2020	StarChapter Fee	(100.00)			\$8,625.87	
	12/3/2020	PayPal Deposit		150.00		\$8,775.87	
	12/3/2020	PayPal Fee	(30.00)			\$8,745.87	
355	12/7/2020	Check to Shanna Schmitt	(67.60)		Check 0355	\$8,678.27	Reimburse for MS Teams program monthly payments August to Dec.
						\$8,678.27	
Totals			(\$8,550.24)	\$12,753.13			



MINNESOTA SECTION

The American Institute of Professional Geologists

Officer/Committee Annual Report

Name: Fundraising Annual Report

Date: December 15, 2020

Position: Fundraiser Chair, Curtis Hudak, CPG, PG (MN)

2020 Accomplishments/Activities/Duties: The AIPG Minnesota Section attempted to hold its annual Golf & Auction Fundraiser in August 2020, however, our ExComm decided in late Spring 2020 to postpone this year's event because of the COVID-19 pandemic that was afflicting both our local and national populations. We attempted to get one or more local golf courses, including Prestwick Golf Course, to offer us gift certificates at a slightly discounted rate that we might sell above the cost to our AIPG-MN Section as a substitute source of fundraising revenue. We learned that golf courses did not need to discount their rates this year because golf was one of the few organized outdoor activities that was being allowed by the State of Minnesota during the pandemic, and is evidenced by the record breaking number of rounds played across Minnesota during 2020.

Problems/Issues:

See paragraph above. Normally we have been seeing net income of just short of \$100/golfer in past events. This income did not occur in 2020. Next year's Golf & Auction Fundraiser may also be postponed if the population of Minnesota is not adequately immunized by the start of the third quarter (September). Current estimates from the Department of Health indicate that the State population (and especially the population from which are golfers come) will not likely be fully immunized by September 2021 because of limited inoculation supplies.

Suggestions for Improvement:

Our team will approach the golf courses again during the 2020-2021 winter to see if they are willing to sell us discounted greens fee gift cards that we might sell online or at other possible in-person events during 2021. Some golf courses may be willing to negotiate betting that their upcoming 2021 rounds will be significantly lower with the work force returning to their offices.

The Eagle Card has been a large part of past golf fundraiser successes. More door prizes are a necessity to keep us selling the Eagle Cards for what we hope to be a profitable 2021 Golf & Auction Fundraiser. If golf appears to be postponed again this coming year, then we may wish to do an online raffle or online auction in lieu of the Eagle Cards. We would again rely upon the generosity of our membership and their network connections.

Summary:

We have been attempting to achieve a net income (profit) of approximately \$100/golfer since we reinitiated the golf fundraiser in 2014. Our net income on a per golfer basis was \$97.96/golfer last year (2019) and bested our record in the modern era of \$94.67 achieved in 2018. The year 2015 had the next closest income/golfer ratio at \$93.59/golfer. The other years were well below \$80/golfer. The Eagle Card has been a great success since we are pushing them harder than ever at a slightly increased rate. More door prizes are a necessity to keep us selling the Eagle Cards. If golf is postponed again this coming year, then we may do an online raffle or online auction in lieu of the Eagle Cards. We need to continue to keep attracting more and better auction items, and sooner in the year so that we may better advertise them well before either the golf or online event. Early advertising may be helping us to increase our numbers of golfers or online bidding, which in turn might help to garner more and higher bids.



Officer/Committee Annual Report

Name: Paula Berger

Date: December 16, 2020

Position: Membership Committee Chair

2020 Accomplishments/Activities/Duties:

- Continued sponsorship program with annual sponsorships.
- Solicited 8 corporate sponsors for the 2020 calendar year (down from 10 in 2019 and 9 in 2018).

Summary of Significant Expenses/Income

- No expenses.
- Income of \$250/sponsor. Potential changes to sponsorship for 2020 discussed below.

Problems/Issues:

- Corporate sponsorship was slightly down from past years due to company consolidation and one-time sponsors in 2018 and 2017
- Follow-ups to past sponsors and other sponsor solicitations were truncated by COVID suspension of in-person meetings. No Spring Social or golf tournament in 2020 to offer sponsor opportunities.
- Sponsorship solicitations will need to take a new focus due to likely continued on-line meetings in 2021 (i.e. for education/outreach purposes as opposed to meeting cost offset).
- First year of committee as “membership” rather than “sponsorship”. Should expand focus in 2021 to include greater membership initiative.

Suggestions for Improvement:

- Reduce 2021 sponsorship from \$250 to \$150 in 2021 due to virtual meetings. Prepare a sponsorship letter explaining the change and what the sponsorship funding will be used for in 2021. Target letter to go out January 4.
- Ensure sponsors are on e-mail notices of meetings and agenda pdfs.
- Confirm section memberships from corporate. Can we program meeting registration to recognize members (and do we want to do that?)?
- Strategize how to increase membership.



MINNESOTA SECTION

The American Institute of Professional Geologists

Officer/Committee/Sub-Committee Annual Report

Name: Bruce Johnson

Date: December 15, 2020

Position: Education Chair

2020 Accomplishments/Activities/Duties: We received three complete applications for the 2020 AIPG MN Student Grant for students at Macalester College, University of Minnesota Duluth (UMD) and Winona State University. The applications were reviewed by six AIPG MN members with the results yielding Ms. Heidi Krauss from UMD the 2020 AIPG MN Student Grant recipient.

Summary of Significant Expenses/Income: Propose awarding Ms. Krauss with the \$1,000 Student Grant. If approved Ms. Krauss will be contacted and the award announced at the January Section meeting. Ms. Krauss will be asked to be a speaker at a spring meeting of her convenience.

Problems/Issues: We only received three applications again this year from the ten-school solicited.

Suggestions for Improvement: Try to get the applications out earlier in 2021 and try to follow up with the schools.



MINNESOTA SECTION

The American Institute of Professional Geologists

Officer/Committee/Sub-Committee Annual Report

Name: Keith B. Rapp

Date: December 15, 2020

Position: Regulation & Legislative Committee

2020 Accomplishments/Activities/Duties:

The Regulation & Legislative Committee had minimal activity in 2020, with a general discussion with ranking member Bruce Johnson regarding the 2020 Minnesota Board of Architecture, Engineering, Land Surveying, Landscape Architecture, Geoscience and Interior Design (AELSLAGID) Rule Package R-4579 which became effective March 16, 2020.

Summary of Significant Expenses/Income:

There were no expenses or income associated with the Regulation & Legislative Committee in 2020.

Problems/Issues:

There were no substantive issues or problems encountered in 2020, sans COVID-19-related rescheduling, delays, and cancellations. There are anticipated to be both Rules and Statute packages expected to be forwarded by the Board in 2021 which affect Professional Geologists.

Suggestions for Improvement:

None at this time.



Officer/Committee/Sub-Committee Annual Report

Name: Keith B. Rapp

Date: December 15, 2020

Position: AELSLAGID Board Member & ASBOG Board Member

2020 Accomplishments/Activities/Duties:

This is an advisory report to the Minnesota Section of AIPG by the Minnesota Board representative of Architecture, Engineering, Land Surveying, Landscape Architecture, Geoscience and Interior Design (AELSLAGID), and the National Association of State Boards of Geology (ASBOG).

There were two (2) rules packages that recently took effect, one at the end of 2019 (Rules of Professional Conduct, R-04449) and Rule Package R-4579, which governs definitions related to engineering examination and experience, land surveying education and experience, and geoscience education and experience. These rules became effective March 16, 2020. This second rules package redefined the requirements for geology education (content driven versus degree driven) and experience (reducing number of years working under PG) to qualify for ASBOG examinations. Rules of Professional Conduct (R-04449) had not been modified since they were originally adopted in the mid-1980s other than adding various professions as they were added to the Board's jurisdiction.

As required by MN Statutes 214.07 Subd. 1, the Board submits a biennial report to the Governor. The Professional Geologist excerpt from the most recent report is attached to this report. A complete copy of this report, covering all disciplines regulated by the Board can be viewed and downloaded at the following URL - <https://mn.gov/aelslagid/policies.html>

PGs should review the Professional Development Hour (PDH) 2018-2020 CE Carryover List, available at - <https://mn.gov/aelslagid/docs/Carryover2018.pdf> . If your name does not appear on this carryover list, you do not have any PDH carryover from the prior period to the next license cycle, starting July 1, 2022.

The 2020 ASBOG national meeting was held virtual this year, having been scheduled for late-October to early-November in Madison, Wisconsin. The primary issues addressed in this meeting related to ASBOG moving to computer based testing (CBT) by the October 2021 testing date, and potentially discontinuing including ethics-related questions for FG and PG examinations. The 2021 ASBOG meeting is scheduled for October 25-30, 2021 in Little Rock, Arkansas.

Summary of Significant Expenses/Income:

There are no expenses or income associated with this advisory position to the Minnesota Section of AIPG.

Problems/Issues:

There were no substantive issues or problems encountered in 2020, sans COVID-19-related rescheduling, delays, and cancellations.

Suggestions for Improvement:

There are anticipated to be both Rules and Statute packages expected to be forwarded by the AELSLAGID Board in 2021 which would affect Professional Geologists.

PROFESSIONAL GEOLOGY

Fundamentals of Geology Examination

The Fundamentals of Geology (FG) examination is the first exam on the path to licensure as a professional geologist. The examination is a paper-and-pencil examination given two times per year, once in March and once in October. Due to the COVID-19 pandemic, the March 2020 administration of the exam was canceled.*

Applicants are pre-approved by the Board for the examination which is administered by Board staff trained to proctor examinations. Once the applicant has passed the exam and submitted a final transcript, the Board issues a Geologist-In-Training (GIT) number. This credential does not expire and there is no fee to the applicant for the credential.

REQUIREMENTS FOR ADMISSION

- Bachelor's degree or higher with a minimum of 30 semester credits divided among at least five geology areas of study as identified in Minnesota Rule 1800.3910; or
- Bachelor's degree or higher with 20 semester credits as described above.

APPLICATION STATISTICS

- Applications received: 121
- Applications approved: 120
- Applications not approved: 1

FG EXAM APPLICATIONS*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	14	14	2			30	25%
MN Male	40	24	9			73	60%
nonMN Female	1	3				4	3%
nonMN Male	4	7	3			14	12%
Totals	59	48	14	---	---	121	
As %	49%	40%	11%	---	---		

*See appendix for additional statistics.

EXAMINATION DATES

- October 2018
- March 2019
- October 2019
- March 2020 (canceled)

EXAMINATION RESULTS

- Applicants with passing score: 49
- Applicants with failing score: 21
- No show: 4
- No registration: 1
- Canceled*: 44

FG EXAM STATISTICS**							
Residence / Result	Age					Female	Male
	18-25	26-34	35-49	50-65	66+		
MN - Pass	23	11	4			12	26
MN - Fail	10	4	4			2	16
nonMN - Pass	3	7	1			2	9
nonMN - Fail	1	1	1			1	2
Totals	37	23	10	---	---	17	53
As %	53%	33%	14%	---	---	24%	76%

**Statistics for each individual exam administration are not included in this report because the applicant pool for each examination is so small it is conceivable that the general public could deduce which applicants passed the examination and which failed, thus potentially violating the Minnesota Data Practices Act.

Practice of Geology Examination



The Practice of Geology (PG) examination is the second exam on the path to licensure as a professional geologist. The examination is a paper-and-pencil examination given two times per year, once in March and once in October. Due to the COVID-19 pandemic, the March 2020 administration of the exam was canceled.***

Applicants are pre-approved by the Board for the examination which is administered by Board staff trained to proctor examinations. Licenses are issued to exam applicants who pass the exam and pay the license fee.

REQUIREMENTS FOR ADMISSION

- Bachelor’s degree or higher with a minimum of 30 semester credits divided among at least five geology areas of study as identified in Minnesota Rule 1800.3910;
- Passing score on the Fundamentals of Geology exam; and
- Completion of four to five years of qualifying professional experience (depending on education) under the direct supervision of a licensed professional geologist.

APPLICATION STATISTICS

- Applications received: 42
- Applications approved: 35
- Applications not approved: 7
- Minnesota applicants: 30
- non-Minnesota applicants: 5

EXAMINATION RESULTS

- Applicants with passing score: 26
- Applicants with failing score: 2
- Canceled***: 7

PG EXAM STATISTICS**							
Residence / Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN - Pass		15	7			22	79%
MN - Fail		2				2	7%
nonMN - Pass		2		1	1	4	14%
nonMN - Fail						---	---
Totals	---	19	7	1	1	28	
As %	---	68%	25%	<4%	<4%		

**Statistics for each individual exam administration are not included in this report because the applicant pool for each examination is so small it is conceivable that the general public could deduce which applicants passed the examination and which failed, thus potentially violating the Minnesota Data Practices Act.

PROFESSIONAL GEOLOGY

Professional Geology Licensure by Comity

REQUIREMENTS FOR LICENSURE

- Current licensure in another jurisdiction; and
- Completion of the education, examination and experience requirements in place at the time of the applicant's original licensure in their base state.

APPLICATION STATISTICS

- Applications received: 7
- Applications approved: 6
- Applications not approved: 1
- Minnesota applicants: 2
- non-Minnesota applicants: 5

All applicants were male.

PG COMITY APPLICATION STATISTICS							
Residence / Result	Age					Approved	Not Approved
	18-25	26-34	35-49	50-65	66+		
MN		1	1			2	
nonMN		1	2	1	1	4	1
Totals	---	2	3	1	1	6	1
As %	---	29%	43%	14%	14%	86%	14%

LICENSES ISSUED BY EXAMINATION ("INITIAL LICENSURE") AND COMITY

PG LICENSES ISSUED									
State of Residence	Age Category					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity
MN		4	3			7		7	
		12	7				19	16	3
nonMN		2	2	2	1	1	6	4	3
Totals	---	18	12	2	1	8	25	27	6
As %	---	55%	36%	6%	3%	24%	76%	82%	18%

PROFESSIONAL SOIL SCIENCE

Fundamentals of Soil Science Examination

The Fundamentals of Soil Science (FSS) examination is the first exam on the path to licensure as a professional soil scientist. This paper-and-pencil examination is offered in April and November.* Applicants are pre-approved by the Board for the examination, which is administered by Board staff trained as proctors. Once the applicant has passed the exam and submitted a final transcript, the Board issues a Soil Scientist-In-Training (SSIT) number. This credential does not expire and there is no fee for it.

REQUIREMENTS FOR ADMISSION

- Bachelor's degree or higher with a minimum of 16 semester credits in soil science and 14 semester credits in closely related geoscience courses (see Minnesota Rules 1800.3910); or
- Bachelor's degree with 12 semester credits in soil science and 10 in closely related geoscience courses (see Minnesota Rules 1800.3910).

APPLICATION STATISTICS**

- Applications received: 9
- Applications approved: 9
- Applications not approved: 0

Three SSIT credentials were issued. All recipients were female Minnesota residents, aged 18-25.

EXAMINATION DATES

- November 2018
- November 2019
- April 2019
- April 2020 (canceled)

EXAMINATION RESULTS

- Applicants with passing score: 2
- Applicants with failing score: 2
- Canceled: 5

APPENDIX - PROFESSIONAL GEOLOGY

Fundamental of Geology Examination

Professional Geology Licensure

FG Exam Applications - 2018-2020 Biennium										
State of Residence	Age Category					Gender		Status		
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved	
CO		1					1	1		
IA		2				2		2		
	2						2	2		
MN	14	14	2			30		30		
	40	24	9				73	72	1	
ND	1	3	1				5	5		
SD	1	1					2	2		
WA			1				1	1		
WI	1	1				2		2		
		2	1				3	3		
Totals	59	48	14	---	---	34	87	120	1	
As %	49%	40%	12%	---	---	28%	72%	100%	<1%	

PG Licenses Issued - 2018-2020 Biennium										
State of Residence	Age Category					Gender		Method		
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE	
AZ					1		1	1		
CO		1					1	1		
IL				1			1	1		
MI		1				1		1		
MN		4	3			7		7		
		12	7				19	16	3	
OR				1			1			1
TX			1				1			1
WI			1				1			1
Totals	--	18	12	2	1	8	25	27	6	
As %	---	55%	36%	6%	3%	24%	76%	82%	18%	

Geologist-In-Training

GIT Certificates Issued - 2018-2020 Biennium									
State of Residence	Age Category					Gender		State Total	
	18-25	26-34	35-49	50-65	66+	Female	Male		
CO		1					1	1	
IA		1				1		2	
	1						1		
MN	8	2	2			12		28	
	8	7	1				16		
WA			1				1	1	
WI	1	1					2	2	
Total	18	12	4	---	---	13	21	34	
As %	53%	35%	12%	---	---	38%	62%		



Officer/Committee/Sub-Committee Annual Report

Name: Shanna Schmitt

Date: December 14, 2020

Position: Webmaster

2020 Accomplishments/Activities/Duties:

- Approve job postings – 22
- Draft/send Announcements – 21
- Website updates
 - Updated Education page
 - Racial Justice & Geology Resources
 - Safety Training/Hazwoper Scholarship
 - Education Fund – Giving Back
 - Scholarships & Grants
 - Recommended Courses
 - Geoscience Online Learning Initiative (Chris Braaten’s GOLI talk had over 1,000 listeners)
 - Student Learning & Networking Opportunities
 - Student Resume Review
 - Speaker Request
 - K-12 Geoscience Resources
 - Updated About page
 - About Us
 - Anti-Racism Statement
 - Section Officers
 - Announcements
 - Newsletter (no new content)
 - Executive Committee Meeting Minutes
 - Professional Licensure in MN
 - Professional Certification
- Website Stats
 - 72 individual emails sent
 - 68 scheduled emails sent
 - 78 events added to website

Summary of Significant Expenses/Income:

We pay \$100/month for StarChapter

We pay \$30/month for the PayPal gateway plus fees per transaction

StarChapter now offers a payment gateway too.

	Monthly fee	Transaction rate	Transaction fee
StarChapter #1	\$4.95	2.95%	\$0.25
StarChapter #2	\$14.95	2.80%	\$0.25
StarChapter #3	\$24.95	2.65%	\$0.25



MINNESOTA SECTION

The American Institute of Professional Geologists

PayPal (current)	\$30.00	2.90%	\$0.30
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With a “normal” year of \$18,756 in sales in 395 transactions

	Monthly Fee	Transaction rate	Transaction fees	Total Fees
StarChapter #1	59.40	553.30	98.75	717.65
StarChapter #2	179.40	525.17	98.75	803.32
StarChapter #3	299.40	497.03	98.75	895.18
PayPal (current)	360.00	543.92	118.50	1022.42

With an “online” year of \$7,412.00 in sales in 230 transactions

	Monthly Fee	Transaction rate	Transaction fees	Total Fees
StarChapter #1	59.40	218.65	57.50	335.55
StarChapter #2	179.40	207.54	57.50	444.44
StarChapter #3	299.40	196.42	57.50	553.32
PayPal (current)	360.00	211.20	69.00	640.20

I’m recommending we switch to StarChapter Pay to save a bit of money.

I have confirmed with the Double Tree (formerly Radisson) that we are cancelling the remainder of our dates for the 2020-2021 season with them.

- In 2019, our ending bank balance was \$4,575.38 (website mini-redesign)
- In 2020, our ending bank balance is \$8,678.27 (no annual meeting expense for the President-Elect).

We still lose some money on the in-person meetings – we’ve been hesitant to increase our rates, even though food has increased in price, because we struggle to get people to attend.

- Look into less expensive venues for 2021-2022
- Consider quarterly social events in person with monthly technical talks
- Increase our online technical talk fees for 2021-2022
- Look into CEU certification for our technical talks through AIPG National (Education Committee)

Problems/Issues:

We need a Newsletter Editor. I’m clearly not getting the job done. The formatting can all be done in StarChapter now. I have an end-of-year draft almost done.

Suggestions for Improvement:

- Find more volunteers
- Get out-state Minnesota engagement with our online platform
- Get more national registrants
- Offer a BIPOC grant

StarChapter also recommends several things to drive membership, engagement, and sponsorship:

1. Use videos
 - a. Semi-scripted/more natural
 - b. Sponsor stories
 - c. In the moment (when we can do it in person)
2. Have tiered sponsorships (we can build forms for this) & create a Renewal Catalog for our returning sponsors, so they don’t have to enter the same info each year.



MINNESOTA SECTION

The American Institute of Professional Geologists

3. Create conferences for non-dues revenue building
 - a. ECP focus?
 - b. Topic focused?
4. Create an annual summary report for members/sponsors
5. Ask sponsors to provide content, like articles for newsletter or just on website.
 - a. They can write content in their area of expertise
6. Show sponsorship value
 - a. Free meeting registrations
 - b. Classified job listings
 - c. Logo or QR code on name badges
 - d. Ad space on website
 - e. Mention in newsletter or meeting announcements
7. Swag
 - a. Association labeled items
 - b. Sell raffle tickets
 - c. Sell books



Officer/Committee/Sub-Committee Annual Report

Name: Jake Dalbec

Date: December 16, 2020

Position: Executive Committee Person 2, Assistant Webmaster, State Mapping Advisory Committee (AIPG Rep.)

2020 Accomplishments/Activities/Duties:

- Actively participated in the MN Section of AIPG Executive Committee meetings and technical talks this past year.
- Assisted with Webmaster duties as requested by Shanna Schmitt (Webmaster) and as necessary.
- Represented the MN Section of AIPG in the annual State Mapping Advisory Committee (SMAC) meeting on October 13, 2020. Please see attached letter summarizing SMAC's meeting and recommendations put forth by the group.

Summary of Significant Expenses/Income: None

Problems/Issues: All things considered, I thought the MN Section of AIPG, the Executive Committee, and the Section's Members navigated the exceptional year of 2020 quite well. It's a reoccurring theme in any volunteer organization: a lot of effort is put forth by a select few individuals to keep the organization running and improvement can always be strived for in this regard.

Suggestions for Improvement: We should work together to spread the workload more evenly amongst the Executive Committee members and Section members early in the year so roles and responsibilities are better distributed throughout the year. I think pushing to assign roles and share tasks early in the year will also help with recruitment efforts.

October 23, 2020

STATEMAP Proposal Evaluation Panel

Dear Panel Members,

The Minnesota Geological Survey (MGS) State Mapping Advisory Committee (SMAC) convened on October 13, 2020 to review MGS mapping programs and the State Mapping Plan, and to consider mapping projects for the 2021 season as well as to review ideas for supplemental project funding.

All SMAC members were in attendance. Names and affiliations of committee members are included in a table on the last page of this letter. Also in attendance were Paul Putzier from the Minnesota Department of Natural Resources - Division of Ecological and Water Resources and Harvey Thorleifson, Tony Runkel and Barbara Lusardi from the Minnesota Geological Survey.

The meeting began with Barbara Lusardi providing a review of all MGS mapping programs and funding sources to evaluate efficiency, compatibility, and leveraging of resources with the STATEMAP Program. Each funding source, including STATEMAP, has its own unique guidelines and spending restrictions that are considered in the State Mapping Plan. MGS seeks to identify and employ the most appropriate funding source to address geologic mapping needs and to coordinate resources to increase the impact and value of each mapping effort.

The next agenda item was a review of STATEMAP goals, requirements, limitations, and mapping progress in Minnesota. The committee discussed priority areas for future mapping based on the MGS mapping plan and the objectives of the National Geologic Mapping Act.

The SMAC reviewed the current State Mapping Plan (included in the MGS proposal) and found it reflected an appropriate balance of comments from the Panel, the directives of the State Legislature, and the implications of State efforts to sustainably manage groundwater and other geologic resources. The demand for statewide comprehensive geologic mapping and associated databases makes all unmapped areas a priority. The influence of local government participation, water, mineral, and hazard management issues, and scientific opportunity are important factors in the State Mapping Plan. We, and the plan, favor areas where there is local commitment to apply geologic mapping to address scientific or societal challenges.

The SMAC found these guiding principles and the State Mapping Plan to be effective and well-designed for advancing geologic science and mapping programs, including STATEMAP in Minnesota.

The committee then reviewed a slate of projects proposed by MGS staff. Each proposal was reviewed with a focus on congruence with the State Mapping Plan, costs, scientific and societal

value, as well as the skills, experience, and past mapping products of the geologists involved. The Minnesota Legislature supports geologic mapping, and this proposal reflects that commitment and an expectation that federal cost-sharing is appropriate to leverage the state's investment.

The SMAC reviewed four county-scale projects. The committee recognized that personnel availability and other funding opportunities may change in the eight months before these projects are initiated and has given MGS management full authority to choose how to respond to any reduced award. The projects we chose fit the mission and goals of the STATEMAP Program and of the Minnesota Geological Survey and its SMAC. The recommended projects are:

1. Cook County, Northeast Minnesota

Bedrock Geologic Map of the northern portion (1:48,000 scale):

STATEMAP and the Environment and Natural Resource Trust Fund supported geologic mapping in Lake and St. Louis counties for the past six years. Interim products of this work are in high demand. Mapping in Cook County will complete our county-wide mapping in the arrowhead region along the North shore of Lake Superior. Because of the complex bedrock geology and the extent of outcrop in rugged terrain, only portions of the northern part (equivalent to about 4 quadrangles) of the county will be mapped this year (at a printed scale of 1:48,000). This map will allow us to refine regional interpretations by acquiring new outcrop and drill-hole data, fully attributing tens of thousands of outcrop polygons, conducting petrographic analyses to improve map unit definitions, and adding new and archived structural data. The proximity of existing and proposed new mining operations to wilderness areas requires a thorough understanding of the bedrock as part of ground and surface water systems. This work is essential in order to characterize the geology and evaluate potential environmental issues.

2. Surficial Geologic Maps of Douglas and Grant Counties, Northwest Minnesota (1:100,000):

The purpose of this project is to provide detailed geologic maps that can be used by planners and resource managers as a decision-making tool when assessing the location, protection, and prudent use of geologic resources; including groundwater and aggregate materials. New data gathered for this project will improve the understanding of the geological connection between surface water and groundwater resources in the counties. Surficial mapping will also be utilized by the Minnesota Departments of Health and Natural Resources as an essential component of assessing groundwater sensitivity to contamination.

3. Bedrock and Surficial Geologic Maps of Faribault County, Southern Minnesota (1:100,000):

This project will provide detailed geologic maps that will inform planning and management decisions with regard to the protection and efficient utilization of resources; including groundwater extraction for irrigation and drinking water, crushed rock and glacial aggregate materials, and potential metallic resources. The maps will be an

important element of comprehensive geologic mapping and associated databases assembled as a County Geologic Atlas.

4. Surficial Geologic Map of Polk and Red Lake Counties, Northwest Minnesota (1:100,000):

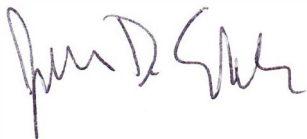
This project will provide detailed geologic maps that can be used by planners and resource managers as a decision-making tool when assessing the location, protection, and prudent use of geologic resources; including groundwater and aggregate materials. New data gathered for this project will improve the understanding of the geologic connection between groundwater and surface water resources in the counties, which will help guide drinking water and recreational water resource management. Surficial mapping will also be utilized by the Minnesota Departments of Health and Natural Resources as an essential component of assessing groundwater sensitivity to contamination.

Costs for these projects will be matched by State grants to the Minnesota Geological Survey from the Environment and Natural Resource Trust Fund. These projects will support water and mineral resource management, local management of water supplies and infrastructure, source water protection, and are well aligned with ongoing scientific research projects being conducted at public and private universities and colleges, federal and state regulatory agencies, and regional planning organizations.

Collectively, these projects cover a diverse set of geologic conditions throughout Minnesota; balancing a variety of scientific issues and constituency needs that are strongly supported by geologic mapping. This proposal supports the MGS mission and goals, the goals of STATEMAP, and the guiding factors of the Minnesota State Mapping Plan.

The SMAC appreciates the opportunity to propose geologic mapping areas and to review staff proposals for the STATEMAP program. We greatly value the mapping and data products produced by MGS and the thoughtful process by which projects are prioritized.

Sincerely,

A handwritten signature in black ink, appearing to read "John Clark". The signature is fluid and cursive, with the first name "John" being more prominent than the last name "Clark".

John Clark, SMAC Chair

Name	Affiliation	Expertise	Attended?	Voting Member
Ole Olmanson	Shakopee Mdewakanton Sioux Community	geology, natural resource management	Yes	Yes
John Clark	Minnesota Ground Water Association, Metropolitan Council	geology, biogeochemistry, and water supply planning	Yes	Yes
Heather Arends	Minnesota DNR Lands and Minerals	geology, mineral resources, policy	Yes	Yes
Joshua Feinberg	Department of Earth and Environmental Sciences, University of Minnesota	mineralogy, geophysics, field and environmental geology	Yes	Yes
Jane de Lambert	MN Department of Health, Environmental Health Division	groundwater and water wells	Yes	Yes
Louis Rudnicki	Society for Mining, Metallurgy, and Exploration	aggregate mining and engineering	Yes	Yes
Jake Dalbec	MN Section of American Institute of Professional Geologists	geology and environmental consulting	Yes	Yes
John Walker	USGS Upper Midwest Water Science Center	hydrology, geochemistry, modeling	Yes	Yes