

## Earth and Environmental Sciences Board (EESB)

Meeting Minutes: April 11, 2019, Trowbridge Hall and Zoom Videoconference

### Decisions

1. Bylaws amended that a quorum will be 6 EESB members. Only EESB members are counted in voting (not faculty or guests). Grant motioned and Steve seconded. Bylaws finalized.
2. Fundraising Committee members confirmed: Leon Aden, Richard Denne, Liz Maas, Amy Sullivan.

### Action Items for the Board

1. Burkart will circulate draft minutes to the board by May 11
2. Burkart will submit approved By-Laws to Brad Cramer and Matt Wortel (EESD website manager) for circulation among faculty and posting on EESB section of Department web site.
3. Burkart and Dick Baker will meet to discuss proposed change to By Laws dealing with voting status of alumni who are not members.
4. Sullivan and Wortel will post the Distinguished Alumni Award (DAA) process and winners on the website
5. Sullivan and Foster will meet to discuss details of the 2019 award and schedule for Eiler's visit.
6. Shutter to provide description of award nomination and selection process to Burkart for inclusion in minutes and posting on EESB web site.
7. Sullivan to provide a contribution from EESB to upcoming newsletter.
8. Sullivan will draft plan and schedule for DAA, John Eiler's visit to Iowa City in October.
9. Shutter and Cramer will develop a Student Committee for Alumni Day (Oct. 18, 2019)
10. Board to confirm availability for October 18, 2019 meeting (All EESB)
11. Sullivan, Cramer, Foster, and Peate to develop Oct. 2019 meeting agenda covering Wed. – Sun. a.m. and include CLAS Fellows events.
12. Sullivan and Cramer will provide EESB dates for EESD Departmental Calendar for posting by Wortel on website. The link to the website is:  
<https://clas.uiowa.edu/ees/alumni-and-friends/ees-alumni-board>
13. Sullivan and Cramer will determine an interim meeting date for Fundraising Committee meeting.
14. Aden will prepare a proposal supporting the educational license proposal and Ririe will provide a list of free environmental science software (API or EPA).
15. Cramer will post EESD brochure at the website.
16. Mentoring Committee to meet immediately following this meeting.

### Mentoring Committee Action Items

Attendees: Adam Blind, Mike Burkart, Brad Cramer, Todd Ririe (Chair), Grant Smith, Amy Sullivan, Jennifer Wade

1. Prepare Mentoring Committee web page with members and purpose (Todd with Amy to post)
2. Prepare mentor and mentee templates to facilitate appropriate matches (Todd)
3. Finalize Mentoring Committee Guidelines (Todd)
4. Build Mentor List (Todd)
5. Career Course content upgrade: include certifications, safety and ethics. Work with Ben Swanson (Sp. 2018) and Andrew Forbes (Fall 2019 Biology Department)
6. Beta test during Fall 2019 Career Course

### EESB Meeting

The Chair (Amy Sullivan) called the meeting to order at 10:00 AM

Members present in the room: Leon Aden, Mike Burkart, Steve Schutter, Grant Smith and Jennifer Wade.

Members participating via Zoom teleconferencing: Richard Denne, Liz Maas, Todd Ririe, and Amy Sullivan.

Nonmembers participating were Dick Baker (prof. Emeritus), Adam Blind (Center for Advancement liaison), Brad Cramer (Faculty liaison), Tom Foster (EESD Chair), and David Peate (EESD Chair-elect).

The meeting Agenda is appended.

### **By Laws Discussion**

Burkart stated that a question of the number of board members had been raised and would be more easily discussed in a meeting rather than e-mails. Smith raised the question of obtaining a quorum if the number of members were too large. Discussion included whether to change the number of members or the number required for a quorum. Baker raised the possibility of nonmember alumni voting.

\*It was moved, seconded, and approved to change the number of members needed for a quorum to be 6.  
#Burkart will make the change and submit the final By Laws to Cramer for posting on the web site.  
#Burkart and Baker will meet to discuss possible proposal to change voting status of alumni who are not members.

### **Distinguished Alumni Award**

Sullivan announced that the board had agreed to present the award to John Eiler. Presentation will be made during fall meeting scheduled for Oct 18, 2019. This date is during the homecoming weekend that includes a football game October 19 with Purdue. Shutter proposed a physical award and presented a photo of an example. Foster noted EESD would bear the costs of the plaque as well as other expenses of the awardee. Two awards will be presented: A College of Liberal Arts and Sciences (CLAS) award, presented by the dean; and the EESB award presented by Sullivan. John Eiler will be provided the opportunity to make two lectures; one associated with the CLAS award; the other associated with the EESB award. The latter to be on Friday, October 18, as part of the normal EESD seminar series. Foster suggested that EESB select hosts for Eiler's activities including meals.

Discussion of the award selection process included refining the process and posting steps and deadlines for nominations on the EESD web site. Sullivan noted that all three nominees this year were from her using a process proposed by Shutter. Two nominees not selected for this year's award would remain on the list for next year. She expressed a need for a larger pool of nominees in the future. Aden suggested an outline of the process be included in the next EESD newsletter with a call for nominations from all alumni. Peate suggested that EESB provide information on a regular basis for the newsletter. Sullivan agreed to provide a column for the next newsletter. Cramer agreed to pass on information about the next deadline set by Emily Finzel, the editor. Burkart suggested a description of the award nomination and selection process be submitted as an attachment to these minutes to provide documentation for future reference.

#Sullivan and Foster will meet to discuss details of the 2019 award and schedule for Eiler's visit.

#Shutter to provide description of award nomination and selection process to Burkart for inclusion in minutes.

#Sullivan to provide contribution from EESB to upcoming newsletter.

### **EESD Strategic Plan**

Cramer noted that the draft provided EESB was just that. Foster noted that the draft had been dominantly written by younger faculty as it was a description of their future. In answer to the question about the intended audience, Cramer stated that it included the dean, alumni, faculty, essentially everyone. Foster suggested it be organized to fit into defined timeframes such as near term, intermediate, and long term including the example of a new building. Blind suggested it include a definition of "environmental sciences" and "earth sciences." Foster suggested that campus turf issues on words, such as sustainability (captured by engineering) may limit use of some words in a definition. Burkart emphasized that definition of words used in the department title was critical to the lingering

problem of understanding of particularly “environmental science.” Such definition in a vision statement, would be linked to plans for curriculum, new faculty positions in EESD as well as clear statements of the justification for specific plans to collaborate with other departments and colleges.

Sullivan expressed satisfaction with the section on industry and alumni engagement. It was generally agreed that alumni needed to be engaged in the drafting of the strategic plan. A discussion followed on the topic of how EESD communicates with alumni. Burkart asked how EESB was announcing meetings since he had colleagues in Iowa who were unaware of this scheduled meeting. Cramer indicated it was difficult to communicate with non EESB alumni members. He suggested alumni be offered opportunities to participate in field trips. Aden suggested individual EESB members be tied to specific items in strategic plan so that alumni had a person to go to for on-campus activities.

### **Fund Raising Committee**

Sullivan asked how EESD wanted EESB to go forward on fund raising efforts. Cramer stated that a three-year campaign was starting in the fall of 2019 to end with a celebration of the 20<sup>th</sup> anniversary of the Environmental Sciences Program in 2022. Blind reminded us that actual fund raising was the responsibility of the Center for Advancement, but that help recovering names and contact information for alumni would be appreciated. Cramer proposed reaching members on Blind’s list via Twitter and other social media. Sullivan suggested EESB members provide testimonials, etc. to be posted. Smith suggested it would be helpful for EESD to specifically identify for fund raising. Foster agreed to solicit ideas from faculty. As an example, Cramer noted that student travel costs were annually about \$120-125,000 and that an endowment to provide this income would be large [based on 5% return this would be ~\$2.5 million]. Denne mentioned establishing funds in the name of faculty like the Furnish-Glenister Fund. Foster agreed to provide a summary of funding needs in his column in the next newsletter.

#Fund Raising Committee volunteers are Leon Aden, Richard Denne, Amy Sullivan, and Liz Maas.

### **Mentoring Committee**

Ririe mentioned that the goal of the mentoring program is to involve as many students as possible. Also, advice to alumni contemplating or accomplishing career changes is being considered. A diverse set of alumni would be recruited for online mentoring as well as resident alumni for direct contact. Cramer suggested that we make particular efforts to recruit environmental science alumni. Aden asked what fraction of the 800-some on Cramer’s alum list-serve were environmental science grads, but the number or fraction had not been determined. Several agreed that we need to recruit more among the environmental grads. This led to the following topic.

#Mentoring committee will meet immediately after the EESB meeting.

### **Alumni Outreach Committee**

Shutter mentioned the need to publicize more about both EESD and EESB among alumni. Cramer mentioned rebuilding the list serve starting with environmental sciences. Foster mentioned that the most recent University one-day fund drive produced more “unsubscribers” from the list serve than previous emails. Cramer explained some of the problems and efforts associated with building a list, mostly via manual compilation and examination of lists. Aden suggested an alum he knows who is a CEO of a company that has helped the Center for Advancement in the past and may help EESD sift through online data to find our alumni.

Shutter announced the intent to establish postings of “Iowa Geode Stars” on the EESD web site. This would be a short bio and photo of famous faculty and perhaps alumni, starting with Arthur C. Trowbridge (see example in attached meeting slides). Other suggestions included George Kay, Marshal Kay, and Outstanding Alumni awardees.

Cramer explained he was in the process of establishing links on the EESD web site to U Iowa Library digital versions of theses and dissertations available from 2003-2019. The library is in the process of scanning older theses and dissertations, although it is not being done in a progression of years, so one may find a few old ones with a gap among younger ones.

Cramer also suggested offering short courses for alumni as well as courses offered by alumni on site or online as an outreach venture. Online lectures may fit into this, particularly if they were recorded and links posted for those unable to participate during presentation time.

Cramer mentioned there was an interest in an Environmental Science Career Fair, likely to be held next fall that would benefit from alumni participation as individuals and by companies. Aden suggested EESB solicit alumni to commit to being on campus for further discussions with students during the fair.

**David Peate**, EESD Chair Elect introduced himself. He has been on our faculty for 16 years. His research agenda is geochemistry with an emphasis on volcanic rocks. Prof. Peate will lead EESD during the next 5 years. Several comments were offered welcoming Prof. Peate and expressing appreciation for his accepting the challenges of department chair.

## **Break**

Continued discussion on outreach?

Aden suggested that Iowa is a leader in developing field trips and running field trips and is emerging as the leader in field safety associated with geologic field trips. Given this, the group discussed the potential for the department to lead field trips where industry attendees would fill a substantial number of slots, with students and alumni filling out the balance of slots. This approach would raise Iowa's brand, improve the student experience, and add to networking opportunities for students and faculty. There was a suggestion to compile the current range of field trips that have been put together and safely run by the department. Once this list is compiled, Aden further suggested that a group of faculty and alumni meet and discuss other potential field trips that could be prepared, such that the list of field trips would resonate with industry (particularly those where field instruction is limited) and alumni. Particularly important will be pointing out the positive aspect of field trips that could be utilized "off-the-shelf" by others.

## **Educational License Proposal**

Aden proposed educational software that would be integrated into pedagogy, both by environmental sciences and geosciences. Dunne provided contact information for a subsurface interpretation package. Ririe has some application knowledge relevant to environmental studies, and Aden will progress the possibility of securing a structural analysis platform.

# Aden will prepare a proposal supporting the educational license proposal and Ririe will provide a list of free environmental science software (API or EPA).

## **Planning for October 18, 2019**

Sullivan will draft plans for whomever will be in Iowa City for the meeting and Distinguished Alumni Award (DAA). She will check on everyone's availability: plans for DAA events; one-on-one engagements. Please make travel plans now, particularly motel/hotel reservations. Burkart has made previous offers to host visiting alumni and the Sullivans' plan to take up the offer.

#Sullivan will draft plan and schedule for DAA, John Eiler's visit to Iowa City in October.

# All EESB members will confirm availability for October 18, 2019 meeting.

## **New Business**

Cramer announced the one-day fund raiser captured \$4500 for EESD from 32 donors, including one \$500 donation.

Sullivan encouraged all to spend 1-2 hours every week or two to make progress on EESB efforts.

Foster noted that the impending arrival of both a new dean and new provost gives EESD opportunities to promote the department with emphasis on field activities and engagement with alumni. The new provost

is an environmental scientist, an obvious opportunity to promote the department. He suggested we find an opportunity to invite the dean and provost to dinner with the EESB.

The meeting was adjourned at 1:10.

**Spring EESB Meeting Agenda**  
**Earth and Environmental Sciences Department Alumni Advisory Board**  
**April 11, 2019**

10:00 – 1:00 CST (via ZOOM and Main Conference Room (near Trowbridge 115))  
(with extension to 2:00 for Mentoring Committee)

10:00 – 10:15 Welcome, Roll Call, Agenda Overview (Sullivan)

10:15 – 10:25 Final Approval of By- Laws (Burkart)

10:25 – 10:40 Distinguished Alumni Award (DAA) – Recipient: John Eiler (Schutter, Sullivan)

- Discuss award gift, hosting, DAA agenda for 2 days
- Feedback on process

10:40 – 10:55 EESD Strategic Plan (Cramer)

10:55 – 11:10 Fund Raising (Cramer)

- Confirmation of Fund Raising Committee members

11:10 – 11:25 Mentoring Committee (Ririe)

11:25 – 11:40 Alumni Outreach (Schutter)

11:40 – 11:45 David Peate Introduction

11:45 – 11:55 Break

11:55 – 12:10 Educational License Proposal (Aden)

12:10 – 12:30 Planning Session for October 2019 EESB Meeting (Sullivan)

- Agenda Planning, hosting DAA Attendance

12:30 – 12:40 EESD Social Media (Finzel)

12:40 – 12:50 EESB Website Improvements (Sullivan)

- Mentoring page
- Alumni Rock Stars
- Field Camp Memories
- Main Library digital link
- Other suggestions

12:50 – 1:00 Any Other Business (AOB), Final Comments

1:00 – 2:00 Mentoring Committee Working Session (Ririe & Cramer)  
Student and Faculty participation – All EESB may attend

## Notes from Mentoring Committee Meeting (Sullivan)



## EESD Spring 2019 Meeting April 11, 2019

10:00 – 1:00 CST

(via ZOOM and Main Conference Room (near Trowbridge 115  
with extension to 2:00 for Mentoring Committee)

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## Agenda (1 of 2)

- 10:00 – 10:15 Welcome, Roll Call, Agenda Overview (Sullivan)
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- 11:40 – 11:45 David Peate Introduction
- 11:45 – 11:55 Break

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## Agenda (2 of 2)

- 11:55 – 12:10 Educational License Proposal (Aden)
- 12:10 – 12:30 Planning Session for October 2019 EESB Meeting (Sullivan)
- Agenda Planning, hosting DAA Attendance
- 12:30 – 12:40 EESD Social Media (Cramer)
- 12:40 – 12:50 EESB Website Improvements (Sullivan)
  - Mentoring page
  - Alumni Rock Stars
  - Field Camp Memories
  - Main Library digital link
  - Other suggestions
- 12:50 – 1:00 Any Other Business (AOB), Final Comments
- >>>>> Next Session:
- 1:00 – 2:00 Mentoring Committee Working Session (Ririe & Cramer)  
Student and Faculty participation – All EESB may attend

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## Final Approval of By-Laws (Burkart)

- Discussion on EESB member count
- Final Vote
- Circulate to Faculty

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## Distinguished Alumnus Award (Schutter)

- John Eiler for 2019
- Logistics - 2-day agenda
- Physical award
- CLAS Distinguished Alumni Award
- Feedback on DAA Selection Process
- DAA process on website
- Bio on Website?

### Reminder of Annual Process:

- Nominations – Close on Nov. 16
- Selection of Awardee – by Dec. 14, we finished by Feb. 11
- Notification – Jan. 15, John notified Feb. 22
- Award Event Plan – during Spring meeting
- Recognition Event – Homecoming in October



## DAA Award (Schutter)



- Appropriate rock to be shaped in rock prep lab
- Student group to be put in charge of project
- Suitable budget (cost +)
- Attached engraved plaque
- Presented by president of student group

## EESD Strategic Plan (Cramer)



- Discussion
- Thank you to Faculty for sharing the plan!

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## Fund Raising (Cramer)



- Tie to Strategic Plan
- Identification of EESB Fund Raising Committee
- Objectives - How does EESB Fundraising Committee operate?
- Center for Advancement coordination

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## Mentoring Committee Update (Ririe)



- Progress to Date
- Next steps

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## IOWA GEODE STARS



Arthur Carlton Trowbridge was born in Glasgow, MO, on March 4, 1868. He received the University of Chicago, after his BS in 1907, and the PhD in 1911. He was a member of the Society of the Quiet Valley, CA.

Trowbridge was recruited for the University of Iowa by George J. Faye, recently there was considerable competition for his talents. He joined the faculty in July, 1911, the following month he married Sue Lavinia Butler. They eventually had two children, Charles Langford and Carlton Frank.

Trowbridge taught general geology, and was responsible for introducing normal field courses and laboratory methods to the curriculum. He was described as a pioneer of topographic maps. During World War I, he was on leave from the university, serving as an education director at the US Army YMCA at Camp Dodge, then in New York City. In addition to his teaching duties, Trowbridge was involved in various governmental projects. These included geological mapping of the Laurentian U.S. - Canadian (1914) and the E. W. Shaw for a USGS field atlas, working on the geology of the lower Rio Grande valley in Texas which led to important contacts with the geologists and working with the U. S. Engineer Corps (forunner of the Army Corps of Engineers) for sediment deposition in the Mississippi delta.

Trowbridge's areas of research were physiography and glacial geology, later also including stratigraphy and sedimentation. He was the main research report on the "Sedimentation" of the Upper Mississippi valley. In 1920, Trowbridge coined the term "sedimentology," and referred to it as a sedimentology, although the term was not published until (Wassell) did so in 1933 (acknowledging its origin).

The most unusual event in Trowbridge's career needs some backstory. After World War I, it became apparent that the future was going to require enormous amounts of oil. Russia, one of the major sources, became out of bounds because of the revolution. Other sources were questionable because they were colonial holdings, and the potential sources in the Middle East had not passed from Turkish to French and British control.

In the United States, there was an abundance of young American oil companies that domestic sources might be inadequate, and they needed to explore overseas. In many cases, they were met with resistance from the British, French and Dutch oil companies, reinforced by their governments. This led to the American



Arthur Carlton Trowbridge

## Educational License Proposal (Aden)



- Benefits to students: applying geoscience principles; integrating geoscience sub-disciplines; exploring geologic alternatives
  - Query, qualify, and define risk elements vs. uncertainty elements
- Benefits to research in basin, structural, and stratigraphic modeling
  - Examine responses to input assumptions or input variations
- Current applications in the Department
- Candidate applications
  - Easy to use/easy to learn (at least basic components); or one that someone has used so they could teach others
- Does anyone have an established connection with any software provider?
- Fit with Strategy
- Next steps

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## Oct 2019 Meeting – Planning (Sullivan)



- Availability for Fall Meeting Friday Oct. 28, 2019
- Call for Agenda Items
- Hosting of DAA
- Departmental Activities
- Faculty Engagement
- Student Engagement
- Travel reservations

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## EESD Social Media (Cramer)



- Twitter, Facebook, Instagram
- LinkedIn ??
- One Day for Iowa
  
- *Follow us on our social media outlets for departmental updates and more!*  
**Facebook:** <https://www.facebook.com/UlowaGeoscience/>
- **Twitter:** <https://twitter.com/UlowaEES>

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## Mentoring Committee Session (Ririe, Cramer)



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## EESB Website (Sullivan)



- Mentoring page
- Alumni Rock Stars
- Field Camp Memories
- Main Library digital link
- Other suggestions

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## Reminder - Meeting Date Schedule



- **Fall Meetings: On Homecoming Fridays** <https://homecoming.uiowa.edu/>  
<https://hawkeyesports.com/sports/2016/6/13/sports-m-footbl-spec-rel-future-schedules-html.aspx>
  - 2019 – Oct 18 (Oct 19 Purdue, Confirmed on football schedule)
  - 2020 – Oct 23 (Oct 24 Northwestern) TBC and EESD **Alumni Day(s)**
  - 2021 – Oct 8 (Oct 9 Penn State) TBC
- **Spring Meetings** <https://registrar.uiowa.edu/five-year-calendar>
  - Spring Break: 2019 April 11, 2020 Mar 15-22, 2021 Mar 14-21
  - GSA North-Central Section: 2018 Mar 25-27, 2020 May 18-19, 2021 Apr 18-20
  - *Suggested Dates: 2019 Apr 12, 2020 Apr 10, 2021 Apr 9 (all Fridays)*
- **Special Meetings**
  - Recommend Committees check in monthly to ensure goals progressing
  - Committee Chair & Board Chair meet 1 month prior to Spring Meeting
  - Board members welcome to visit at any time !!

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## AOB



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