



National Association of
Geoscience Teachers

2019 Annual Report

Prepared for the 2019 Annual Meeting

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NAGT Annual Report
David McConnell
President, 2018-2019
Report prepared August 15, 2019

NAGT Executive Committee work:

- Meetings attended
 - November 4, 2018 (GSA, Indianapolis)
 - November 15, 2018 (virtual)
 - February 12, 2019 (virtual)
 - March 14-16, 2019, (Face-to-face, Northfield, MN)
 - June 6, 2019 (virtual)
 - July 8, 2019 (virtual)
 - July 26, 2019 (virtual)

NAGT Council work:

- November 4, 2018 (GSA, Indianapolis)
- April 15, 2019 (virtual)

NAGT Committee work:

- Co-chair, Executive Director search
 - Multiple virtual meetings to discuss status of search
 - Communications w/candidates about search status
 - Participation in presentations and interviews
- Chair, Neil Miner award committee

NAGT Presidential Line meetings:

- January 28, 2019
- February 20, 2019
- March 4, 2019
- April 8, 2019
- May 9, 2019

Conference/meeting participation:

- GSA Annual meeting, Indianapolis, November 4-7, 2018
 - Attended JGE Editorial Board lunch meeting
 - Attended Vision & Change project breakfast discussion
 - AGI/NAGT meeting participant
 - NAGT representative at GSA booth
 - NAGT Exec Committee/Council/NESTA meetings
 - NAGT Awards luncheon
- Represented NAGT at ESS Teaching Network meeting, Phoenix , November 13-15, 2018
- Advance Geo workshop, participant, NC State, March 22, 2019

- NSF GEOPATHS PI meeting, Washington, DC, April 24-25
- Vision & Change writing retreat, Austin, TX, May 28-31
- Invited Speaker, *Instruction designed to promote more effective student learning strategies*, at Gordon Research Conference in Chemistry Education Research and Practice, June 16-21, 2019, Bates College, ME
- Earth Educators Rendezvous, Nashville, July 17-21, 2019
 - Lead mini-workshop, *A beginners guide to creating short videos for geoscience courses*
 - Co-lead two-day workshop, *Adapting active learning strategies in your courses*, w/Rachel Teasdale

Other activities relevant to NAGT:

- Related publications:
 - Jones, J.P., McConnell, D.A., Wiggen, J.L., and Bedward, J., 2019, Effects of classroom “flipping” on content mastery and student confidence. *Journal of Geoscience Education*. V.67, #3, p.195-210
<https://doi.org/10.1080/10899995.2019.1568854>
 - Czajka, C.D. and McConnell, D.A., 2019, The adoption of student-centered teaching materials as a professional development experience for college geoscience faculty. *International Journal of Science Education*. V.41, #5, p.693-711.
<https://doi.org/10.1080/09500693.2019.1578908>
 - Steer, D., Iverson, E., Egger, A., Kastens, K., Manduca, C.A., and McConnell, D. 2019, InTeGrate materials development: A framework and process for developing curricular materials that address grand challenges facing society. P.25-44; in Gosselin, D.C., Egger, A.E., Taber, J.J., editors, *Interdisciplinary Teaching about Earth and the Environment for a Sustainable Future*: Springer, 405p.

Geoscience Education Grant Funding:

- National Science Foundation, *Effective Teaching Strategies Workshops and Sessions for the 2019 Earth Educators’ Rendezvous*, 2019, provided support for EER workshops (collaboration with Ryker, Archer, Teasdale, Kortz, and Jones)
- National Science Foundation, IUSE, *Recalibrating Student Learning in Introductory Geoscience Courses Through the Use of a Web-based Assessment tool*, 2017-2020, (PI)
- National Science Foundation, GEOPATHS-IMPACT, *Expanding Geoscience Discovery Opportunities Beyond the Classroom*, 2017-2020, (PI)

Upcoming Related Events:

- GSA meeting, Phoenix, I am involved in several talks or posters as a co-author
- Invited Speaker, University of Illinois at Urbana-Champaign (October 2019)
- Invited Speaker, Montclair State University, (October 2019)

NAGT Annual Report
Karen Viskupic
1st Vice President, 2018-2019
Report prepared: August 15, 2019

Goals from last Report:

- Successfully hire a new Executive Director and help with the transition of having a new Executive Director (this is still in progress)
- Work with the Professional Development committee to document and solidify procedures in anticipation of having a new PD committee chair (ongoing work)

NAGT Executive Committee work:

- meetings attended
 - ExComm meeting at GSA in Indianapolis November 4, 2018
 - Presidential Line call, January 28, 2019
 - Virtual ExComm meeting, February 12, 2019
 - Presidential Line call, February 20, 2019
 - Presidential Line call, March 4, 2019
 - ExComm meeting in Northfield, MN, March 14 - 16, 2019
 - Presidential Line call, May 9, 2019
 - Virtual ExComm meeting, June 6, 2019
 - Virtual ExComm meeting, July 8, 2019
 - Virtual ExComm meeting, July 26, 2019
 - Virtual ExComm meeting, July 22, 2019
- assigned tasks
 - co-chair the search for a new Executive Director —ongoing
 - worked with co-chair David McConnell to write and circulate an ad for the position, recruit applicants, answer questions from applicants, review applications, work with search committee to define and implement a selection process, interview candidates
 - Phone calls (including interviews) related to the ED search on:
 - March 8, 2019
 - March 1, 2019
 - March 19, 2019
 - March 22, 2019
 - March 26, 2019
 - April 9, 2019
 - April 18, 2019
 - August 19, 2019
 - Review MOU between NAGT and SERC for continued collaborations

NAGT Council work:

- meetings attended
 - Virtual council meeting, October 8, 2018
 - Council meeting at GSA in Indianapolis November 4, 2019
 - Virtual council meeting, April 15, 2019
 - Virtual council meeting, September 9, 2019

NAGT Committee work:

- Professional Development Planning Committee (chair)-- also see separate report
 - Virtual meeting, February 26, 2019
 - Virtual meeting, April 30, 2019
 - Work completed or in progress:
 - revised the structure for EER leader stipends
 - working with the ADVANCEGeo Partnership to plan training for TWP leaders
 - Virtual meeting on February 22, 2019
 - Virtual meeting on February 5, 2019
 - Training at 2019 EER, July 17, 2019
 - Proposal including leaders from several PD organizations (PI Rick Moog from POGIL) was funded by NSF IUSE to create a PD consulting consortium. This will include workshop leaders from TWP
 - Working with EER leadership to create guidelines for:
 - EER location
 - Partnerships with workshop leaders seeking funding
 - Created a new webinar sub-committee, chaired by Rory McFadden
 - Approved an agreement to use the On the Cutting Edge name for the NAGT PD program in its entirety and the OCE historical website and additions to it under the direction of the website and PD committees.
- NAGT Travelling Workshops Program (TWP) Management Team
 - Virtual meeting attended
 - October 23, 2018
 - January 22, 2018
 - March 28, 2019
 - Meeting/training at Earth Educators' Rendezvous, July 17, 2019
 - Ongoing activities:
 - reviewing applications for travelling workshops
- NAGT Investment Committee
 - no meetings attended during reporting period

Liaison activity:

- Northwest section
 - I did not attend any meetings or events during the reporting period
- AGI liaison
 - I did not attend any AGI meetings or events the reporting period

Conference/meeting participation:

- GSA Annual meeting, Indianapolis, IN, November 4 - 7, 2018
 - NAGT Past Presidents' Breakfast, November 4
 - NAGT Executive Committee and Council meetings, November 4
 - JGE editorial board meeting, November 4
 - NAGT division meetings (GER, 2YC, TED), November 4
 - NAGT/AGI meeting, November 5

- NESTA/NAGT leadership meeting, November 6
- NAGT awards luncheon, November 6
- NAGT/GSA education meeting, November 6
- NAGT booth, November 7
- Diversity, Equity, and Inclusion in the Earth and Environmental Sciences: Supporting the Success of All Students workshop, University of Illinois at Chicago, April 11-12, 2019
- Summit on Improving Geoscience Graduate Student Preparedness for the Future Workforce, Austin TX, May 11-13, 2019
- Earth Educators' Rendezvous in Nashville, TN, July 15-19, 2019

Other activities relevant to NAGT:

- Member of the leadership team for the On the Cutting Edge Classroom Observation project
- Member of the National Geoscience Faculty Survey research team
- Developing a new general education course at Boise State University, GEOS 104 Geoscience and Society that will use InTeGrate materials
- Co-leader for Travelling Workshop Program at the University of Puget Sound, June 18-19, 2019

Upcoming Activities

- Geological Society of America annual meeting

Goals for next reporting period:

- Successfully hire and new Executive Director and help with the transition of having a new Executive Director
- Help Sean Tvelia in his new role as chair of the PD committee

**NAGT Year-End Report
Fall 2019
Jennifer M Wenner
2nd Vice-President, 2018-2019
Report prepared: September 21, 2019**

NAGT Executive Committee work:

- meetings attended
 - November 15, 2018 (virtual)
 - February 12, 2019 (virtual)
 - March F2F meeting, Northfield, MN
 - June 6, 2019 (virtual)
 - July 8, 2019 (virtual)
 - July 26, 2019 (virtual)
 - August 22, 2019 (virtual)
- opportunities & concerns: None

NAGT Council work:

- meetings attended
 - April, 2019 (virtual)
- opportunities & concerns: None

NAGT Committee work:

- Executive Director Search Committee
 - meetings attended
 - February 6, 2018 (virtual)
 - March 29, 2018 (virtual)
 - May 24, 2018 (virtual)
 - June 4, 2018 (virtual)
 - February 26, 2019 (virtual)
 - Work completed
 - Interviewed four candidates
 - Travelled to SERC to interview one candidate
- Professional Development Committee (serve as Chair of the Teach the Earth Website committee)
 - meetings attended
 - February 6, 2018 (virtual)
 - March 29, 2018 (virtual)
 - May 24, 2018 (virtual)
 - June 4, 2018 (virtual)
 - February 26, 2019 (virtual)
 - Work completed
 - See Teach the Earth committee report below.
- Teach the Earth Website committee
 - meetings convened and attended (all virtual):
 - September 20, 2018
 - February 19, 2019
 - March 12, 2019

- April 23, 2019
 - May 16, 2019
 - June 10, 2019
- work completed:
 - Added Sarah Fortner as Committee Member (John McDaris replaced by Andrew Haveles (*ex officio*))
 - Updated pop-up links on top portal page to reflect adopted policy
 - Sean drafted a document about the NAGT/TTE relationship and ownership of pages/materials and shared at the March 14-16, 2019 Ex Comm meeting
 - John McDaris wrote an article and developed a page on TTE for the upcoming Diversity and Inclusion special issue of JGE.
 - Worked with NAGT Executive Director and SERC staff to develop document outlining the distinct roles of NAGT and SERC in the website realm. Helped to develop the MOU with SERC.
 - Discussed partnering with companies with affordable equipment, such as PocketLabs to develop teaching activities that use the equipment. This grew out of the fact that Sarah Fortner contacted PocketLabs to see if they would be interested and they gave her a free piece of equipment to encourage use in the classroom.
 - Discussed possible changes to some of the work prior to Review Camps – the possibility of pre-screening some of the activities, so people don't spend time on incomplete activities or those that are unlikely to pass the review.
 - Went through the usage patterns for activities and discussed how that might inform our work on identifying gaps
- work in progress:
 - Ongoing work identifying gaps in content using multiple methods.
 - Surveying users and members of NAGT through pop-ups and workshop surveys
 - Discussion boards on TTE
 - Design some pointed questions to have at EER or other conferences to try to gather more information.
 - Collecting, cataloging and managing external sites within TTE.
 - Filling out membership with new members – need to replace Michele Cooke.
 - Continued work on the opportunities and concerns listed below.
- opportunities & concerns:
 - Below are the three challenges that the committee identified, I have included a plan for how we overcome these challenges:
 - **Challenge 1:** Understanding the current collection. The committee needs to create a landscape map of the site to identify gaps in content and where gaps need to be filled. We identified two ways to do this:
 - The committee examines parts of the site we think are important/popular and identifies gaps or updates

- Survey users (particularly at the Earth Educator Rendezvous) to see where they identify gaps or needed updates
- **Challenge 2:** Filling in gaps in content - making the site as comprehensive as possible.
 - Identify external sites that fill in gaps, or
 - bring in editors who can fill those gaps
- **Challenge 3:** Updating content
 - Recruit editors who are committed to updating content in current collection
- One opportunity for the future is to think about things like site review of external sites and how those are funded those in the future.

Liaison activity: GSA Associated Societies

- meetings attended
 - Joint AGI/GSA Associated Societies meeting, November 5, 2018
 - GSA Associated Societies Meeting, virtual, April 4, 2019
- significant accomplishments of division/section
 - Discussed roles of AGI/GSA in the time of the #MeToo movement and how to address harassment within the societies.
- opportunities & concerns: Attending GSA Associated Societies Virtual Meeting, April 4, 2019

Liaison activity: Council for Undergraduate Research (Geosciences Division)

- meetings attended
 - November 4, 2018
- significant accomplishments of division/section
 - Organized and sponsored Undergraduate Research Poster Sessions for North-Central, Southeastern (4 sessions), and Joint Rocky Mountain/Cordilleran GSA Sectional meetings
 - Discussed a formal relationship via MOU with NAGT and GEO-CUR
- opportunities & concerns: None

Liaison activity: Central Section

- officers, terms of office and contact information
 - President: Alexa Sedlacek (2016-2019)
 - 1st Vice President: Kelsey M Arkle (2017-2020)
 - 2nd Vice President: tbd
 - Past President/Secretary: Beth Johnson (2015-2018)
 - Treasurer: Michael Wolf
 - OEST Chair: Susan Kornreich-Wolf
- financial information
 - Section Financial information not discussed
- meetings attended/held
 - none
- significant accomplishments of division/section

- None reported
- opportunities & concerns

Conference/meeting participation:

- GSA 2018 Annual Meeting, Indianapolis, IN
 - November 4-7, 2018
 - activities relevant to NAGT: Educators reception, assisted at NAGT booth, NAGT/GeoED/GeoCUR luncheon

Other activities relevant to NAGT:

- Incorporating InTeGrate materials into my introductory geoscience (Physical Geology) course. Working on developing this course into a science course that fits into our new general education program at UWO.
- Geoscience education research with Julie Sexton (CU Boulder) and Molly Jameson (U. Northern CO) regarding student learning of geoscience and quantitative skills in the affective domain.
- Preparing HHMI Inclusive excellence focused on inclusive pedagogy in introductory science courses at the post-secondary level.

Upcoming Activities

- 2019 GSA Annual Meeting, September 22-25, 2019, Phoenix, AZ
- Geo-Ed Infrastructure Workshop, November 3-5, Northfield, MN

Goals for next reporting period:

- Continue chairing TTE committee and moving forward with items above
- Take on 1st vice-president duties.

NAGT Annual Report
For the Fiscal Year beginning September 1, 2018 and ending August 31, 2019
Frank Hladky, Secretary / Treasurer
Report prepared August 7, 2019

NAGT Executive Committee work:

- October 3, 2018 (virtual), attended meeting as a nominee.
- November 4, 2018, GSA, attended as newly elected member and recorded the minutes.
- November 15, 2018, (virtual), delegated minute-taking to Karen Viskupic but provided follow-on summary for subsequent meeting.
- February 12, 2019 (virtual), recorded the minutes and presented the Q1FY19 financial summary.
- Attended Presidential line (virtual) meetings of
 - January 28, 2019
 - February 20, 2019
 - March 4, 2019
 - April 8, 2019
 - May 9, 2019
- Communicated with the Executive Director and/or the Business Manager in person (at GSA), by e-mail and via zoom on numerous occasions primarily concerning the FY19 budget and proposed FY20 budget documents.
- March 14-16, 2019—Face-to-face meeting, Northfield, MN
 - Presentation (with assistance) of NAGT proposed FY2020 budget and current FY taxes
- June 6, 2019 (virtual)—Recorded minutes and with Business Manager Amy Collette, presented 3Q financials.
- July 8, 2019 (virtual)—Recorded minutes and with Business Manager Amy Collette, presented the rebudget summary which allocated funds additional to those approved at the March Face-to-Face meeting in order to accommodate a negotiated contract with the new Executive Director.
- July 26, 2019 (virtual)—Recorded minutes. The primary purpose of the meeting was to declare a failed search for a new Executive Director and to initiate a process for a new search.

NAGT Council work:

- November 4, 2018 (GSA)
- April 15, 2019 (virtual). Recorded minutes.

Conference/meeting participation:

- GSA Annual meeting, Indianapolis, November 4-7, 2018
 - NAGT Awards luncheon, November 6, 2018 (GSA)

Upcoming:

- ExComm Meeting, August 22, 2019 (virtual)

Comments:

- ExComm focused on recruiting a new Executive Director this year. ExComm approved a new NAGT/SERC MOU. NAGT also made progress on its ethics policy, its bylaws, and toward recruiting a new ITT editor.

Other relevant activities:

- Succeeded as NAGT PNW section president by Hillary Goodner June 25, 2019 at the section's annual meeting held in Penticton, BC.

**NAGT Annual Report
September 2019
Don Haas
Past President 2018-2019
Report prepared: September, 2019**

NAGT Executive Committee work:

- meetings attended
 - June 25, 2018 (virtual)
 - October 3, 2018 (virtual)
 - November 4, 2018 (F2F @ GSA)
 - November 15, 2018 (virtual)
 - February 12, 2019 (virtual)
 - March 14-16, 2019 (F2F @ Carleton)
 - June 6, 2019 (virtual)
 - June 6, 2019 (missed due to IODP meeting)
 - July 26, 2019 (virtual)
- NAGT Presidential line call participation (multiple calls)

NAGT Council work:

- meetings attended
 - November 4, 2018 (F2F @ GSA)
 - November 15, 2018 (virtual)
 - April 15, 2019 (virtual)
 - September 9, 2019 (virtual)

NAGT Committee work:

- Ad Hoc Diversity Committee, transitioned chairmanship to Aisha Morris, and then Aisha stepped back.
 - Meetings attended:
 - February 25, 2018 (virtual)
- Advocacy Committee
 - See also Advocacy Committee Report
 - Re-assumed chair from Mike Phillips, effective at GSA
 - Meetings attended:
 - July 17 (F2F @ EER)
 - February 8, 2019 (virtual)
 - April (virtual)
 - June 28 (virtual)
 - August 23 (virtual)
 - Note that Advocacy Committee Member, Sherry Oaks, passed away in 2018.
 - See also Other Activities Relevant to NAGT below.
- Nominations Committee

- See also Nominations Committee Report

Liaison activity: New England Section

Conference/meeting/workshop participation:

- **American Geophysical Union Fall Meeting**, December 10 – 14, 2018, Washington, DC
 - Co-author on three abstracts, first author on two of these.
 - GIFT Share-a-thon
 - CLEAN Workshop Facilitator
- **Renaissance Weekend**, December 28, 2018 – January 1, 2019 Charleston, SC
 - Gave two talks and participated on two panels
- **A series of programs with New York State Master Teachers**
- **United State Advisory Committee, International Ocean Discovery Program Meeting**, January 22 – 25, 2019, Scripps Institution of Oceanography, San Diego, CA.
- **National Science Teachers Association Annual Meeting**, April 11 – 14, 2019, St. Louis, MO
- **NEXT: Scientific Ocean Drilling Beyond 2023**, May 6-7, Denver, CO.
- **Western New York Youth Climate Action Summit**, Buffalo, NY, June 1, 2019
 - Planning committee, workshop presenter
- **North American Paleontological Convention**, June 24 – 26, 2019, Riverside, CA (presented virtually, due to airline cancellation)
- **United State Advisory Committee, International Ocean Discovery Program Meeting**, July 8-10, 2019, American Museum of Natural History, New York, NY.

Other activities relevant to NAGT:

- **New York State Science Education Steering Committee**; three-year term began with January 2018 meeting
- **NSTA Climate Position Statement Committee**
 - The statement was published in September 2018.
- **United State Advisory Committee, International Ocean Discovery Program**; Began 3-year term as education *ex officio member* at the January meeting. The position for an educator on the committee is new.
- Many activities and press related to *The Teacher-Friendly Guide to Climate Change*.

Upcoming Activities

- **GSA 2019 Annual Meeting**, September 21-25, 2019, Phoenix, AZ
 - activities relevant to NAGT:
 - NAGT Luncheon
 - Educators reception
 - InTeGrAte reception
 - assisting at NAGT booth
 - NAGT meetings
 - AGI meeting

- NAGT Past Presidents' Breakfast & NAGT lunch
- Co-authored four oral presentations
- **Teaching about Climate Change: What You Do Matters**, October 22, 2019, Buffalo, NY, Keynote speaker
- **Science Teachers Association of New York State**, November 2 – 4, 2019
- **10th Chicago International Education Conference The Digital Museum and Library: Reconstructing International and Intercultural Collections in the Online Space**, November 8, 2019, University of Chicago, Keynote Speaker

A closing thank you...

My time on NAGT's Executive Committee unfortunately coincided with what were perhaps the most difficult four years of my life – the end of my marriage, the death of my mother, and a major depressive episode (and more!). Throughout all of that, both the NAGT staff and my fellow members of the Executive Committee and the Council were profoundly gracious and understanding. I will forever be grateful.

After that very long and difficult stretch, I feel like I am finally refinding my footing. I intend to avoid saying yes to major commitments in the near term, until things settle down a little further, but hope to continue serve NAGT for a long time to come.

With thanks,
Don

NAGT Executive Office Report
September 12, 2019

Work in the executive office since March has continued to focus on preparing for a new Executive Director. We have been successful in putting in place a strong team that can support the ongoing work of the organization and is prepared to support the new Executive Director. Key adjustments since March were the addition of Monica Bruckner to manage awards and other program elements and Sandy Lynn-Proshek as the new administrative assistant. Caroline Smith successfully completed the 2018 membership drive with 1600 members while advertising the Cutting Edge programs to full enrollment and executing the logistics for the Rendezvous and Early Career workshop. We now consider her a seasoned hand. Amy Collette continues to manage the Executive Office Staff adroitly and I provided significant assistance with both task completing and staff training. With new staff coming up to speed, I am no longer needed for either of these responsibilities and we see Amy's workload returning to manageable. I would like to thank the staff and particularly Amy for the huge effort that allowed us to successfully complete this staffing transition with minimal impact on the organization and its programming.

A second major transition this year was the reduction of Executive Office staffing last August. This reduction took advantage of several staff departures to draw Executive Office spending down to levels that could be supported in the face of reduced revenues from the lab manual and JGE. With reduced staff, the Executive Office provided less support for the work of committees, sections and divisions. NAGT has deep volunteer leadership. Much of the committee work continued strong without support and there does not appear to have been a major impact on the sections or divisions. However, we were not successful in holding costs down in the Executive Office with expenditures comparable to last year. We anticipate that these costs should drop somewhat in the upcoming year when we are working with a full contingent of staff that allows more delegation of tasks by top level employees. However, the Executive Office also continued to play a critical role in time consuming tasks like the hiring of the new Executive Director and the development of structures to support volunteer work. SERC donated several weeks of my time to enable training of new staff and funds from the NSF Cutting Edge grant paid for the development of the SERC/NAGT MOU surrounding ongoing management of these programs into the future. Finding a balance between the expectations of the Executive Office and the available funds will continue to be a challenge into the future.

Several advancements were made on the management of the Cutting Edge professional development program. The Rendezvous again demonstrated the strength of the volunteer leadership structure working with SERC tools and staff and had strong enrollments. We saw strong interest by vendors in participating in the Rendezvous and are evolving a new set of opportunities for vendors to interact with participants. This will increase the value of participation and the possibilities for increased revenue. The Donor committee was successful in raising \$8,693 in support of Rendezvous travel as well as \$2,718 in support of student travel. The Traveling Workshop Program implemented a new leadership and management structure in spring 2018. Led by Dallas Rhodes and Catherine Riihimaki, this group tripled the number of paid workshops offered this year increasing the program's impact substantially and turning it

into a revenue generator. The Early Career Workshop continued to be oversubscribed and well managed in the second of three years of NSF funding that are helping to hold down participant costs. A new webinar committee was formed in early summer and has a nearly weekly line-up of webinars for the fall semester. These draw expertise from other parts of the Cutting Edge program, from NAGT sponsored projects, from other NAGT activities like the Advocacy Committee, and from the strengths and work of individual NAGT members. The committee is functioning smoothly and off to a strong start. We received 78 new additions to the CE activity collection which were reviewed along with 66 previously submitted activities. 30 of these activities were selected for the exemplary collection.

The Cutting Edge professional development program was implemented primarily by volunteer leaders appointed and guided by the PD committee who were supported by SERC staff in a highly successful collaborative effort. Further, the Cutting Edge program continued to break even financially including support for the full spectrum of PD activities and the website. This year marked the last year of donations from AGU and GSA to the program, however, the health of the programs is such that we have been able to generate a balanced budget without this aid. This represents a major accomplishment of the organization allowing for sustained offering of the program into the future. With my impending departure from the Executive Office, it was important at this juncture to clarify the roles of NAGT and SERC in supporting the program. The PD committee, Executive Committee and Executive Office worked together with SERC and Carleton to produce a MOU that enables ongoing collaborative support while clarifying roles, financial management, the ownership of intellectual property, and the contingency plans should we cease to collaborate. As part of this process, the intellectual property arising from the original NSF funded grant was also clarified.

Lastly, the Executive Office worked closely with David McConnell, Karen Viskupic and the Executive Director Search Committee to identify and vet candidates for a new Executive Director. At this time, a successful candidate, Anne Egger, has been identified. Ongoing work is supporting the identification of an Interim Editor-in-Chief for JGE to replace Anne in that role and to clarify the terms of Anne's contract. A new contract with SERC/Carleton for Executive Office services began on September 1 anticipating the hiring of a new Executive Director. I will continue to serve until October 31 to allow for the lengthened process of putting a new Executive Director in place. A search for a new editor for In the Trenches is also underway under the leadership of John Taber and is moving forward with minimal support from the Executive Office.

As this is my last report as Executive Director, it seems appropriate to reflect back over the past 12 years. Serving as Executive Director has been a tremendous experience, an honor, and a great opportunity. Thank you to all for trusting me and working with me, and for all that you have done to make the organization strong and teaching and learning about the Earth better. NAGT has accomplished or contributed to many things in the last 12 years including but not limited to: Establishing In the Trenches and the E-News, increasing NAGT's reputation among both the geoscience societies and the STEM Education community, establishing the Advocacy Committee, supporting the blossoming of Geoscience Education Research as well as increased

focus on diversity, equity and inclusion, expanding its recognition through awards, reinvigorating the USGS internship program, and maintaining the healthy field camp and Dotty Stout contributions and scholarships. When I look back, the four things that make me most proud are

- The strength of the NAGT leadership - we have a deep bench capable of running the organization, its awards, its publications, and its program. Further, from the Journal editors, to the PD program, to the organization governance, we have lots of mechanisms for allowing new leadership to develop and come forward. The number of volunteers at work and the number of people who want to volunteer have both grown substantially over the past decade and the diversity of backgrounds of these volunteers has expanded. We have very healthy involvement of 2-year college faculty, growth in the number of atmospheric scientists and oceanographers, and increasing engagement of educators from MSIs. This growth reflects the quality of work being done by members of the organization and the 'big tent' culture that we have developed. The shared commitment of this leadership across the whole organization to quality teaching and learning about the Earth, and to equity and inclusion in education and in the profession is commendable. It will inspire and support wonderful new advancements. Thank you to all who have and will contribute to the ongoing development of this leadership – it ensures NAGT's future.
- The establishment of the Divisions – the Executive Committee made Divisions possible sparked by a request from 2YC faculty to create a home for them inside NAGT. The health of the 2YC Division and its contributions to the organization spurred the development of the Teacher Education and Geoscience Education Research Divisions. These groups have created a focused opportunity for many of our members, developed new leadership opportunities and new awards, and created un-imagined synergies with our programming. I think we are just beginning to understand how Divisions can strengthen the work of NAGT. It has been so fun to watch the grow from an idea into a major aspect of our organization.
- The development of Cutting Edge and its website as a sustainable piece of NAGT. This was a long shot. Starting with the NSF funded program and the NAGT Distinguished Speakers Program, folding in the Travelling Workshop Program with help from InTeGrate, conceptualizing the Rendezvous as a way to fund topical workshops while sustaining our community (and testing it with help from both the NSF funded Cutting Edge and InTeGrate projects), experimenting with funding from participants, societies, advertising, sponsors, donors, and building the leadership structure for the community to manage these programs in volunteer size chunks-- the road to our current program has been full of twists and adventures. This has been joyful work and I am so grateful to all who stepped up to the plate to take responsibility, to bring new ideas, to take risks, and to nurture and care for this program. It required the collaborative efforts of the Executive Committee, the PIs of the NSF funded programs (and all of the InTeGrate leadership), the volunteers on the PD committee, all of the volunteers managing and leading the various activities, community members obtaining funds for Rendezvous workshops and working group meetings, and the membership participating and providing needed feedback. To the best of my knowledge, no other discipline has a

program like this one that nurtures and supports in an integrated way the development of teaching excellence informed by research and practice and thoroughly grounded in and driven by the community. There will be challenges ahead and things will need to change and adapt but the structures and culture are in place to make that happen. Best wishes and enjoy the ride.

- The Executive Office staff – it is sort of amazing to realize that NAGT operated without any paid staff until I started as Executive Director. I proposed that hiring SERC along with me would allow us to access a lot of different types of expertise in small amounts. I guess I underestimated because we accessed lots of different types of expertise in big amounts. This enabled the development of the website as a tool for supporting organizational activities, professional financial management, marketing and meetings expertise, and capacity for organizational and program management that had not been available before. My goal in the early years was to liberate the volunteers from management so they could attend to improving teaching and learning about the Earth. I think we did that and I can't imagine doing what we do today without the support from the SERC team that makes up the Executive Office. The fact that they and their relationships to the organization are a structure so sound that they will continue their work as I step down feels like a big achievement for all of us.

Serving as Executive Director at the center of all of this has been a wonderful experience. It has opened doors for my professional growth, allowed me to make contributions to the profession I love, introduced me to wonderful people I wouldn't have met, and allowed me to help people grow and thrive as educators. I am so pleased that Anne Egger will take over as I step away. I have known Anne since she was beginning at Stanford. She loves this organization as I do and will bring new energy and direction. I look forward to watching. Thank you so much.

NAGT Annual Report
September 2019
Reginald S. Archer
Councilor-at-Large, Elected 2018
Report prepared September 16, 2019

NAGT Executive Committee work & meetings

- GSA Annual Meeting in Indianapolis, November 4, 2018 - ExComm Meeting (virtual)
- November 15, 2018 - ExComm Meeting (virtual)
- November 30, 2018 - NAGT Executive Committee On-Boarding (virtual)
- February 12, 2019 - ExComm Meeting - (virtual)
- March 14 - 16, 2019 - ExComm Meeting (in person - Northfield, MN)
- June 6, 2019 - ExComm Meeting - (virtual)
- July 8, 2019 - ExComm Meeting - (virtual)
- July 26, 2019 - ExComm Meeting - (virtual); Executive Director appointment/ renewed search)

NAGT Council work & meetings

- November 4, 2018 Council Meeting (virtual)
- April 15, 2019 - Council Meeting (virtual)

Conference/Meeting Participation:

- EER, July 14 – 19, 2019.

Section Liaison Activity: Southeast section

- Communicated with Vice president SE Section: Discussed brand management and social media presence
- Met with President at EER to open lines of communication

NAGT Travelling Workshop Program (TWP)

- Serve on Management Team for the Traveling Workshops Program
- July 2019: Initial planning call for TWP workshop at Xavier University of Louisiana
- July 17, 2019. TWP Working Group Session at EER.

Other Activities Relevant to NAGT:

- HBCU Geosciences working group
- EER Planning team, on the ground host
- EER Delivered workshop: “Designing effective lessons for your first geoscience course” (https://serc.carleton.edu/earth_rendezvous/2019/program/morning_workshops/w2/index.html)
- EER Led Spatial Thinking roundtable
- Co-developed EER HBCU Panel discussion: “Grand Challenges in Earth Learning: Perspectives from Historically Black Colleges and Universities”

Goals for Next Reporting Period

- Attend September 22nd, 2019 GSA Meeting Council Meeting and Annual NAGT Business Meeting
- TWP Planning with Kathy Ellins for TWP workshop at Xavier University of Louisiana, New Orleans, November 14 – 15, 2019.
- Working with NAGT Professional Development Committee to develop AGU workshop (Dec 2019)

NAGT Annual Report
August 2019
Kathy Ellins
Councilor-at-Large, Appointed 2018
Report prepared: August 8, 2019

NAGT Executive Committee work

- GSA Annual Meeting in Indianapolis, November 4, 2018 (Face-to-Face ExComm Meeting)
- November 15, 2018 (virtual ExComm Meeting)
- February 12, 2019 (virtual ExComm Meeting)
- Northfield, MN, March 14 - 16, 2019 (Face-to-Face ExComm Meeting)
- July 8, 2019 (virtual ExComm Meeting)
- July 26, 2019 (virtual ExComm Meeting; Executive Director appointment/ renewed search)

NAGT Council Work

- November 4, 2018 (GSA)
- April 15, 2019 (Virtual Council Meeting)

Conference/Meeting Participation:

- GSA Annual Meeting, Indianapolis, November 4-7, 2018
- NAGT Past Presidents' Breakfast, November 4
- NAGT division meetings (GER, TED), November 4, 2018
- NAGT Awards Luncheon, November 6, 2018 (GSA)
- EER, July 14 – 19, 2019.

Donor Development Initiative Committee

- Interaction with donors regarding support for graduate students at the EER
- February 20, 2019 committee conference call concerning EER travel grant program and donor-supported funding for graduate students to attend the career prep workshop at the EER.
- May 16, 2019 committee conference call concerning EER and possible challenge grant
- July 14 – 19, 2019. EER, Opening Reception and Opening of Poster Session, encouraged contributions to Friends of NAGT challenge grant.

Liaison Activity: NAGT TED

- Collaborated with TED on the development of criteria for Geoscience Teacher Leaders and corresponding levels of recognition for awards.
- Presented criteria at GSA (oral presentation)
- TED Meeting (virtual call, Nov. 4, 2018)
- Call with TED Chair regarding GSA feedback on Geoscience Teacher Leader criteria, Nov. 17, 2018.
- Call with TED Chair regarding AGU presentation, Dec. 12, 2018
- TED Teacher Leader Criteria sent to NAGT ExComm in June 2019 for consideration.

TED Work in Progress

- Additional conversations needed with NAGT ExComm leadership regarding Teacher Leader Criteria prior to fall 2019 GSA.
- identify social media director, publication of newsletter, continuing to connect with other organizations focused on K-12 STEM education, CAEP SPA,

- Opportunities and Concerns
 - TED expressed a desire for more workspace on SERC website
 - TED plans to expand social media activity with funding support provided by a TED committee member for an undergraduate student to work on this.

AGI

- May 20, 2019. Represented NAGT at AGI Council Meeting in San Antonio. Detailed report submitted to ExComm

NAGT Travelling Workshop Program (TWP)

- Planning activities with Ginny Peterson for TWP (Building Strong Geoscience Departments) for Gustavus Adolphus College, May 30-31.
 - March 5, 2019. Planning call with Ginny Peterson
 - March 21, 2019. Planning call with Gustavus Adolphus College
 - March 26, 2019. Planning call with Ginny Peterson and Gustavus Adolphus Department Chairs.
 - May 23, 2019. Planning call with Ginny Peterson.
- May 30-31, 2019. TWP: Building Strong Geoscience Departments, Gustavus Adolphus College
- July 17, 2019. TWP Working Group Session at EER.

Other Activities Relevant to NAGT:

- NSF INCLUDES project, EarthConnections
 - Oct. Meeting with Oklahoma Alliance
 - Nov. 3, 2018. On to the Future (OTF) Workshop at GSA Annual Meeting. Piloted EarthConnections-inspired geoscience career pathway mapping activity. Abstract submitted to EER.
 - EER. Delivered oral presentation on EarthConnections-inspired career mapping activity carried out at the On to the Future (OTF) Workshop at 2018 GSA Annual Meeting (https://serc.carleton.edu/earth_rendezvous/2019/program/talks/thursdayA/218463.html)
- July 22 – 27, 2019. Petroleum and Geosystems Engineering Institute (summer 2019 – 2020). Optional participation in Teacher Leadership program. Adapted provisional TED NAGT Leadership Criteria for their program.

Goals for Next Reporting Period

- Complete work on Geoscience Teacher Leader Criteria with TED.
- TWP. Planning with Reginald Archer for TWP workshop at Xavier College, New Orleans, Nov. 14 – 15, 2019.
- Explore opportunities for teachers who participated in Petroleum and Geosystems Engineering Institute to participate in NAGT-sponsored webinars.
- Attend Advance training on addressing harassment, implicit bias is, bystander intervention in January 9-10, 2020 in Lawrence, Kansas.

**NAGT Annual Report
Summer 2019
Aisha R. Morris
Councilor-at-Large
Report prepared 09-20-19**

Goal from last Report:

- Develop plan for transition of Diversity ad hoc committee to standing committee
– recruit new members as appropriate

NAGT Executive Committee work:

- March 14-16, 2019 ExComm spring face to face meeting in Northfield, MN
- June 6, 2019 ExComm virtual meeting
- July 8, 2019 ExComm virtual meeting
- July 26, 2019 ExComm virtual meeting

NAGT Council work:

- April 2019 Council virtual meeting
- September 2019 Council virtual meeting

Liaison activity:

- NABG – attended 38th Annual Technical Conference
- North Central Section – *not active*

Conference/meeting participation:

- National Association of Black Geoscientists (NABG) Technical Conference –
Fayetteville, AR – September 2019

Goals for next reporting period:

- N/A

NAGT Mid-Year Report

August 2019

Catherine Riihimaki

Councilor-at-Large, 2018-2021

Report prepared August 21, 2019

Activities since Annual GSA meeting, November 2019

NAGT Executive Committee work:

- Drafted ethics statements for NAGT: Code of Conduct and Code of Ethics for Abstract Publication and Meeting Presentation
- Participated remotely in November 4, 2018 face-to-face meeting (GSA)
- Participated in November 15, 2018, February 12, 2019, and July 8, 2019 virtual meetings
- Participated remotely in March 14-16, 2019 face-to-face meeting

NAGT Council work:

- Participated remotely in November 4, 2018 face-to-face meeting (GSA)
- Participated in April 15, 2018 virtual meeting

Conference/meeting participation:

- American Geophysical Union annual meeting December 10-14, 2018 in Washington, DC
 - Staffed the NAGT booth in the exhibit hall for 3-hour session
 - Presented a poster:
 - Riihimaki, C. A., White, V. M. and Schmitt, D. M. (2018), The motivations and impacts of an art-science collaboration at Princeton University, *American Geophysical Union, Fall National Meeting, Abstracts with Program*.
- Earth Educators' Rendezvous
 - Was lead facilitator for the "Preparing for an Academic Career" MTW workshop
 - Led the round-table discussion "Implicit Bias" Tuesday afternoon
 - Organized a Wednesday-evening training for Traveling Workshop facilitators on bystander intervention

Liaison:

- AESS workshop on Energy, Earth, and Environmental Education (E4), June 26, 2019, University of Central Florida
- AAAS Sea Change project

Other activities relevant to NAGT:

- Member of the Geoscience Faculty Survey research team
 - Published manuscript:
 - **Riihimaki, C. A.**, and Viskupic, K. (2019), Motivators and inhibitors to change: why and how do geoscience faculty modify their course content and teaching methods, *Journal of Geoscience Education*.
 - Helped to write a call for proposals for a special JGE issue on studies of large-scale communities, and am now serving as an associate editor for the issue
- Completed a classroom observation for the Classroom Observation Project
- Vice-chair of the Traveling Workshop Program management team
 - Helped finalize upcoming workshops and facilitators
 - Began drafting management team policies
 - Led a new collaboration with ADVANCE-Geo
- Member of the NAGT Advocacy Committee

Goals for next reporting period:

- Complete NAGT Ethics documents
- Complete JGE special issue on large-scale research
- Further collaboration between TWP and ADVANCE-Geo
- Become chair of the NAGT Advocacy Committee

**NAGT Annual Report
Fall 2019
John Taber
Councilor-at-Large, 2016-2019
Report prepared 8/21/19**

NAGT Executive Committee work:

- meetings attended
 - GSA Annual Meeting in Indianapolis, November 4, 2018 (Face-to-Face ExComm Meeting) virtual attendance
 - February 12, 2019 (virtual ExComm Meeting)
 - Northfield, MN, March 14 - 16, 2019 (Face-to-Face ExComm Meeting)
 - July 8, 2019 (virtual ExComm Meeting)
 - July 26, 2019 (virtual ExComm Meeting)
- NAGT representative on the GSA Joint Technical Program Committee for the 2019 GSA meeting
 - Reviewed and approved education sessions before abstract submission
 - 3 Pardee sessions, 11 education sessions and 4 short courses will be sponsored or co-sponsored by NAGT
 - Assisted in populating and organizing sessions in July 2019
- Chair, ITT editor search committee
 - Ads placed, discussions held with potential applicants, search ongoing, application deadline 9/6/19

NAGT Council work:

- meetings attended
 - November 4, 2018 (GSA), virtual attendance
 - April 15, 2019 (Virtual Council Meeting)

NAGT Committee work:

- Neil Miner Award selection committee

Liaison activity: Eastern Section

- meetings
 - Annual Eastern Section meeting and field trips held in Martinsburg, WV, June 6-8, 2019 (I didn't attend)
- significant accomplishments of division/section
 - Newsletters:
 - Volume 68, Issue 4, Fall 2018
 - Volume 69, Issue 1, Winter 2019
 - Volume 69, Issue 2, Spring 2019
 - Volume 69, Issue 3, Summer 2019

Conference/meeting participation:

- GSA Annual Meeting, Indianapolis, Nov 2018
 - NAGT & GSA Geosci Ed Div Awards luncheon
 - Geoscience Educators reception
 - IRIS booth
- AGU Annual Meeting, Washington, DC, Dec 2018
 - Author or co-author on 3 presentations
 - IRIS booth
- AAAS Family Science Days, Washington, DC, 2/16/19-2/17/19
- NSTA annual conference, April 2019, St. Louis
 - IRIS booth and two PD sessions
- Earth Educators' Rendezvous, Nashville, TN, 7/18/19-7/19/19
 - Provided IRIS resources table
 - Met with potential ITT editor

Other activities relevant to NAGT:

- Co-editor with Dave Gosselin and Anne Egger for InTeGrate compilation: Interdisciplinary Teaching about Earth and the Environment for a Sustainable Future, AESS Interdisciplinary Environmental Studies and Sciences Series. Springer Nature, Switzerland. DOI 10.1007/978-3-030-03273-9.
- InSight mission landing outreach activities (seismometer on Mars), Washington, DC, 11/26/18
- Led Urban and environmental geophysics course planning workshop, Tampa, FL, 6/4/19-6/5/19
 - https://www.iris.edu/hq/workshops/2019/04/urban_environmental_geophysics_course_planning_workshop
 - The workshop goals included developing a list of potential learning goals and content topics for an introductory urban and environmental geophysics course designed to attract a more diverse group of students

NAGT Annual Report
Fall 2019
(Joshua Villalobos)
(Councilor at Large)
Report prepared 10/22/18)

NAGT Executive Committee work:

- meetings attended:
- GSA Annual Meeting in Indianapolis, November 4, 2018
NAGT ExComm meeting
- February 12, 2019 (virtual ExComm Meeting)
- Northfield, MN, March 14 - 16, 2019 (Face-to-Face ExComm Meeting)
- July 26, 2019 (virtual ExComm Meeting)

NAGT Council work:

- November 4, 2018 GSA

Liaison activity:

- No work has been done regarding GSA field camp scholarships
- opportunities & concerns- None

Conference/meeting participation:

- GSA 2018 Annual Meeting
 - NAGT awards ceremony
 - Educators reception

Other activities relevant to NAGT:

- Co-PI on two NSF (REU and IMPACTS) projects:
- Research Opportunities for Community College Students (ROCCS) and Service Learning Activities Targeting Earth Science (SLATES)
- Both programs are geared to engage 2YC students both nationally and locally in the geosciences. These programs emphasize the importance of both research and community knowledge to help build a sustainable and educated student population for the geosciences.
- TWP co leader University of Hawaii (Nov 31st –Dec 1st) 2018
- TWP co leader Diversity Workshop University of Illinois at Chicago (April. 4-13th) 2019

Upcoming Activities

- Committee work on Texas Higher Education Coordinating Board for work on the sciences courses in Texas

Goals for next reporting period:

- Continue to promote the role of 2YC in higher education
- Broaden the discussion with 4YC on the challenges we are facing with the lack of minorities in the geosciences

NAGT - Central Section

President's Report

May 2020

It has been a chaotic year for the Central Section of NAGT. Following some confusing changeovers in leadership, a failure to replace executive board positions, and a general lack of communication amongst the e-board, the Central Section has not made significant progress in its goals. Thanks to the diligence of Susan Wolf (who actually isn't even on the e-board), one area that we have been consistent in is selecting OEST award participants. Below is the report of last year's (2019) recipients with descriptions.

Although we've had a rocky few years, I plan to make an effort to restore some focus and direction to the central section, as well as fill out our executive board. One of my agenda items will be to build on a recent opportunity I had to attend the SAGE 2YC Conference hosted by Waubonsee College last fall. There I presented on Augustana College and had the opportunity to brainstorm ideas to recruit transfer students. I plan to continue to build these relationships and will make this a focus of my efforts in the coming year.

Sincerely,



Kelsey M. Arkle
President,
Central Section, NAGT

OEST REPORT - 2019

Your section name: Central Section

Number of individual nominations submitted: 5 nominations were submitted

Number of teachers who submitted applications to be considered for the award after being nominated: 5 (Central Section requires both a nomination and an application)

Of the 5 nominations for 2019 Outstanding Earth Science Teacher for the Central Section, two were self-nominations, one nomination was from a former student, one nomination was from a fellow teacher, and one nomination was from an administrator. Of the five nominations, five teachers followed up with applications to be considered for the NAGT award, and from those five, the Central committee chose one Section Awardee and four State Awardees.

Name of awardee(s) for the awards made (Section or State):

Dr. Michael J. Smith --NAGT's Central Section OEST 2019 winner (from Ohio)

Michael Koenig--NAGT's Ohio State OEST 2019 winner

Jill Holz--NAGT's Minnesota State OEST 2019 winner

Sarah Geborkoff -- NAGT's Michigan State OEST 2019 winner

John Hesser -- NAGT's Indiana State OEST 2019 winner

I emailed with each principal, sent press releases to state science teacher associations and superintendents, and worked with each principal to get these outstanding teachers recognized through school board meetings, local newspapers, school and district websites and Facebook pages. All plaques are ordered. Mike Wolf issued checks for \$500 for the section winner and \$100 for each state winner and these have been mailed to the awardees. I will follow-up with each award recipient to remind them to send in bios and photos by the NAGT June 1 deadline.

Details about each winner:

The Central OEST committee chose Michael J. Smith, (msmith@us.edu) high school science teacher at The University School in Hunting Valley, Ohio, as the **NAGT Central Section OEST 2019 winner**. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Dr. Smith's commitment to hands-on, inquiry based learning including data interpretation within his geoscience courses, and his ability to get students into the field on campus, on local field trips and on his upcoming week-long summer field course. In addition, the multiple testimonials by former students gave the committee a clear picture of his passion for earth science teaching and his dedication to his students and the profession.

The Central OEST committee chose:

Michael Koenig

(MKOENIG@gcswave.com) is an earth science teacher at Greenville Senior High School, in Greenville, Ohio as the **NAGT Ohio OEST state winner for 2019**. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Mr. Koenig's development of rigorous hands-on earth science labs which enable students to understand challenging geologic processes by building working models, and his commitment to getting his students out into the field to experience earth science, firsthand.

The Central OEST committee chose **Jill Holz** (jill.holz@wayzataschools.org), science teacher at Wazata High School in Plymouth, Minnesota as the **NAGT Minnesota OEST state winner for 2019**. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Ms. Holz's development of rigorous inquiry-based earth science labs, enabling high schoolers to tackle challenging college-level geologic questions, and her commitment to getting her students out into the field and exposing them to the business side of geology.

The Central OEST committee chose **Sarah Geborkoff** (sgeborkoff@houghton.k12.mi.us), earth and general science teacher at Houghton Middle School, Houghton, Michigan as the **NAGT Michigan OEST state winner for 2019**. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Ms. Geborkoff's year-long, themed, place-based earth science project, her incorporation of student fieldwork and student service, and her ability to network, partner and collaborate with local universities, scientists and organizations.

The Central OEST committee chose **John Hesser** (hesserj@myips.org), science teacher at Harshman Magnet Middle School, in Indianapolis, Indiana as the **NAGT Indiana OEST state winner for 2019**. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Mr. Hesser's innovative instructional strategies incorporating movement and choice into his earth science teaching.

National Association of Geoscience Teachers

Eastern Section Report (2019)

President: Michael O'Donnell, Blue Ridge Community & Technical College (BRCTC), 13650 Apple Harvest Dr., Martinsburg, WV 25403; modonnell@blueridgectc.edu or modonnell@lfcc.edu

Vice-President: Christopher Roemmele, Department of Earth and Space Sciences, 225 Marion Science Center, West Chester University, West Chester, PA 19383, croemmle@wcupa.edu

Treasurer: Renee Aubrey, 1179 Glen Rd., Shrub Oak, NY 10588; raubry@outnet.com

Editor: Callan Bentley, Northern Virginia Community College, 8333 Little River Turnpike, Annandale, VA 22003; work—(703) 323-3276; cbentley@nvcc.edu

Archivist: Steve Lindberg; home—(814) 539-7723; minerlight@atlanticbb.net

Past President: Jason Petula, Millersville University, 221 Stayer Hall, 51 Lyte Street, Millersville, PA 17551; (717) 872-3422; jpetula@millersville.edu

2nd Vice-President: Deb Hemler, Coordinator of Geoscience Education, Fairmont State

University, 1201 Locust Avenue, Fairmont, WV 26554; 304-367- 4393;

dhemler@fairmontstate.edu

Secretary: Vacant

Publicity Chairperson: Vacant

NAGT Geo2YC Representative: Rich Gottfried; Department of Science, Frederick Community College, 7932 Opossumtown Pike, Frederick, MD 21702; work—(301) 846-2581; home—(540) 822-5561; RGottfried@frederick.edu

Annual Section Meeting

The NAGT-ES held the annual meeting June 6-8, 2019 at Blue Ridge Community & Technical College in Martinsburg, WV. 25 eastern section members attended the meeting, co-hosted by Callan Bentley of NVCC and Mike O'Donnell of BRCTC.

Thursday evening, Wendy Bohon, from I. R. I. S., gave a talk about use of social media to get out the word on geosciences.

There were several excellent presentations on Friday morning at BRCTC. Callan Bentley presented geologic drawings, Russ Kohrs presented on VFE, Wendy Bohon gave us a peak inside I. R. I. S. tools, and Mike Passow presented on JOIDES Resolution and use of the oceanographic data they generate.

Friday afternoon saw a split of the group with the majority learning about the geology of Harpers Ferry National Historic Park presented by Beth Doyle, NVCC and a smaller group paddled on the Potomac River for a water level view of geology.

Saturday saw another split of the group. One half left with Callan and Beth to explore the geology of Corridor H in WV. The other half had an enlightening day with Dan Doctor, USGS, learning about the karst of the Shenandoah Valley, VA.

Saturday evening was the awards banquet with Andrea Mangold, OEST from Pennsylvania the only awardee in attendance. Karen Kortz from the Community College of Rhode Island was the key not speaker discussing misconceptions students have in the geosciences and how we, as educators, can combat these misconceptions.

Looking Forward

West Chester University of Pennsylvania will host the annual meeting and awards banquet tentatively on the first weekend in June 2020. Chris Roemmle is planning as this report is being written.

Awards

Eastern Section – and Virginia OEST –
Christopher Bowring, Rockbridge County HS,
Lexington, VA

Quotes from his students –“Mr. B has a level of enthusiasm and innovation in teaching and combines it with a high level of knowledge that is very rare.” “He would draw scenes on the board and start a creative writing story with a few lines, which we could learn from and expand upon to explain either a particular theory, or geological process, or feature.” Christopher is well known for his ability to integrate art in his classroom presentation and story-writing, and reaching a wider range of students with the ability to understand and remember geological and earth science concepts. He takes his students on longer-term field excursions not just locally but even to the Rocky Mountains and other western park areas. He developed an informational video on flooding in the Great Valley of Virginia for the Rockbridge Area Conservation Council. Consulting on local geology, mentoring student research and travel projects, volunteer tutoring for non-traditional GED students also occupy Christopher’s time.

New Jersey OEST – Matthew Fichter, Hillside
Middle School, Cranford, NJ

Matthew’s passion for earth science teaching is evidenced in programs which he developed like his “Scientists Skype Series” to introduce his students to working scientists in the field, and “Sustainability Shark Tank” where students develop sustainable alternative to everyday products. His use of gaming, including STEM ed (a science version of Chopped) excites and motivates his students about scientific phenomena. Matthew also coaches the Environmental Club and has received grants for bringing in portable planetariums and for supplies for the student-driven sustainability projects, one of which is the school rain garden.

New York OEST – Christine Scavone, School by
the Sea, Far Rockaway, NY

Christine is known in her school to infuse science and social studies lessons and as well as gaming, seminars, and community partnerships. She works with the Rockaway Waterfront Alliance and developed the student run Marine Debris Plastics program to reduce plastic waste in our water bodies. She received the Jane Goodall Grant, and has had her classes partner with classes at NYU and various national and state parks.

Pennsylvania OEST – Andrea Mangold, Holland

School, Council Rock School District, Newtown,
PA

Andrea is a NASA-JPL Solar System Ambassador, CASIS Space Station Ambassador, and Space Foundation Teacher Liaison. She developed curriculum for the International Space Station and Curiosity STEM programs, and National Park Service park ranger collaboration program. A member of GSA and NAGT, she regularly attends workshops to continue to feed her knowledge on earth and space science and develop curriculum for special needs students.

West Virginia OEST – Angela McKeen, Notre
Dame HS, Clarksburg, WV

Dr. McKeen teaches Earth and Space Science, AP Environmental, physics and a hands-on STEM course, and adjuncts at Fairmount State. Using argumentation, high-level critical thinking, reciprocal teaching, and note sharing in her classes is a regular occurrence. Field trips and interactions with professional working scientists are also a part of her teaching routines. Active in NAGT and WV Science Teachers Association, Dr. McKeen continues to lead – and attend – workshops to share her knowledge and passion for teaching and teaching earth science, evidenced by her curriculum development for the WV Geological Survey education program, and leading and judging local, state, and regional science fairs.

NAGT – Far Western Section 2019 Report

September 2019

Submitted by Mark Boryta

Leadership 2018-2019: (leadership terms are 2 yrs)

President: Mark Boryta mboryta@mtsac.edu

1st Vice-President: Paul Troop paul.troop@sbcglobal.net

2nd VP/Newsletter editor (continuing): Richard Jones rmjones7@hawaii.edu

Secretary/Treasurer (continuing) Gene Pearson epearson@pacific.edu

Scholarship Coordinator and contact for OESTA: Craig Poole craig.poole@fresnocitycollege.edu

Past President: Winnie Kortmeier winnie.kortemeier@wnc.edu

The good news is that the FWS was proud to select two OEST awardees this year!

Sergio Alba was selected to win the Section Award, and Kevin Lesback was selected for the CA State OEST Award. Their bios are on the NAGT OEST awards page.

The bad news is that we needed a change in leadership, and that change did not go as smoothly as we could have hoped. Virtual meetings were productive, but we have not been able to host events in 2018-2019. This will change in 2019-2020, as members are restless for the fantastic opportunities that our traditionally robust section has offered in the past. Field conferences are in the planning stages for another visit to the eastern Sierras, as well as another to the Peninsular Ranges of southern CA. Stay tuned!

**National Association of Geoscience Teachers
Far Western Section
Treasurer's Report
2018-2019**

Opening Balance (8/31/2018) \$26,591.78

Income

Field Conference Registration	\$ 0.00
Field Guide Purchases	\$ 547.11
National Dues	\$ 567.50
Bank Interest	\$ 5.31

Total Income \$1119.92

Expenses

Field Conference Expenses	\$ 0.00
Postage/Mailers	\$ 130.12
Web Site	\$ 102.26
California Sales Tax	\$ 53.36
Scholarships	\$1500.00

Total Expenses \$ 1785.74

Closing Balance (8/31/2019) \$25,925.96

Tri Counties Bank, Modesto, CA

Section officers:

Aida Farough, President

Michael DeAngelis, Vice president

Brendan Hanger, Secretary/Treasurer

From hereon referred to as “We”.

- 1) We sponsored an NAGT social at GSA joint sectional meeting 2019 in Manhattan, KS, with close to 50 participants.
- 2) We lead and volunteered at the NAGT booth at the GSA joint sectional meeting 2019 in Manhattan, KS.
- 3) We helped cumulating student presentation scores and awards at the GSA joint sectional meeting 2019 in Manhattan, KS.
- 4) We co-sponsor a session at GSA joint sectional meeting 2019 in Manhattan, KS:

- **T15. Innovative Approaches to Broadening Student Geoscience Experiences across the Midcontinent.**

Cosponsored by GSA Continental Scientific Drilling Division, National Association of Geoscience Teachers (Mid-Continent). **Organizers:** Liane Stevens, Stephen F. Austin State University; Michael DeAngelis, University of Arkansas–Little Rock.

- 5) We distributed 2 newsletters (1 of which was a special call)
 - We distributed the by-laws of the section to our members through the newsletter
 - We distributed a special call for Midcontinent OEST
- 6) We attended and represented the Midcontinent Section at the NAGT Council meeting at GSA 2018 in Indianapolis, IN.
- 7) We volunteered at the NAGT booth in GSA 2018 in Indianapolis, IN.
- 8) We contributed to EER 2019:

- Brandon Hanger: Evaluation Co-Chair, Morning Workshop Leader, Roundtable Discussion Leader, Activity Review Camp Participant
 - Aida Farough: Teaching Demonstration Session chair, Poster presenter, GEODE workshop participant
 - Michael DeAngelis: Activity Review Camp Participant
- 9) Sections co-sponsored by Midcontinent NAGT at the 2020 GSA South-Central Meeting in Fort Worth, Texas, on March 9-10, 2020. The two sessions are:

Strengthening Student Engagement, Inclusion and Learning in the Geosciences, K-Higher Ed

- Improving student engagement, inclusion and learning are at the forefront of many educators' and administrators' minds, and key to increasing enrollment in the geosciences. This session welcomes submissions on any topic related to improving geoscience education or outreach, at any level from K-Higher Education. **Organizers:** Brendan Hanger, Aida Farough, Liane Stevens and Wendi Williams

Hands-on Teaching Demonstrations in Geoscience Courses

- This is a geoscience education session that highlights innovative teaching practices through audience participation. Authors will present micro-demonstrations of effective teaching activities that illustrate geologic concepts in geoscience courses. Presentations should have an audience-participation component. Assessment results and reflections on effectiveness are encouraged. **Organizers:** Michael T. DeAngelis and Rene A. Shroat-Lewis

Section/Division Financial Statements

Name of Section/Division Mid-Continent Section

Year Ending 7/31/19

Bank Information

Bank Name & Location University & Community Federal Credit Union, Stillwater, OK

Type of Account Checking

Please fill out the following information

Print Form

RESET FORM

Bank Account	Current Year	Previous Year
Beginning Balance	\$ 87.56	Beginning Balance \$ 0.00
Ending Balance	\$ 99.89	Ending Balance \$ 87.56

Income	Current Year	Previous Year
National Dues	\$ 160.00	\$ 132.50
Interest		
Field Guides/Publications		
Initial Deposit by B. Hanger		\$ 25.00
Other (Please specify)		
Total	\$ 160.00	\$ 157.50

Expenses	Current Year	Previous Year
Awards		
Meetings/Conferences		
Bank Fees	\$ 30.00	\$ 27.00
GSA South Central Social - food - Blue Moss - Manhattan	\$ 117.67	
Checkbook & Reimbursement		\$ 37.94
Total	\$ 147.67	\$ 64.94

Summary	Current Year	Previous Year
Beginning Balance	\$ 87.56	\$ 0.00
Income	\$ 160.00	\$ 157.50
Expense	\$ 147.67	\$ 64.94
Ending Balance	\$ 99.89	\$ 92.56
Ending Balance from Above	\$ 99.89	\$ 87.56
Difference	\$ 0.09	\$ 5.00

**if there is a discrepancy, please state why below:

In 2018 \$5.00 was transferred a savings account that is needed to have checking account with the institution. Current balance of savings account is \$5.00. for 2019, my calculations show a \$0.00 discrepancy, not \$0.09

NAGT – New England 2019 Report

August 2019

Submitted by T. Weiss

Leadership 2018-2019: (leadership terms are now 2 yrs.)

President, Tarin Weiss tweiss@westfield.ma.edu

Vice President 1, Melissa Lombard melissalombard@alum.rpi.edu

Vice President 2, Susan Meabh Kelly susankelly.ct@gmail.com

Secretary/ Newsletter, Richard Little RDLITTLE2000@aol.com

Treasurer, Steve Winters science_matters@yahoo.com

Past President/OESTA Chair, Lori Weeden Lori_Weeden@uml.edu

Counselors, Tom Vaughn vaughn17@comcast.net, Karen Kortz kkortz@ccri.edu

2018-2019 Events:

The NAGT-New England Annual Meeting November 10, 2018 (held in conjunction with the Gem and Mineral Show at Greenfield Community College), Greenfield, MA

Theme of Day: Celebrating the past, present & future of the Connecticut River Valley

Highlights:



*Richard Little introduces guest speakers at the November 2018 annual meeting at GCC.
(photo: T. Vaughn)*

- 2019 OESTA Award Presentation to Melanie Cutler
- The Hole Truth: The stories behind Meteorite Craters (Peter Scherff)
- From Fossils to Feathers: The Dinosaur-Bird Connection (Steve Winters)
- GCC's Geology Path Tour presentation (GCC Professor Emeritus Richard Little)
- Walking Tour of Turners Falls Geology (Steve Winters)
- Gems, Rocks & Fossils Show & Sale
- Jurassic Roadshow
- NAGT-New England lunch and business meeting

Note: The Fall 2019 annual meeting (2019) is in the planning stages.

The GSA Northeastern Section 54th Annual Meeting, March 2019, Portland, ME



(photo: GSA website)

NAGT-New England hosted a theme session at the 2019 GSA Northeastern Section's 54th Annual Meeting in Portland, ME. The session, chaired by Tarin Weiss and Lori Weeden, was titled *T4. Best Practices in Geoscience Education*. The engaging oral and poster presentations resulted in lively discussions full of engaging ideas for immersing students in meaningful science learning experiences. NAGT also hosted a lunch meeting to continue discussions of teaching and learning and, joining forces with colleagues from NAGT-Eastern Division, to make plans for our presence at the March 2020 GSA Northeastern section meeting in Reston, Virginia.

An Earth Educators Rendezvous (July 15-19 in Nashville, TN) Presentation: *Beyond the 3 Dimensions: Integrating Identity and Interest in NGSS Geoscience Investigations*

Susan Meabh Kelly (Connecticut State Department of Education) presented her research related to the NGSS and student identity/interest at the EER in Nashville. Presentation abstract: A Framework for K-12 Science Education (National Research Council, 2012) outlines research-informed ways to support more equitable engagement in science learning. This research suggests students should have opportunity to investigate issues of personal and community relevance, leveraging the diverse knowledge and skills they possess. In this way, science activities elicit and build upon students' prior interests and experiences, fostering students' identity as competent learners of science. This session outlines two high school geoscience investigations that are designed to fully reflect the framework's vision of "science for all".

A Professional Development Workshop for K-12 Teachers, July 22 & 23, University of Massachusetts – Lowell

The workshop, *Incorporating Climate Change into Your Classroom*, was sponsored by the University of Massachusetts-Lowell's Climate Change Initiative (CCI), and supported by NAGT-New England Division. Lori Weeden organized the well-attended and engaging workshop for 25 teachers interested in learning more about climate change. On Day 1, Lori and members of the CCI interdisciplinary team overviewed the science of climate change (why it matters, snow days in a warmer world) and focused on the following topics: climate change through food, place-based activism, energy and engineering solutions, and the intersection of politics, power, and climate change. Two students presented their climate-related works; *Can We Drag an Iceberg to the Equator to Fix Climate Change?* (undergraduate project) and *No More Fossil Fuels!* (8th grade science fair project). Day 2 immersed teachers in the *World Climate Model UN Exercise with Climate Solutions*, which "provides an interactive role-play experience through which participants [explore the dynamics and geopolitical implications of climate change] using a scientifically sound climate policy simulation model" (<https://www.climateinteractive.org/wp-content/uploads/pdfs/World-Climate-final-ms-131111.pdf>). The simulation was impressive and impactful! Teachers were able to receive 10 pdps for the 2 day workshop and highly rated their experiences



Upcoming Events

Wild & Scenic Westfield River Committee's Watershed Blitz, September 28, Cummington, MA

As part of the Watershed Blitz, Tarin Weiss is leading a geology hike focusing on the geologic history and bedrock of the Westfield River in the Cummington area. NAGT members welcome to attend (there is small fee for the Wild & Scenic Westfield organization). For more information about the Blitz and the hike, contact the organizer Meredyth Babcock (westfieldriver@gmail.com).

A NAGT-New England sponsored theme session at the Geological Society of America's Joint Annual Southeastern/Northeastern Section Meeting, March 20-22, 2020, Reston VA

Tarin Weiss and Lori Weeden are presiding over a geoscience education-themed session titled *Active Learning and the Use of Technology in the Geoscience Classroom* at the 2020 GSA-SE/NE section annual meeting.

Session description: With today's focus on active learning in the STEM classroom it is imperative to try out and use a variety of teaching approaches that promote student interaction and engagement. The use of technology to accommodate successful learning is key to this effort. In this session, a range of effective technology-infused learning strategies for the geoscience classroom will be shared in order to stimulate our understanding of how to increase meaningful student learning with the use of online tools, gadgets, and instruments.

Abstracts for the session are due December 10 (visit https://www.geosociety.org/GSA/Events/Section_Meetings/GSA/Sections/se/2020mtg/home.aspx).

People of Note

Thank you Julia and Steve! Julia Daly (University of Maine - Farmington) turned over the role of NAGT New England division treasurer to Steve Winters this winter. Julia's over a decade-long tenure in this position has been much appreciated and little recognized. Thank you Julia for your years of service and Steve for stepping in and taking over this critical post.

Welcome Susan! VP#2

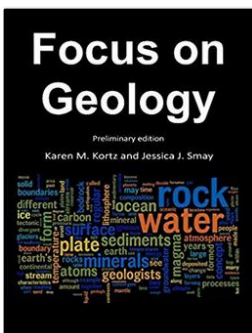
Susan Meabh Kelly (VP#2), a high school science teacher in Danbury, Connecticut, (certifications in Earth Science, General Science, and Physics) joined our executive committee last fall, bringing a wealth of science education knowledge and energy to our group. She is experience with many agency-sponsored teacher-research efforts (e.g. NASA/GISS NYCRI, NASA/JPL Spitzer Research Program for Teachers), has served as New England Director of the National Earth Science Teachers Association since 2016, and is a member of the NAGT Teacher Education and Geoscience Education Research groups. She has also convened sessions dedicated to partnership work at AGU and GSA and recently founded the science + education collaboratory (introduced at 2018 Earth Educators' Rendezvous).

NAGT 2018 Outstanding Earth Science Teacher Award NE Section Winner - Melanie Cutler

Melanie Cutler has been teaching Environmental Science and Biology at Andover High School for 14 years. She has a BS in Biology from Bates College and a Master of Environmental Management degree from the Yale School of Forestry and Environmental Studies. Her true passion is teaching Environmental Science, especially focusing on the positive actions that we humans can take to improve our environment. In her Environmental Sustainability Internship Course, each student is paired with a community member to work on a project that improves sustainability in their town. In addition to teaching, Melanie also advises the school's Environmental Club, started the AHS Sustainable Garden Project, and is a member of the town's Green Advisory Board.



Lori Weeden (OESTA Chair) presents Melanie Cutler with the 2019 NAGT OESTA award at the November 2018 annual meeting at Greenfield Community College. (photo: T. Vaughn)



First Edition of textbook **Focus on Geology**

Last March, Karen Kortz (Rhode Island Community College) and Jessica Smay (San Jose City College) announced the publication of their textbook, Focus on Geology. Their textbook was written and organized based on cutting edge research into how students learn geoscience. Congratulations to Karen and Jessica!

Section/Division Financial Statements

Name of Section/Division _____

Year Ending _____

Bank Information

Bank Name & Location _____

Type of Account _____

Please fill out the following information

Bank Account	Current Year	Previous Year
Beginning Balance		Beginning Balance
Ending Balance		Ending Balance

Income	Current Year	Previous Year
National Dues		
Interest		
Field Guides/Publications		
Total		

Expenses	Current Year	Previous Year
Awards		
Meetings/Conferences		
Bank Fees		
Total		

Summary	Current Year	Previous Year
Beginning Balance		
Income		
Expense		
Ending Balance		
Ending Balance from Above		
Difference		

**if there is a discrepancy, please state why below:

NAGT Pacific Northwest Section 2018-19 Annual Report

A. Current Section Officers

a. Executive Officers

President

Hillary Goodner – Yakima Valley College, Yakima, WA 98902, hgoodner@yvcc.edu

Vice-President

Derek Turner – Douglas College, Vancouver, BC, turnerd1@douglascollege.ca

2nd Vice-President

Craig Nichol – University of British Columbia, Kelowna, BC, Craig.Nichol@ubc.ca

Secretary-Treasurer

Eriks Puris – Portland Community College, Portland, OR 97217, eriks.puris@pcc.edu

Past President

Frank Hladky – 3225 Washington Avenue, North Bend, OR 97459, fhladkys@gmail.com

b. Communications

Newsletter Editors

Andy Buddington, Spokane Community College, Andy.Buddington@scc.spokane.edu

Frank Hladky, North Bend, Oregon, fhladkys@gmail.com

Website Coordinator

Frank Hladky, 3225 Washington Avenue, North Bend, OR 97459, fhladkys@gmail.com

c. State-Province Councilors

Alaska

Sonia Nagorski, University of Alaska, Juneau, sanagorski@alaska.edu

LeeAnn Monk, University of Alaska, Anchorage, lamunk@alaska.edu

Idaho

Shawn Willsey, College of Southern Idaho, swillsey@csi.edu

(second position open)

Oregon

Hal Wershow, Central Oregon Community College, hwershow@coocc.edu

Steve Carlson, Portland State University, nativelement@me.com

Washington

Nick Zentner, Central Washington University, nick@Geology.cwu.edu

Andy Buddington, Spokane Community College, andy.buddington@scc.spokane.edu

British Columbia

Todd Redding, UBC Penticton, tredding@okanagan.bc.ca

(second position open)

d. Awards

OEST Awards Coordinators

Lynda Sanders, Marshfield HS, S. 10th and Ingersoll, Coos Bay, OR 97420,

LyndaS@coos-bay.k12.or.us

Jodie Harnden, Sunridge Middle School, 700 SW Runnion Ave, Pendleton, OR 97801,

Jodie.Harnden@pendleton.k12.or.us

B. Reports

i. Annual Business Meeting

The business meeting of annual conference of the NAGT Pacific Northwest Section was held Tuesday, June 25th during the annual conference at Okanagan College. NAGT members attending were Eric Baer, Jennifer Barson, Maija Brown, Andy Buddington, Steve Carlson, Hugh Cowan, Ralph Dawes, Terence Day, Hillary Goodner, Andy Hilt, Frank Hladky, Duncan Johannessen, Karl Lillquist, David Nelles, Craig Nichol, Leanne Pyle, Todd Redding, Gina Roberti, Philip Schmitz, Jacob Selander, Suki Smaglik, Michelle Stoklosa, and Derek Turner. The next annual meeting was discussed; the host will be Phillip Schmitz of Blue Mountain Community College, in Pendleton, Oregon. At the meeting, nominations for officers were solicited from the section by private ballot. Derek Turner expressed availability to serve as section vice president with Craig Nichol expressing availability to serve as 2nd vice president. Hillary Goodner advanced to president with Frank Hladky moving to past president. A summary of the section's officer is shown in part A, above. As of the latest available figures, June 6, 2019, the section membership count was 150.

ii. 2018 OEST Awards

- State (Oregon):
 - Jim Hartmann
- State (Washington)
 - Alice Ryan
- State (Alaska)
 - Renee Drummond
- PNW Region:
 - Renee Drummond

C. Annual Activities/Functions

a. Events Sponsored by Pacific Northwest Section NAGT 2018-19

The NAGT PNW Annual Conference, was held June 25-27, 2019, at Okanagan College, Penticton, British Columbia hosted by Todd Redding (Okanagan College), with coordinating help by Hillary Goodner (YVC). Twenty three registrants and six volunteers participated, most are NAGT members.

The conference schedule was as follows:

1. Tuesday, June 25: Conference and Annual Business Meeting, Okanagan College
2. Wednesday, June 26: Field Trip – Okanagan Valley north of Penticton
3. Thursday, June 27: Field Trip – Okanagan Valley south of Penticton

The section website has moved to <https://nagt.org/nagt/sections/northwest/index.html>

The section newsletter is produced by Andy Buddington and Frank Hladky. Newsletters collect information from section officers & members at large, and are distributed electronically, and are available at: <https://nagt.org/nagt/organization/northwest/news.html>

b. Planned 2020 Activities

- Future conferences: **2020 Annual Conference, Blue Mountain Community College, Pendleton, OR.**

D. Financial Report, NAGT Pacific Northwest Section

Form 990 was e-filed with the IRS on an unknown for the 2018 tax year.

The section 2018 financial report for the year ending August 31, 2019 can be found separately.

Section/Division Financial Statements

Name of Section/Division NAGT Pacific Northwest Section

Year Ending 7/31/19

Bank Information

Bank Name & Location Banner Bank, 10 South First Ave, Walla Walla, WA 99362

Type of Account Checking

Please fill out the following information

Print Form

RESET FORM

Bank Account	Current Year	Previous Year
Beginning Balance	\$ 15,882.00	Beginning Balance \$ 14,780.35
Ending Balance	\$ 14,386.70	Ending Balance \$ 15,882.00

Income	Current Year	Previous Year
National Dues	\$ 392.50	\$ 790.00
Interest	\$ 7.18	\$ 7.44
Field Guides/Publications		\$ 20.00
Other (Please specify)		\$ 2,325.00
Other (Please specify)		
Total	\$ 399.68	\$ 3,142.44

Expenses	Current Year	Previous Year
Awards	\$ 200.00	\$ 150.00
Meetings/Conferences	\$ 1,479.00	\$ 1,763.50
Bank Fees		
Other (Please specify) WebHosting	\$ 65.98	\$ 72.29
Other (Please specify) booth PDX	\$ 150.00	\$ 55.00
Total	\$ 1,894.98	\$ 2,040.79

Summary	Current Year	Previous Year
Beginning Balance	\$ 15,882.00	\$ 14,780.35
Income	\$ 399.68	\$ 3,142.44
Expense	\$ 1,894.98	\$ 2,040.79
Ending Balance	\$ 14,386.70	\$ 15,882.00
Ending Balance from Above	\$ 14,386.70	\$ 15,882.00
Difference	\$ 0.00	\$ 0.00

**if there is a discrepancy, please state why below:

Southeastern Section of NAGT
2019 Annual Report
Melissa Hage

I. Leadership Updates

I, Melissa Hage, was elected president of the section in March of this year. Our VP, Jen Bauer, will be leaving the section to take a new position at the University of Michigan Museum of Paleontology. Her contributions to the section will be missed, but we wish her all the best with her new job. Unfortunately, this leaves our VP position open, in addition to our unfilled Secretary position. We are currently searching for replacements. Our full list of officers and state representatives can be found at: www.georgiarocks.us/nagt/.

II. SE GSA 2019 – Charleston, SC

The annual business meeting for the section was held as part of the SE GSA meeting in March 2019. Our activities included electing new officers, discussing additional new officers, brainstorming field trip options for the next year's meeting, OEST awards, and other outreach methods.

III. OEST Awards

We had several OEST nominations submitted through the NAGT website, as well as a number of additional nominations submitted directly to state representatives. We are thrilled to have a winner from almost every state in our section! One of my goals is to more strongly promote the 2020 OEST awards through the creation of a new section position whose main purpose is to promote and organize the entire process in our section. This is a fantastic recognition that NAGT provides to educators in our community that can show, in a small way, how much we value teachers in our community. This year's winners were:

Alabama: Ricky Conte
Florida: Maggie Paxson
Georgia: Deborah Sheppard
Mississippi: Brooke Dodd
North Carolina: Marta Toran
South Carolina: Kimberley Norris-Jones
Tennessee: Andrea Starks

This year's section winner was: Andrea Starks

IV. Other Activities

We had a booth at the Georgia Science Teachers Association Meeting in Columbus, GA, Feb. 14 – 16, 2019. We also sponsored the opening reception at the Earth Educators Rendezvous in Nashville, TN, July 15 – 19, 2019.

V. Upcoming Plans

The next SE GSA meeting will be in Reston, VA, March 20-22, and will be a joint meeting with NE GSA. We are looking forward to partnering with members of the Northeastern Section of NAGT to promote

VI. Facebook Page and Section Newsletter

Thanks to Bill Witherspoon, we have a wonderful newsletter that is distributed every March and September to our membership. To enhance our communication with geoscience educators in our region and in hopes of recruiting new members for SE NAGT, we continue to have an active Facebook page. This means of communication has allowed us to share opportunities and news to our members (and beyond) more frequently. We have 174 people following our page!

<https://www.facebook.com/National-Association-of-Geoscience-Teachers-Southeastern-Section-400556276800591/>.



National Association of Geoscience Teachers c/o Carleton College B-SERC
One North College Street, Northfield, MN 55057 • Phone 507-222-5634 • Fax 507-222-5175

Report to the NAGT Executive Committee from the Geo2YC Division

15 August, 2019

Current Division Officers

President: Joy Branlund, Southwestern Illinois College
Past President: Callan Bentley, Northern Virginia Community College
Vice President (& President-Elect): Jackie Hams, Los Angeles Valley College
Secretary/Treasurer: Gretchen Miller, Wake Tech Community College (replaced Wendi J. W. Williams, South Texas College, who resigned August 2, 2019)
Newsletter Editor: Suki Smaglik, Yakima Valley Community College
Webmaster: Chris Johnson, Salt Lake Community College
Archivist: Peter Berquist, Thomas Nelson Community College

Geo2YC is in its eighth year as a division of NAGT. We currently have 264 members in the division, having gained 52 new members since last year and lost 75 to attrition. Our account balance is \$7,915.05, currently residing with NAGT HQ.

Below is a summary of activities completed and/or in progress:

1. The Executive Board opted to switch from quarterly to monthly meetings (via teleconference) to better discuss ongoing projects, brainstorm solutions to problems, and share Geo2YC related news. We met five times between November and August, although we only had a quorum for three of those meetings.
2. The Long-Range Planning Committee is working to ensure continuity in the Division. For example, they are planning to re-execute a survey of Geo2yc faculty that was completed years ago and investigate changes relevant to our members.
3. The Executive Board reviewed the Bylaws for the first time since the Division's founding. Some revisions have been proposed, including formalizing the Outstanding Adjunct Faculty Award Committee and making the Past-President a voting member of the Board. These changes will become effective in Geo2YC's next year.
4. The Executive Board drafted a budget that allows the Division to award mini-grants to help community college faculty pursue professional development. These opportunities will be announced during the annual business meeting at September's GSA.
5. We publish a quarterly newsletter, *Foundations*, which is distributed digitally through the Geo2YC website and the Geo2YC listserv. The newsletters include a variety of content, including field tips, reports from recent workshops, contributions of teaching pedagogies

for 2YC faculty, photographs of our distinctive “scale pencil” in the field, and incorporation of geoscience educational resources in the classroom, just to name a few. This year, our newsletter editor has experimented with different modes of production to streamline her job.

6. We awarded an Outstanding Adjunct Faculty Award (OAF) to three quarterly winners and one annual awardee. Each awardee is showcased in newsletters and awarded a membership to both NAGT and the division, and the annual awardee is also awarded \$750 of professional development funds provided by Pearson publishing.
7. We had a large presence at the Earth Educator Rendezvous (EER) and co-hosted a happy hour social one evening (with the Geoscience Education Research and Teacher Education divisions of NAGT). Attendance (and good conversation) was strong at this event, and participants received one of our popular scale pencils. Our sponsorship of workshops and technical sessions at GSA also helps promote the division and its mission.
8. We will be participating in the following GSA 2019 activities:
 - a. Geo2YC is a sponsor for two technical sessions, one short course and one field trip. In one of the technical sessions, we will be honoring Dr. Heather Macdonald’s contributions to geoscience in two-year colleges.
 - b. The eighth business meeting of the Division will be held Sunday, September 22nd, 2019, at 4:30pm, at GSA.
 - c. We will continue to promote the Division with the use of Geo2YC brochures and newsletters and our distinctive scale pencil, co-sponsored with NAGT national and Little River Research and Design.
9. We continue to work with members to serve as NAGT and GSA Sectional liaisons to help us identify members and promote the division at sectional, regional, and local events. We are always working to recruit liaisons.
10. Our website is continually updated. We’ve worked to store more of our records on password-protected places of our website, but need to work to make the publicly accessible website more robust. In addition, we explore ways to solidify our presence in social media, given that current officers may not readily post in Facebook (Geo2YC) or Twitter (@geo2YC).
11. We have elected
 - a. An incoming Vice-President, Sean Tvelia, from Suffolk County Community College, who will serve subsequent one-year terms as President and Past-President.
 - b. Gretchen Miller of Wake Tech Community College was elected as Secretary/Treasurer, and agreed to step in early when Wendi Williams resigned before her term ended.
 - c. Bridget James from DeAnza College was elected to serve as our new Webmaster.
12. Jackie Hams of Los Angeles Valley College will assume duties as President of the division (and Joy Branlund will transition to Past-President) at our division business meeting at GSA.

Respectfully submitted,

Joy Branlund
Southwestern Illinois College

Geo2YC Division President

Section/Division Financial Statements

Name of Section/Division Geo2YC

Year Ending 8/15/19

Bank Information

Bank Name & Location _____

Type of Account Checking

Please fill out the following information

Print Form
RESET FORM

Bank Account	Current Year	Previous Year
Beginning Balance	\$ 6,354.80	Beginning Balance \$ 5,208.45
Ending Balance	\$ 7,915.05	Ending Balance \$ 6,354.80

Income	Current Year	Previous Year
National Dues	\$ 1,929.45	\$ 1,699.27
Interest		
Field Guides/Publications		
Other (Please specify)		
Other (Please specify)		
Total	\$ 1,929.45	\$ 1,699.27

Expenses	Current Year	Previous Year
Awards	\$ 124.00	
Meetings/Conferences	\$ 245.20	\$ 345.00
Bank Fees		
Other (Please specify) - promotions		\$ 207.92
Other (Please specify)		
Total	\$ 369.20	\$ 552.92

Summary	Current Year	Previous Year
Beginning Balance	\$ 6,354.80	\$ 5,208.45
Income	\$ 1,929.45	\$ 1,699.27
Expense	\$ 369.20	\$ 552.92
Ending Balance	\$ 7,915.05	\$ 6,354.80
Ending Balance from Above	\$ 7,915.05	\$ 6,354.80
Difference	\$ 0.00	(\$ 0.00)

**if there is a discrepancy, please state why below:

Officers (2018-2019):

President – Eric Pyle, James Madison University
 Vice President – Laura Hollister, Pitman High School (Turlock, CA)
 Past President – Suzanne Metlay, Western Governors University
 Secretary/Treasurer – Peggy McNeal, Towson University
 Media Director (interim) – Suzanne Metlay, Western Governors University

Ex Officio Members (2018-2019):

NAGT Executive Committee Liaison – Kathy Ellins, University of Texas-Austin
 NSTA Liaison – Paul Adams, Fort Hays State University
 NAGT Eastern Section Liaison – Christopher Roemmele, West Chester University
 Rick Jones, NSTA Region XVI Liaison

Incoming Officers (2019-2020):

President – Laura Hollister, Pitman High School (Turlock, CA)
 Vice President – George Bartuska, Lawton Chiles Middle Academy
 Past President – Eric Pyle, James Madison University
 Secretary/Treasurer – Peggy McNeal, Towson University
 Media Director – Suzanne Metlay, Western Governors University

Goals from 2018 TED Report:

Met	Increased TED involvement in 2019 Earth Educator Rendezvous (Nashville, TN).
Partially Met	Increased TED presence and participation at GSA, NSTA, AGU, and other professional meetings.
Met	Continued collaboration with NESTA wherever possible.
Partially Met	Press forward with outreach to ASTE and other teacher education associations.
Unknown	Pay attention to possible changes in GSA Education and react as appropriate.
Met	Recruit interim media director before Steve Mattox steps down as Media Director in November 2018.
Not Met	Ad-Hoc Committee development to improve TED social media and member outreach. Focus on: - Member input regarding what makes TED distinct & worthwhile? - What TED can provide to geoscience teacher preparation programs? - What TED can provide to K-12 teachers?
Not Met	Consider working with NAGT journals (<i>Journal of Geoscience Education</i> and <i>In the Trenches</i>) to promote dissemination of research and best practices in teacher education.
TBD	NSTA/ASTE Standards 2020: continue to monitor for possible comment or activity.
Partially Met	Teacher Leader recognition standards: further development, NAGT Council approval, and TED implementation during FY19 if possible.

2019 President's Report:

Executive Summary:

- Successful collaboration with NESTA at GSA and other meetings; less successful with ASTE but attempts will continue; AGU Education participation in December 2018, with poster on teacher leader standards.
- Six \$100 travel grants and refreshment break tied to session (session) sponsorship at 2019 Earth Educator Rendezvous went well; TED also co-sponsored divisions social with 2YK and GER; Luggage Tags given as

swag to members continued. Kudos to Peggy and Laura of the ExComm for representing TED. TED was not, however, recognized in signage, nor was the division VP provided the opportunity to speak at the sponsored session.

- Opened TED ExComm meetings to larger TED membership; increased interest and participation. Gained participation from NSTA Regional Director, to augment NSTA Board member participation by Paul Adams;
- Interim Media Director Metlay provided newly formatted newsletters, sharing Facebook responsibilities with Pyle
- NSTA/ASTE submitted revised Teacher Preparation Standards to CAEP, but in a separate action, dissolved its relationship with CAEP. Opportunity exists for TED membership to serve as reviewers for separate national recognition program through NSTA. Pyle serves on Ad Hoc committee to determine feasibility of national recognition program;
- Pyle was appointed to NESTA Board of Directors, as liaison to NSTA, but also representing TED interests.
- Teacher Leader recognition standards developed and vetted; presentations made at GSA & AGU in 2018. Vetted via TED May newsletter; Seeking NAGT Council approval and implementation during FY 19-20.
- The Community Grand Challenges for Geoscience Education Research project was completed, with the publication of the specific strands and summary documents online, and an EOS article. Several members of TED were involved in this project, including strand leadership.

Financial Summary:

Beginning balance	\$2424.37 (as of 30 Sept 2018)	<u>Explanation:</u>
Main income	\$1259.22 (as of 28 Feb 2019)	Membership dues + interest
Main expenses	\$1450	EER: Travel grants, sponsorships
Ending balance	\$2833.59	

The division currently has 177 members

Attended Meetings:

- Eric Pyle attended NAGT Executive Committee meeting during GSA- Indianapolis.
- Suzanne Metlay and Kathy Ellins presented at AGU in Washington DC in December 2018, sharing draft teacher leader standards and soliciting input.
- Eric Pyle participated in ASTE-Savannah in January 2019, and NSTA Charlotte and St. Louis.
- NAGT Council Meetings: 8 October 2018, 4 November 2018, 15 April 2019
- Earth Educator Rendezvous: July 2019
- NESTA Board of Directors: 7 May 2019
- NAGT-TED Executive Board Meetings: 16 October 2018, 11 March 2019, 15 May 2019
- Next meetings: 20 August 2019, 23 September 2019 (at GSA)

TED newsletters published: May 2019, upcoming October 2019.

Goals for next reporting period (2019-2020):

(to be refined at next meeting on 8/20/19

- Greater TED involvement in 2020 Earth Educator Rendezvous
- Increase TED presence and participation at GSA, NSTA, AGU, and other professional meetings.
 - Continued collaboration with NESTA wherever possible.
 - Press forward with outreach to ASTE and other teacher education associations.
 - Pay attention to possible changes in GSA Education and react as appropriate.
- Recruit permanent media director.
- Revisit and empanel Ad-Hoc Committee development to improve TED social media and member outreach. Focus on:
 - Member input regarding what makes TED distinct & worthwhile

- What TED can provide to geoscience teacher preparation programs
 - What TED can provide to K-12 teachers
- Consider working with *In the Trenches* to promote dissemination of research and best practices in teacher education.
- Become more active with Facebook page and Twitter, sharing opportunities for teacher preparation professionals.
- Work with NSTA to provide TED support for national recognition program through NSTA.
- Teacher Leader recognition standards: gain NAGT Council approval, develop review process and implement in 2020.

National Association of (
Account Qui
All Date

2500 TED Division Funds	Date	Transaction Type	Num	Name
	02/28/2017	Journal Entry	201709	
	02/28/2017	Deposit		
	02/28/2018	Journal Entry	201723	
	05/14/2018	Bill	PC04537	May Guitteau
	07/16/2018	Journal Entry	201728	
	07/16/2018	Journal Entry	201728	
	02/28/2019	Journal Entry	201742	
	07/16/2019	Journal Entry	201748	
	07/16/2019	Journal Entry	201747	
	07/16/2019	Journal Entry	201748	
Total for 2500 TED Division Funds				
TOTAL				

Monday, Aug 19, 2019 07:

Geoscience Teachers Check Report

3/15

Memo/Description	Account	Amount	Balance
TED 146 2016 Memberships	2500 TED Division Funds	988.42	988.42
	2500 TED Division Funds	1,489.33	2,477.75
(161) 2017 Division Dues	2500 TED Division Funds	1,089.97	3,567.72
Luggage Tags Promo	2500 TED Division Funds	-393.35	3,174.37
EER18 Travel Grant Donation	2500 TED Division Funds	-500.00	2,674.37
EER18 Sponsorship	2500 TED Division Funds	-250.00	2,424.37
(186) 2018 Division Dues	2500 TED Division Funds	1,259.22	3,683.59
EER19 Travel Donation K12 - TED	2500 TED Division Funds	-500.00	3,183.59
EER19 Sponsorship	2500 TED Division Funds	-250.00	2,933.59
EER19 Travel Donation 2YC - TED	2500 TED Division Funds	-100.00	2,833.59
		\$ 2,833.59	
		\$ 2,833.59	

3/15 10:43 AM GMT-7

Division Social @ EER 245.20

NAGT-GER Division Annual Report

Report to the NAGT Executive Committee
Geoscience Education Research Division
August 15, 2019

Current Division Officers

Past President: Karen McNeal
President: Katherine Ryker
Vice President: Kelsey Bitting
Anne Gold: Treasurer
Leilani Arthurs: Secretary
Emily Ward: Media Director

Division Officer terms beginning at GSA in September 2019

Past President: Katherine Ryker (1-year term)
President: Kelsey Bitting (1-year term)
Vice President: Emily Ward (1-year term)
Treasurer: Cory Forbes (3-year term)
Graduate Student Liaison: Bailey Zo Kreager (2-year term)
Media Director: TBD (1st year; term length not specified in by-laws)

The division is wrapping up its fifth year and has spent the year continuing to build community, promote GER, develop resources, and provide networking and communication opportunities.

Professional Meetings

At the 2018 Earth Educators' Rendezvous (Lawrence, KS), the Division hosted a networking event with coffee and bagels on Tuesday morning before the Advancing Transdisciplinary Dialogue in Geoscience Education Research workshop. This event allowed us to share division news and strengthen networks between existing and potential NAGT members of our Division. At this event, we promoted the benefits we provide our memberships. We also partnered with the Geo2YC division to host an off-site, social networking event for division members and friends on the Wednesday evening of the Rendezvous. Approximately 75 EER attendees attended this event.

Based on that success, we worked with both Geo2YC and TED to co-sponsor and host another off-site, social networking event during the 2019 EER (Nashville, TN). This event was open to all Rendezvous participants and again, approximately 75 people participated, including faculty, students and K-12 teachers representing all three divisions.

Finally, in the absence of a 3-day workshop specifically targeted to GER members, we organized a "research writing retreat" working group, led by Peggy McNeal (Towson University). 14

people participated and worked on a variety of tasks, from manuscript revisions to proposals to dissertation chapters to conference abstracts.

Since our last division report, the GER Division officers have chaired two sessions at the 2017 and 2018 Annual Fall Meetings of GSA, and proposed a third that has been accepted for the 2019 meeting. All three sessions received more abstracts than could be accepted to both an oral and poster session. Oral presentations are well received, with 40-75 attendees at each talk. The 2017 and 2019 sessions revolve around GER Methods and Theoretical Frameworks; the 2017 session was described by an external-to-GER DBER representative as “the most research rigorous DBER session” they had attended. The 2018 session was sponsored to highlight “implications for undergraduate geoscience teaching and learning” for GER, in response to the Community Framework for GER.

In an effort to disseminate information about methods and theoretical frameworks widely, we have shared the schedule for these, along with the presenter’s public contact information and the slides if the presenter chooses to share them on our website here:

<https://nagt.org/nagt/divisions/geoed/methods>. At each of our sessions, we invite three speakers, with one or two people selected from the broader disciplinary-based education research community. The invited speakers for 2018 were Doug Lombardi (Temple University), Cissy Ballen (Auburn University) and Emily Ward (Rocky Mountain College). The invited speakers for 2017 were Erin Dolan (University of Georgia), Nicole LaDue (Northern Illinois University) and David McConnell (North Carolina State University).

The Division has also sponsored three additional 2018 GSA sessions on integrating active learning strategies into college-level geoscience classrooms, going “beyond the road-cut” (virtual, local and non-traditional field teaching and learning experiences), and improving climate science literacy.

As in past meetings at GSA, the three divisions (GER, TED, and Geo2YC) coordinated our schedules for 2018 and 2019 so that our meeting times did not overlap and people belonging to multiple communities could attend multiple business meetings.

Communications

External

We continue to send out our Newsletter (the GER Exchange) to our 328 (as of 8/1/19) members on a monthly basis from September – December and February – April. Each newsletter includes job and funding opportunities, highlights a research article, promotes relevant webinars or other professional development opportunities, and advertises for any sponsored sessions or events. We have continued our “Spotlight” feature to highlight the type of work done by various researchers in the community, including recent profiles of Drs. Steven Semken, Caitlin Callahan and Julie Sexton. To view past newsletters, visit the archive at <https://nagt.org/nagt/divisions/geoed/archive>. A full list of “Spotlights” can be found at <https://nagt.org/nagt/divisions/geoed/spotlight>.

In collaboration with NAGT, we developed a more formalized events and sessions sponsorship request policy and process for events and sessions, outlined at https://nagt.org/nagt/about/ger_sponsorship_policy.html. This has been streamlined so that NAGT members use the same form to request sponsorship from both NAGT and GER. We anticipate that this same process could be utilized by other divisions and sections.

Finally, in October 2018 we received our first division swag: a dark blue re-usable bag with our division logo and name in silver. We began sharing them with members at GSA and AGU in 2018 and EER in 2019.

Internal

In 2018, we established two new spaces to aid in internal communication: an archive and annual calendar. The goal of both these systems is to prevent the loss of institutional memory as board members finish their terms. The archive includes annual and financial reports, annual business meeting agendas, e-mail templates, logos, session proposals, flyers and surveys. The annual calendar is organized by officer and category. These categories including meetings and sponsorship timeframes, newsletter, elections and NAGT, awards, and finances. The calendar reflects official obligations represented in the by-laws, as well as the more pragmatic deadlines that facilitate those obligations. For example, the Past President is reminded to begin identifying appropriate award committee members in January; the Treasurer (who also serves as Conference Liaison) initiates conversations with NAGT about coordinating business meetings at GSA in February. We will continue to update and adapt this calendar as duties shift and/or more details about a task are available.

Awards

Thanks to the leadership of Nicole LaDue, we were able to establish two GER Division Awards in 2018. The Transformation Award honors “colleagues who have made significant contributions to the development of and capacity for geoscience education research.” In 2018, this award was presented to Julie Libarkin (Michigan State University). The Collaboration Award honors non-GER colleagues who have “infused the GER community with new approaches to GER.” In 2018, this award was presented to Tim Shipley (Temple University). Awardees receive Division membership for a year, and are recognized at the NAGT luncheon at GSA.

Finances

As established in 2018, the GER division account is nested under the NAGT main account. The treasurer submits expenses to the NAGT executive office for payment. The division has an account balance of \$7,252.26 (August 13, 2019) with a pending expense from the EER of \$245.20. Please see our financial report for details on annual expenditures.

Webinars

This coming year, we hope to continue building community and resources within our Division. We plan to address our membership’s desires for additional professional development in research

methodologies by working on the webinar series we began in Fall 2017. In April 2018, we hosted a discussion from five panelists on Careers in Academia: Options with Your GER Background.

By-laws Revision

We successfully revised our by-laws in 2018; these went into effect on February 4, 2019. These revisions added two new positions (Media Director and Graduate Student Liaison), eliminated the Conference Committee, clarified the role of the Communications Committee, and added or removed existing duties to other positions in alignment with practice.

Concluding Thoughts and a Welcome

After five years of service, I am incredibly proud of how this division has grown since its founding in 2014. We have had a steady string of very capable leaders, each of whom has made a positive and unique impact on the division at large. This is evidenced by all manners of things from establishing two GER Awards, chairing multiple well-respected sessions, collaborating with other NAGT divisions and external organizations (e.g. AGU/AGI, AMS), organizing business and social networking events, and beginning a fledgling webinar series. I am continually impressed by this community, thankful for the trust that they have placed in us as leaders, and look forward to welcoming our new division officers in September 2019 as I transition to my final year on the board as Past President. I extend a special thanks to Karen McNeal and Anne Gold, who finish their current terms this year, to Kelsey Bitting, Leilani Arthurs, and Emily Ward for their continued service, and to Anne Egger for her thoughtful guidance in communicating with the broader NAGT leadership. I'd also like to offer a warm welcome to our new board members, Cory Forbes and Bailey Zo Kreager.

The Division leadership looks forward to continued growth as a community of practice!

Katherine Ryker, on behalf of the 2018-2019 NAGT-GER Division Executive Board:

President Katherine Ryker, University of South Carolina
Past President Karen McNeal, Auburn University
Vice President Kelsey Bitting, Northeastern University
Treasurer Anne Gold, University of Colorado-Boulder
Secretary Leilani Arthurs, University of Colorado-Boulder
Media Director Emily Ward, Rocky Mountain College

**National Association
Tra**

GER Division Funds	Date	Transaction Type	Num	Name
	12/09/2016	Deposit		
	02/28/2017	Journal Entry	201709	
	03/28/2017	Bill	GER001	Todd Ellis
	08/15/2017	Check	EFT	Wells Fargo Credit Card
	11/09/2017	Bill	GER GSA17 Speaker	Erin Dolan
	01/30/2018	Bill	GER Webinar	Julie Sexton
	02/28/2018	Journal Entry	201722	
	07/30/2018	Bill	1067264	KU Memorial Unions
	08/10/2018	Bill	EER18HHGER2YC	Katherine Ryker
	12/05/2018	Bill	GER GSA18 Speaker	Margaret Ballen
	12/05/2018	Bill	GER GSA18 Speaker	Emily Ward
	02/13/2019	Bill	2QFY19ED	Carleton College
	02/13/2019	Bill	2QFY19ED	Carleton College
	02/28/2019	Journal Entry	201741	
	08/08/2019	Bill	GERBagelsEER19	Kelsey S Bitting
Total for GER Division Funds				
TOTAL				

Tuesday, Aug 1

ation of Geoscience Teachers Insaction Report

All Dates

Memo/Description	Account	Split
	2400 GER Division Funds	1010 Northfield Wells Fargo
GER 306 2016 Memberships	2400 GER Division Funds	-Split-
Copies for GER Event at GSA 2016	2400 GER Division Funds	2000 Accounts Payable
Coffee @ EER17	2400 GER Division Funds	1010 Northfield Wells Fargo
Travel Reimbursement for GSA 2017 Speaker	2400 GER Division Funds	2000 Accounts Payable
GER Webinar Development and Presentation	2400 GER Division Funds	2000 Accounts Payable
(322) 2017 Division Dues	2400 GER Division Funds	-Split-
EER 2018 Division Breakfast	2400 GER Division Funds	2000 Accounts Payable
EER 2018 Happy Hour, GER Division portion	2400 GER Division Funds	2000 Accounts Payable
	2400 GER Division Funds	2000 Accounts Payable
	2400 GER Division Funds	2000 Accounts Payable
GER Awards Luncheon Ticket	2400 GER Division Funds	2000 Accounts Payable
GER Promotional Bags	2400 GER Division Funds	2000 Accounts Payable
(354) 2018 Division Dues	2400 GER Division Funds	-Split-
Bagels for GER at EER19	2400 GER Division Funds	2000 Accounts Payable

3, 2019 08:24:41 AM GMT-7 - Cash Basis

Division Social @ EER

Amount	Balance
4,146.59	4,146.59
2,071.62	6,218.21
-15.10	6,203.11
-259.70	5,943.41
-700.00	5,243.41
-150.00	5,093.41
2,179.94	7,273.35
-124.88	7,148.47
-150.84	6,997.63
-750.00	6,247.63
-300.00	5,947.63
-50.00	5,897.63
-949.00	4,948.63
2,396.58	7,345.21
-92.95	7,252.26
\$ 7,252.26	
\$ 7,252.26	

245.20

2019 Annual report

Anne Egger

Editor-in-Chief, Journal of Geoscience Education

Editorial board

We have established an application process for Associate Editors and are implementing three-year terms to ensure some rotation through the role. AEs may serve additional terms if their performance is satisfactory.

Current AEs:

- **Alexandra Davatzes**, *Temple University*
- **Diana Dalbotten**, *University of Minnesota*
- **Todd Ellis**, *Western Michigan University*
- **Alexander Gates**, *Rutgers University*
- **Kyle Gray**, *University of Northern Iowa*
- **Stephanie Hathcock**, *Oklahoma State University*
- **Alison Jolley**, *University of British Columbia*
- **Karen McNeal**, *Auburn University*
- **Ellen Metzger**, *San Jose State University*
- **Elizabeth Nagy-Shadman**, *Pasadena City College*
- **Nir Orion**, *Weizmann Institute of Science, Israel*
- **Heather Petcovic**, *Western Michigan University*
- **Ilyse Resnick**, *University of Canberra*
- **Katherine Ryker**, *University of South Carolina*
- **Benjamin Wolfe**, *University of Kansas*

In addition, we currently have seven guest editors. Susan Sullivan and Eric Riggs continue to serve as guest AEs for the theme issue *New Developments in Diversity and Inclusiveness in Geosciences*. Catherine Riihimaki and Kathleen Quardokus-Fisher are serving as guest AEs for the theme issue *Large-Scale Analysis of Teaching Practices and Education Communities in STEM disciplines*. Stephanie Pfirman, Anne Gold, and Gail Scowcroft are serving as guest AEs for the theme issue on polar education.

At the end of 2019 (volume 67), Alec Gates, Karen McNeal, and Nir Orion will be stepping down and we will be seeking additional AEs.

Submissions

In addition to regular submissions, we received submissions for two theme issues in 2019:

- **Polar Education**
 - Guest editors: Anne Gold, Gail Scowcroft, and Stephanie Pfirman
 - 13 submissions
- **Large-scale analysis of Teaching Practices and Education Communities in STEM disciplines**
 - Guest editors: Catherine Riihimaki and Kathleen Quardokus-Fisher
 - 11 submissions

Table 1 our monthly submissions for 2018 and the first part of 2019.

TABLE 1. Monthly submissions

Month	2018	2019
Jan	5	9
Feb	14	4
Mar	8	4
Apr	11	3
May	7	7
Jun	9	16 Polar education deadline
Jul	1	14 Large-scale analyses deadline
Aug	16 Diversity deadline	6 <i>Through August 16</i>
Sep	18	
Oct	6	
Nov	1	
Dec	3	
Total	99	76 (total – 23 revisions) 63 (as of August 16, 2019)

Theme issues clearly encourage submissions. However, we are receiving sufficient submissions to fill issues even without theme solicitations. As a result, in 2019, we are likely to meet or exceed the number of new submissions received in 2018.

Table 2 shows the types of articles submitted as of August 16.

TABLE 2. Types of articles submitted.

Article Type	2018	2019
Commentary	14	12
Curriculum & Instruction Manuscript	36	27
Literature Review	3	3
Research Manuscript	46	21
	99	63

The large proportion of research manuscripts in 2018 reflects the theme issue of diversity and inclusion, which received 26 submissions and only a few of those were curriculum and instruction manuscripts. Literature reviews are the least commonly submitted and are overall a weaker category of paper, but we are working to improve the quality of these submissions (see Miscellaneous).

Turnaround time

Since 2018, the average time between receiving a manuscript and the first decision was 60.6 days. The average time from initial submission to a final decision (accept or reject) was 190 days. Our turnaround time has improved significantly with the use of reminders and some of the automated features of Editorial Manager.

Acceptance rate

Since transitioning to Editorial Manager in February of 2018, our total acceptance rate is 59%. It was 50% in 2018 and is currently 67% in 2019; the 2018 rate should be interpreted with caution for several reasons. I anticipate that our acceptance rate will stabilize around 60-65% moving forward.

Publishing

For each issue of volume 67 (2019), we have had more articles ready for publication (and available online) than we have had pages in the journal. Along with the upcoming diversity theme issue, this has resulted in a fairly substantial backlog, approximately a full issue's worth of articles at any given time. Our current page limits of 88 pages/issue are stipulated in our contract with Taylor & Francis, and we pay the publisher for page overages. In order to publish all of the articles submitted to the diversity theme in a single issue, we will have a total page overage of approximately 170 pages. As of the time of writing of this report, we do not have an estimate of the cost of this overage, but anticipate that it will be on the order of \$2000–\$5000.

Downloads

Downloads have been steadily increasing since the journal transitioned to Taylor & Francis. As of the end of August, 2018, total downloads were 5874; as of August 16, 2019, total downloads *in 2019* were 16,317. There has been a quarter-over-quarter increase since the journal launched.

Awards

The **Outstanding Paper Award** goes to Benjamin A. Wolfe for his 2018 paper [Introductory geosciences at the two-year college: Factors that influence student transfer intent with geoscience degree aspirations](#), *Journal of Geoscience Education*, 66:1, p. 36-54.

In making this award, the editors noted the strong design of the study, the important contribution it makes to the literature, and the impressive number of downloads it has already achieved. We also note that, this paper, in addition to Ben's reviews, led us to invite him to serve as an Associate Editor for the journal to bring his expertise in two-year colleges to our board. (We love to reward good work with... more work!)

The **Outstanding Reviewer Award** goes to Peggy McNeal from Towson University.

In making this award, the editors noted her thoughtfulness and attention to detail, her willingness to review revisions, and her consistency in submitting thorough, carefully considered reviews on time. Her reviews have been especially helpful as we have sought to grow our submissions from and readership in the atmospheric sciences.

Indexing

The journal is now indexed in Scopus and Scimago.

- Scopus is Elsevier's abstract and citation database. They calculate a CiteScore and rank journals within different categories (link to [JGE on Scopus](#)). As of August 14, 2019:
 - CiteScore = 1.01 (2018), 1.13 (2017)
 - Ranked 475/1040 (54th percentile) in Education journals in 2018, 301/979 (69th percentile) in 2017
 - Ranked 88/182 (51st percentile) in Earth and Planetary Sciences journals in 2018, 67/182 (63rd percentile) in 2017

- 2018 comparisons for several other discipline-based education research journals (and others) are provided in Figure 1.

Source title ↓	CiteScore ↓	Highest percentile ↓	Citations 2018 ↓	Documents 2015-17 ↓	% Cited ↓	SNIP ↓	SJR ↓	Publisher ↓
Journal of Engineering Education	5.56	99% 9/1040 Education	478	86	84	7.527	3.032	Wiley-Blackwell
Journal of Research in Science Teaching	4.31	97% 24/1040 Education	789	183	89	2.822	2.867	Wiley-Blackwell
CBE Life Sciences Education Open Access	3.15	94% 62/1040 Education	844	268	75	1.908	1.162	American Society for Cell Biology
Journal of Environmental Education	2.8	92% 78/1040 Education	196	70	76	1.876	1.022	Taylor & Francis
International Journal of Science Education	1.89	80% 205/1040 Education	726	384	71	1.194	0.916	Taylor & Francis
Journal of Chemical Education	1.78	78% 224/1040 Education	2,039	1,144	64	1.099	0.464	American Chemical Society
Journal of Geoscience Education	1.01	54% 475/1040 Education	121	120	51	0.862	0.414	National Association of Geoscience Teachers, Inc.
American Journal of Physics	1.01	42% 123/215 General Physics and Astronomy	388	384	48	1.351	0.609	American Association of Physics Teachers

Figure 1. Screenshot from Scopus showing comparison journals.

- Scimago uses data from Scopus to calculate a variety of other statistics and rankings (link to [JGE on Scimago](#)). As of August 14, 2019:
 - H Index = 28
 - Average of 10% international collaboration
 - About 50% of published articles are cited

Miscellaneous

All of the covers, tables of contents, and front matter have been scanned for every issue. These will be used to assemble an online timeline of the journal.

We participated in a journal editor roundtable at AERA (American Education Research Association) (thanks to Julie Libarkin) and will do the same (remotely) at the ESERA (European Science Education Research Association) meeting in August in Bologna, Italy. These continue to expand the reach of the journal; although Julie said no one stopped by to talk to her about JGE, I did receive a phone call from someone who said they had come across JGE at the AERA meeting and wanted to know if a manuscript they were writing would be appropriate (it was).

Our partnership with GSA that allows GSA members to subscribe to JGE for \$45 has only yielded a few subscriptions. GSA has promoted the offer widely but it has not been popular. It is possible, however, that even their advertising of the offer has promoted use and viewing of the journal, as it may prompt members to see if their institution already has a subscription.

In hopes of improving the quality of literature reviews submitted to JGE, we are presenting a poster at GSA (see attached abstract). Katherine Ryker, as Associate Editor, suggested it to me after reviewing a few submissions, and I asked authors of recently published well-written literature reviews to participate.

GSA ABSTRACT

264-4 HOW TO WRITE A LITERATURE REVIEW ARTICLE FOR JGE: KEY STRATEGIES FOR A SUCCESSFUL PUBLICATION

SCHERER, Hannah H., *Agricultural, Leadership, and Community Education, Virginia Tech, 270 Litton-Reaves Hall (0343), Blacksburg, VA 24061*, **CALLAHAN, Caitlin N.**, *Geology Department, Grand Valley State University, Allendale, MI 49401*, **MCCONNELL, David A.**, *Marine, Earth and Atmospheric Sciences, North Carolina State University, Raleigh, NC 27695*, **RYKER, Katherine**, *School of the Earth, Ocean and Environment, University of South Carolina, 701 Sumpter Street, EWS 617, Columbia, SC 29208* and **EGGER, Anne E.**, *Geological Sciences and Science Education, Central Washington University, 400 E. University Way, Ellensburg, WA 98926-7418*

The *Journal of Geoscience Education (JGE)* describes literature review articles as those which “synthesize and evaluate the published literature on a topic within geoscience education research or practice.” Most scientific articles include at least a partial review of previous work in order to situate the study within the current body of knowledge. In contrast, a literature review article presents findings from a deep and rigorous interrogation of the literature that addresses a focused purpose or question. A literature review is much more than the summary of the contents of a collection of papers. Consistent with other types of research studies, literature reviews are systematic, methodologically sound, and generate new knowledge that is relevant to the field.

While the nature of literature review articles can provide considerable flexibility to the authors, effective reviews both within and beyond geoscience education research meet the current *JGE* review criteria and incorporate a thesis question, review methods and time frame, analysis, and conclusions and recommendations. For example, thesis questions could be motivated by a need to bridge a topic in geoscience education with findings from another discipline (e.g. cognitive science) or a need to make sense of the literature in a particular area within geoscience education (e.g. systems thinking). Methods could be deductive (e.g. using an existing theoretical framework to classify articles) or inductive (e.g. open coding and theme development). Rigorous analysis can result in findings that illuminate changes in methodological approaches over time, provide a decision-making guide for practitioners, or highlight gaps in the research.

Drawing on our collective experience in authoring, reviewing, and editing literature review articles for *JGE*, we provide recommendations and strategies for potential authors. Additionally, we describe the different roles research team members can play, and we discuss effective approaches to managing the varying tasks necessary to conduct a systematic review. Finally, we use research themes in *A Community Framework for Geoscience Education Research* to illustrate the process of developing a literature review article and the variety of potential reasons for and approaches to conducting systematic reviews.

Session:

264: T190. Making Sense of Methodologies and Theoretical Frameworks in Geoscience Education Research (Posters) **Katherine Ryker**, *School of the Earth, Ocean and Environment, University of South Carolina, Columbia, SC*, **Karen McNeal**, *Geosciences, Auburn University, Auburn, AL*, **Leilani Arthurs**, *Department of Geological Sciences, University of Colorado at Boulder, Boulder* and **Emily M. Geraghty Ward**, *Geology Program, Rocky Mountain College, Billings, MT*

Outstanding Earth Science Teacher Awards (OESTA) Report 2019
 Dr. Mike Passow, National Coordinator

This year, OEST awards to 8 Section winners (including 1 also named as a State winner) and 20 State winners (19 plus the 1 Section winner).

Section Winners (receive full benefits listed on NAGT website)

Central	Dr. Michael Smith	msmith@us.edu	OH
Eastern	Christopher Bowring	speedoflight186@hotmail.com	VA
Far West	Sergio de Alba	szdealba@comcast.net	CA
New England	Susan Meabh Kelly	earthkelly@gmail.com	CT
Pacific Northwest	Renee Drummond	renee.drummond@juneauschools.org	AK
Southeastern	Andrea Starks	astarks901@yahoo.com	TN
Southwest	Hank Shoop	Hank.Shoop@dvusd.org	AZ
Texas	Isabel Anaya	isabel.anaya@nisd.net	TX

There were no nominations in the Midcontinent and North Central Sections.

State Winners

AK	Renee Drummond	renee.drummond@juneauschools.org
AL	Ricky Conte	rconte@hoover.k12.al.us
CA	Kevin Lesback	klesback@cuyamaunified.org
CT	Lindsay Waack	lwaack@fairfieldschools.org
FL	Maggie Paxton	paxsonma@gm.sbac.edu
GA	Deborah Lynn Sheppard	Sheppard@fultonschools.org
IN	John Hesser	hesserj@myips.org
MI	Sarah Geborkoff	sgeborkoff@hpts.us
MN	Jill Holz	jill.holz@wayzataschools.org
MS	Brooke Dodd	Bdodd@webstercountyschool.org
NC	Marta Toran	toranml@appstate.edu
NJ	Matthew G Fichter	Fichter@cranfordschools.org
NY	Christine Scavone	CScavone@schools.nyc.gov
OH	Michael Koenig	MKOENIG@gcswave.com
OR	Jim Hartmann	HartmannJ@wlwv.k12.or.us
PA	Andrea Mangold	amangold@crsd.org
SC	Kimberley Norris-Jones	knorris@richland2.org
VA	Christopher Bowring	speedoflight186@hotmail.com
WA	Alice Ryan	alice.ryan@quileutetribalschool.org
WV	Angela McKeen	amckeen@notredamewv.org

Current Section OESTA Coordinators:

Central	Susan Wolf
Eastern	Christopher Roemmelle
Far Western	Craig Poole
Midcontinent	Aida Farough
New England	Lori Weeden
North Central	Suki Smaglik
Pacific Northwest	Jodie Harnden
Southeastern	Frank Forcino
Southwest	Mike Passow
Texas	Mike Passow

- All winners are listed at <https://nagt.org/nagt/awards/oest.html>
- Letters were sent to every Principal announcing the award winner from their school

The OESTA Process and Procedures Manual is available at https://nagt.org/nagt/awards/oest_manual_sum.html.

All organizations that support our efforts to recognize the OEST winners have been notified with a list of the 2019 award winners. It would be great if you could also drop them a note to thank them for their continued support. (Organizations and contact info listed below):

GSA: [Dominique Olvera](#)
USGS: [Dr. Eleanor Snow](#)
AGI: [Juliet Crowell](#)
NESTA: [Carla McAuliffe](#)
AIPG: [Wendy Davidson](#)

(Note: I am not sure AGU still participates in providing recognition for OESTAs.)

Recommendations:

- 1) We need to find replacements for Sections where current chairs have or are stepping down.

- 2) If Inactive Sections remain in that status, we need to develop better processes to solicit nominations for teachers in those areas.
- 3) We need to expand efforts to remain linked with past winners so they continue to contribute to NAGT and Earth Science Education.
- 4) We should consider increasing rewards to State winners so they also want to remain active.

Appreciation:

I wish to acknowledge the support from Monica Bruckner and Lisa Nirva in handling this year's nomination, selection, and notification process.

Respectfully submitted,

Dr. Mike Passow

Dorothy Stout Professional Development Grants.

This year three awards were distributed to the following recipients:

2019 Award Recipients

Hannah Miller, Oxford College of Emory University

Marissa Isaak Wald, Central New Mexico Community College, Albuquerque, NM

Sharon L Karackattu, Ph.D., Oak Hall School, Gainesville, FL

NAGT Shea Award Committee
2019 Annual Report

The James H. Shea Award committee is pleased to report that the 2019 award recipient will be **Marcia Bjornerud of Lawrence University**.

Marcia Bjornerud received numerous Shea Award nominations, in fact, five glowing nominations. These nominations came from across the country and one even from Scotland! The praise centers around Bjornerud's well-received books, *Reading The Rocks*; *The Autobiography Of The Earth*, and *Timefulness: How Thinking Like A Geologist Can Help Save The World*. Let me just list a few nomination quotes:

"I love Bjornerud's writing. She writes like the most engaging professor I have ever had, with a sense of proper proportion and enthusiasm."

"*Timefulness*... is an exceptional work that comes at a critical time."

"Dr. Bjornerud's writing style... is approachable and entertaining for both geoscience educators and the broader public."

"Bjornerud's voice is strong and passionate.... Her writing is beautiful too."

"with such eloquence and, yes, poetry."

It should be noted that "*Timefulness*" received the PROSE Award (Popular Science category) from the American Association of Publishers, and it was a finalist for the 2018 Los Angeles Times Book Prize in Science and Technology. Bjornerud's written work can also be enjoyed in the *New Yorker's* science and technology blog, "Elements", where she is a contributing writer. Finally, she is also highly regarded for her classroom teaching of Earth Science; she was named Outstanding Educator in 2011 by the Association of Women Geoscientists.

This was another exciting year for the Shea Award committee. Once again, many excellent and worthy nominees! As all of us on the committee agree, this is a good "problem" to have considering the importance of this award.

The 2019 James H. Shea Award committee included the following members:

- Anne Egger
- Karin Kirk
- Karen McNeal
- Tim Bralower
- Andy Buddington (Chair)

The committee would like to congratulate Marcia Bjornerud for being the 2019 recipient of the James H. Shea Award.

Andy Buddington
James H. Shea Committee, Chair

Neil Miner Award, 2019

The Neil Miner award committee made the 2019 award to Dr. J Bret Bennington, Department of Geology, Environment, Sustainability, Hofstra University.

The Neil Miner Award recognizes an individual “for exceptional contributions to the stimulation of interest in the Earth sciences.” Dr. Bennington’s supporting letters documented a strong record of significant contributions. Colleagues noted his enthusiastic teaching that incorporated cutting-edge pedagogy and “makes every student feel welcomed and inspired.” They described his emphasis on field experiences for students, from local trips to a Long Island marsh to international excursions to locations such as Greece and the Galapagos Islands.

Several colleagues and former students discussed his skills as a mentor and his efforts to help students find and secure their first jobs. Finally, the members of the review committee were impressed by Bret’s efforts to promote geoscience education within the community through organization of a STEM lecture series for the general public and training municipal workers on environmental issues. Dr. E. Christa Farmer, his lead nominator aptly stated, “In sum, Bret is an amazing colleague, a fabulous geoscientist, and an inspiring teacher.”

The Neil Miner award committee was composed of:

David McConnell

Frank Hladky

John Taber

Don Haas

Karen Viskupic

Field Camp Scholarship 2019 Report

Chair: Lydia K. Fox

The NAGT Field Camp scholarship field was very competitive again this year, with 76 of the best and brightest young geoscientists from around the country applying for this award. As a comparison, there were 65 applicants in 2017 and 85 in 2018. Committee members are Diana Dalbotten (unable to review this year), Cindy Magruder (former field camp scholarship recipient) and Bob Shuster. All of the selected individuals were ranked in the top 25 by the reviewers. The application was revised for 2019, based on recommendations from the Committee and input from the Council. These changes improved the review process.

This year's awardees are:

Alejandra Angulo, California State University, Fullerton

Field Camp: California State University, Fullerton

Judith Avila, California State University, Fullerton ([AWG Crawford Field Camp Scholarship Recipient](#))

Field Camp: California State University, Fullerton

Claudia Banks, University of Florida

Field Camp: University of Florida

Maya Bradford, Emory University

Field Camp: University of Michigan

Lisa Duong, Georgia State University

Field Camp: Georgia State University

Elizabeth Evenocheck, Winona State University

Field Camp: University of Minnesota

Lynnea Jackson, Michigan State University

Field Camp: Indiana University, Bloomington

Christopher Jones, Oklahoma State University

Field Camp: Oklahoma State University

Ann Klyce, Appalachian State University

Field Camp: Appalachian State University

Sarah Lapinski, Oregon State University ([AWG Crawford Field Camp Scholarship Recipient](#))

Field Camp: Oregon State University

Emily Loucks, Penn State University

Field Camp: Penn State University

Caitlin Noseworthy, Saint Norbert College

Field Camp: Missouri State University

Jocelyn Reahl, Wellesley College

Field Camp: Juneau Icefield Research Program

Emma Sevier, University of Puget Sound

Field Camp: Southern Illinois University

Mary Sorensen, SUNY Oswego

Field Camp: Indiana University, Bloomington

Cassidy Stegner, Montana State University

Field Camp: Indiana University, Bloomington

Jennifer Stephens, Austin Peay State University

Field Camp: Indiana University, Bloomington

Zachery Stooksbury, University of Tennessee, Knoxville

Field Camp: Wilkes University



ANNUAL REPORT 2019: NAGT/USGS COOPERATIVE SUMMER FIELD TRAINING PROGRAM

The 2019 Field Season for the NAGT/USGS Cooperative Summer Field Training Program marked the 5^{3rd} year of what is now one of the longest running science internship programs in the nation. More than 2,500 students have participated in this program since its conception in 1965 by William “Bill” Pecora, then the newly appointed Director of the US Geological Survey. After successfully completing the program, many of these students have gone on to become well-known leaders, influential professors, and outstanding contributors to the geoscience knowledge base. More information about the history, operation of this program, and this year’s interns can be found at: <https://www.usgs.gov/media/files/cooperative-summer-field-training-program-2019>.)

This year, 76 students were nominated by field camp directors, and 59 of those students completed an application for the program. After receiving 44 geology-based proposals from USGS scientists and after the proposal review panel met and matched students to projects, a total of 46 students were placed with USGS science projects (some projects took on more than one intern). Since bringing new life back into this historic program a decade ago, we have now gone from 8 placements in 2002, to numbers that are consistent with the historical average for this program.

Summary of information and tasks completed in 2019:

- Letters seeking nominations of qualified students were sent from NAGT to field camp directors in late August. To keep the program manageable, we monitor the number of allowable field camp nominees and restrict the number of nominees from each field camp as follows:
 - One student if the camp enrollment is 20 students or less
 - Up to 2 students if the camp enrollment is 21-40 students
 - Up to 3 students if the camp enrollment is 41-60 students
 - Up to 4 students if the camp enrollment is greater than 60 students

We continued the practice of requesting that Field Camp Directors include a brief description of the attributes of the particular nominees selected. This greatly helps the USGS Placement Panel in their efforts to place a student with a project best suited to their abilities while also helping USGS mentor scientists in preparing to conduct their interviews with students.

- In October, letters were sent to all 76 nominees from both NAGT and USGS congratulating them on their nomination and providing instructions on how to apply for the program. The application process is through USAJobs. A total of 59 students (78% of nominees) completed the application deadline by the December 31 deadline.
- The USGS solicited internal proposals from scientists wishing to host an NAGT intern in the fall. A total of 42 proposals were received, and ultimately 46 were matched with interns (some projects hosted more than one intern). A list of interns and their research projects for 2019 is attached. The USGS has a broad scientific mission that includes areas beyond traditional field geology like hydrogeology, ecology, and climate change. It continues to be a challenge to educate students about the value of doing an internship in a field they had not previously considered.
- With input from Field Camp Directors, we overhauled the comprehensive listing of geology field camps nationwide into a new database in FileMaker Pro. In addition to the traditional data (e.g., director and co-director contact information, program names, and geographic locations), the new database will also track:
 - Course-related costs (in- and out-of-state tuition, course fees, etc.)
 - Historical enrollment numbers
 - Anonymized participant demographics (age, gender, ethnicity, culture of origin, disabilities/long-term illnesses, etc.)
 - Numbers of medically trained persons present

- Types of principal activities (group activities, solo projects, regional driving overviews, in-water activities, etc.)
- Transportation modes (personal vehicles, SUVs, bus/coach, etc.)
- Types of terrains (mountains, tropical, desert, etc.)
- Accommodation types (huts, tents, permanent buildings, etc.)

These data will help our community better support the students we are serving and to provide a basis for evaluating how we're doing in a number of areas (e.g., diversity, health & safety, etc.) when compared to groups with similar missions. Indeed, the new criteria above were carefully modified from similar efforts by large organizations (British Geographical Survey, ExxonMobil Corp, NOLS, etc) that actively track participant information and the conditions that exist among their programs (e.g., participants, types of activities, transportation needs, environments, etc.).

- Using the same research procedures employed when the list was developed five years ago, we were able to cross-check and identify 148 active field camp programs during the 2018-2019 academic year. Website links were identified for each program, as well as specific contact information for the respective field camp instructors. This listing is maintained on the USGS Education website and also linked on NAGT's website.
<http://education.usgs.gov/nagt/geofieldcamps.html>
- Program evaluations are sent to both scientists and interns toward the end of the summer field season. USGS sends evaluations to the scientists and NAGT sends evaluations to interns. These evaluations, copies of information referenced in the bulleted items above, and detailed, multi-year comparative program information, will be provided in the full packets to those attending our Annual Joint NAGT/USGS Internship Meeting on Sunday, September 22, 2019 from 2:00-4:00pm.
- The USGS, Youth and Education in Science Office provides 50% of the intern salary support for a period of up to 12 weeks. Individual scientists, through their science centers, supply the other 50% support. Although final expenditures will not be determined until later next month, it is estimated that the collective support for this program is in excess of \$400,000.
- In 2019, the YES office was able to secure the use of a new hiring authority allowing us to keep these interns on board for up to 4 years (rather than the previous limit of 5 months) if the project has the need for extended assistance and the funds to support the intern for an additional amount of time. We anticipate this to be of great benefit to many of our scientists who often ask if they can keep their interns for longer, as long as there are no conflicts with their graduate school or other plans. Many of these interns would welcome the opportunity to stay with USGS longer as well, especially in times of uncertainty due to government hiring freezes and the often difficult process of obtaining a permanent federal position.
- The Federal Recent Graduates hiring program provides a much sought-after opportunity for NAGT/USGS interns to continue employment for up to three years, as long as the USGS is not under a hiring freeze, with the intent of permanent hire (if funding is available).
- In 2019, the USGS expanded their partnerships to include an additional MOU with the Ecological Society of America, and continued for the second year a partnership with the GIS Certification Institute. These new partner organizations have nominated additional exceptional students in other areas of expertise that are needed by our USGS scientists, particularly those with projects based in ecology, biology, and GIS. These new partnerships have been a positive addition, as they have not only allowed the YES office to nearly double the number of students placed in internships using this exceptional hiring authority, but it has also served as a tool to garner additional interest in the program bureau-wide brought in additional geology-focused projects as well.

6/18/19

Eleanour Snow /s/
Youth and Education in Science Manager
U.S. Geological Survey

Laura Corey /s/
Education Program Analyst

U.S. Geological Survey

Dr. Kurtis Burmeister /s/
Executive Secretary, NAGT-USGS Cooperative Field Training Program
University of the Pacific

NAGT/USGS 2019 Cooperative Summer Field Training Program Internship Placements

Student Intern	Project Title	Researcher
Gui Aksit University of Washington	Volcanic hazards in the Pacific Northwest	James Vallance, Alexa Eaton, Cynthia Gardner Vancouver, WA
James Atterholt Indiana University	High resolution geophysical investigations of hazardous faults and seismic ground motions	William Stephenson and Alena Leeds Golden, CO
Arty Bateman University of Oregon	Quantifying fluxes and resources in the water cycle	John Nimmo and Kim Perkiins Menlo Park, CA
Desiree Bayouth Garcia University of Puerto Rico	Quantifying past and present topographic change in the crater of Mount St. Helens	Angie Diefenbach Vancouver, WA
Jonathan Bell Ohio State University	Vance Creek groundwater/surface water interactions	Chris Curran, Kristen Jaeger, Rick Dinicola Tacoma, WA
Jackson Bodtker University of Utah	Structural evolution and uplift of the northern California coast ranges	Ben Melosh Menlo Park, CA
Connor Boraddus Fort Lewis College	Evaluating the Nisqually River Delta: 10 years after restoration	Isa Woo and Susan De La Cruz Olympia, WA
Max Burnham New Zealand Frontiers Abroad	Global volcanic hazard and risk database for the Volcano Disaster Assistance Program	Heather Wright Vancouver, WA
Darek Caro University of California, Davis	Arsenic sources in Klamath Basin, Oregon	Brent Topping Menlo Park, CA
Daniel Colwell University of St. Andrews	Geophysical investigations related to geothermal, mineral, water resources and natural hazards in the western U.S.	Jared Peacock Menlo Park, CA
Brandon Dean Colorado State University	Geophysical investigations related to geothermal, mineral, water resources and natural hazards in the western U.S.	Jared Peacock Menlo Park, CA
Sarah Dunn Indiana University	Aquifer recharge area study/water-budget components of Guemes Island	Sue Kahle and Andy Long Tacoma, WA
Olivia Enriquez Sul Ross State University	Fluvial geomorphology of the Chippewa and Upper Mississippi river basins	Jeffrey Ziegeweid Mounds View, MN
Clayton Forbush Brigham Young University Idaho	USGS mineral deposit database	Carma San Juan Denver, CO
John Grab Montana State University	Geodetic monitoring of volcanoes in the western U.S.	Daniel Dzurisin Vancouver, WA
Michael Greenfield Indiana University	Characterization of hydrologic resources in Pennsylvania with emphasis on pesticides in vulnerable aquifers and variation of groundwater quality with time	Jeffrey Chaplin New Cumberland, PA
Jiyan Hatami Wasatch Uinta Field Camp	The influence of floodplain geomorphology on nutrient biogeochemistry, water quality, and watershed processes	Greg Noe Reston, VA
Jaime Hirtz University of Texas Austin	Ozark Dome-Arkoma Basin-Ouachita belt transect	Mark Hudson Denver, CO
Amanda Jayo University of Utah	Field validation of remotely-sensed alpine lake productivity	Jill Baron Fort Collins, CO
Wes Johns Western Washington University	Natural hazards research	Stephen DeLong Menlo Park, CA
Ellen Justis Iowa State/University of Nebraska	Hydro-ecology of arctic thaw	Josh Koch and Mike Carey Anchorage, AK
Sean Kacur University of Texas Austin	Phytostabilization in action: optimizing plant-microbial communities for enhanced colonization of acidic tailings	Mary-Catherine Leewis and Courtney Creamer Menlo Park, CA
Regina Khoury Humboldt State University	Melt and fluid inclusion analysis in resource investigations	Albert Hofstra Denver, CO
Liam Knudsen Western Michigan University	USGS mineral deposit database	Carma San Juan Denver, CO

Adrian Landstedt University of New Mexico	Quillayute Basin sediment production	Kristin Jaeger and Chris Curran Tacoma, WA
Ashley Lynn University of North Carolina	Shallow marine foraminifera during past warm intervals	Marci Robinson Reston, VA
Andrew Madsen Wheaton College	Earthquake and tectonic studies of the central and eastern U.S.	Walter Mooney Menlo Park, CA
Brandon Maples University of Oklahoma	Applied hydrogeophysics research	John Lane Storrs, CT
Gary McGaughey University of Nevada Reno	Understanding the Impacts of green stormwater infrastructure on water quality	Kristina Hopkins Raleigh, NC
Maurice Mitchell George Mason University	New York surface water and ground water data collection	Andrew Waite Ithica, NY
Daniel Mongovin Central Washington University	Northern California active fault mapping and paleoseismic studies	Belle Philibosian, Carol Prentice and Suzanne Hecker Menlo Park, CA
Marissa Murr University of Wyoming	Using remote sensing data to analyze hydrogeomorphic changes in a small high-desert stream	Cheryl Miller and Jason Alexander Cheyenne, WY
Grant Palmer North Carolina State	Quantifying sediment transport and lag times	Katie Skalak and Adam Bentham Reston, VA
Emily Perman University of Oregon	Field mapping and luminescence geochronology	Cal Ruleman and Shannon Mahan Denver, CO
Rachel Phillips University of Texas Arlington	Earthquake geology in the western U.S.	Rich Briggs Golden, CO
Karlee Prince Northland College	Holocene drought history inferred from lake lowstands in the southeastern U.S.	Jessica Rodysill Reston, VA
Pablo Saunders-Schultz New Zealand Frontiers Abroad	Volcanic hazards in the Pacific Northwest	Ben Pauk and James Vallance Vancouver, WA
Max Saylor Dartmouth College	Hydroclimatic change in Alaska from Holocene proxy records	Lesleigh Anderson Denver, CO
Daniel Schmidt University of Missouri Columbia	Melt and fluid inclusion analysis in resource investigations	Albert Hofstra Denver, CO
Max Schwid University of Wisconsin Oshkosh	Missoula flood mapping project	Ralph Haugerud and James O'Connor Portland, OR
Mackenzie Shepherd Bowling Green State University	Three-dimensional digital hydrogeologic mapping of the Santa Maria Valley and the California Coast Ranges	Geoff Cromwell and Don Sweetkind Santa Maria, CA
Joseph Syzdek Illinois State University	Surface water and ground water networks	Alicia Gearwar Troy, NY
Jeffrey Wade Wasatch Uinta Field Camp	Cape Cod aquifer hydrologic studies	Denis LeBlanc and Timothy McCobb Northborough, MA
Jordan Wang University of Washington	Geological and geophysical studies of the San Andreas Fault system	Shane Detweiler and Walter Mooney Menlo Park, CA
Katherine Worms University of Utah	Late Holocene Colorado River discharge to the Gulf of California	Michael Toomey Reston, VA
Lara Yagodzinski Souther Illinois Carbondale	Gulf Coast project	Jean Self-Trail Reston, VA

Report to NAGT Exec Comm: NGSS-ESS Implementation - March 2019

Please review the overview of the programming the members of the NGSS-ESS Working Group (Aida Awad, Ed Robeck, Carla McAuliffe) have undertaken. Andrew Haveles supports the webinars by overseeing registration, recording the webinars, running the slide decks, offering technical support to presenters ahead of time, and collecting end of webinar survey data. [Click here to view slides that provide an overview of our progress over the last three years.](#) (Slides are taken from a talk we gave at the American Meteorological Society Annual Meeting in January in Phoenix, Arizona.)

Main Points from the AMS Presentation:

- We have had a combined total of 2896 unique, engaged, visitors to our Webinar pages. These are users who were on the Webinar pages for at least 30 seconds and/or downloaded a file from them.
- From attendance data, the majority of participants (71%) indicated they had viewed 1 Webinar, indicating that we keep getting new people participating in the series.
- Webinars are promoted through postings and emails to the following: NGSS-ESS Interest group listserv, NESTA Facebook Group and Twitter feeds, AGU Community Announcements, LinkedIn, NESTA E-News, NESTA website front News and Announcements; and NAGT eNews.

Upcoming:

- Webinars are confirmed for March, April, and two in May:
 - March 14: Doug Lombardi from Temple University -- Thinking Scientifically in a Changing World
 - April 18: Steve Kerlin, Stroud Water Research Center -- Wiki Watersheds and NGSS
 - May 9: Annie Scott and Eleanor Snow, USGS -- Powell Sesquicentennial Events
 - May 23: GLOBE Program

Future plans:

- 2019-2020 Webinar series focus on assessment and resources. Plans are underway for a kickoff webinar in September possibly featuring Achieve, with three or four follow-up webinars throughout the year focusing on assessment. The remaining three or four webinars will feature resources.
- Continue to work to move all archived and future videos to the AGI YouTube channel. (Approved by Exec Comm last year.)
- GSA Technical Session Proposal submitted:
 - This active learning, hands-on approach session will allow participants to engage with curriculum materials and sample activities from several organizations that are unified by their attention to NGSS-aligned, three-dimensional instruction that takes a phenomenon-based approach.

NAGT Professional Development Planning Committee Annual Report 2018-2019

The National Association of Geoscience Teachers (NAGT) programs overseen by the Professional Development (PD) Committee had much success during the 2018-2019 year. This report provides a summary of the programs managed by the NAGT PD committee. Full reports from each program are available at:

https://nagt.org/nagt/about/workspaces/workshop_plan/programactiviti.html

Earth Educators' Rendezvous

Meeting Co-Chairs: Caitlin Callahan, Grand Valley State University, and Lynsey LeMay, Thomas Nelson Community College

Overview: Conference held July 15-19, 2019 at Tennessee State and Vanderbilt Universities, Nashville, TN. **301 participants**

Meeting website: https://serc.carleton.edu/earth_rendezvous/2019/index.html

“The 2019 Earth Educators’ Rendezvous was jointly hosted by Vanderbilt University and Tennessee State University. The latter has the distinction of being the largest and only state-funded historically black university in Tennessee. The setting was a prominent consideration in the process of building the program. Notably the plenary session on Thursday featured a panel of faculty from HBCU institutions, including one from TSU. There was also a two-day workshop related to broadening participation of underrepresented minorities in geosciences, hosted by faculty from both host institutions who are collaborating on an NSF GEOPATHS project. The planning process for the Rendezvous benefited greatly from NAGT-community input through the online suggestion form. While there were no new types of session formats this year, we did experiment with adding a two-day mini-workshop on Tuesday and Wednesday afternoon. We repeated a new program element from 2018, the Share-A-Thon of teaching resources. This year the Planning Committee included two members whose primary responsibilities were to review the end-of-event evaluations of the Rendezvous. Their results highlight participants’ appreciation for the Rendezvous as an opportunity to interact with others of a similar mindset and an opportunity to find collaborators. The summary of evaluation data also drew attention to participants’ suggestions for more semi-organized social time after sessions as well as a means for connecting with participants after the conference. In response, we encouraged workshop leaders to help participants continue conversations over meals, and we made particular efforts to announce end-of-day social opportunities. For 2020, we recommend to expand and develop further the evaluation process after this initial pilot year. We also recommend continued efforts to diversify the disciplinary backgrounds and experiences represented in workshop and roundtable leaders.”

Early Career Workshop

Workshop Conveners: Tessa Hill, UC Davis; Sarah Penniston-Dorland, University of Maryland; Josh Galster, Montclair State University.

Overview: Workshop July 28-August 1, 2019 at the University of Maryland, College Park with optional visit to NSF on August 2, 2019. **63 participants**

Program website: <https://serc.carleton.edu/NAGTWorkshops/earlycareer2019/index.html>

“The aim for the Early Career workshop is to provide concrete skills to support faculty in their early years of their teaching and research responsibilities. The workshop design is aligned to promote

attributes of faculty who are "quick starters", including developing regular work habits, avoiding procrastination, balancing work demands effectively, and seeking help when needed (Boice, 2000). Early years of a faculty position can be isolating, especially for women and underrepresented groups in science. Our program directly addresses this by fostering problem solving and utilizing a peer network of support. We rely heavily on best practices in the fields of mentoring and faculty development, including publicly available material from the National Center for Faculty Development and Diversity, and books such as *Advice for New Faculty Members* (Boice, 2000) and *Slow Professor* (Berg and Seeber, 2016). In addition to networking faculty and developing strategies for research and productivity, we aim to train faculty in empirically validated, discipline specific, teaching practices, in line with recent recommendations in STEM fields (e.g., PCAST, 2012; Singer et al., 2012). Finally, the workshop prepares faculty to submit strong research proposals through sessions on writing and reviewing proposals, mentoring students and a visit to the National Science Foundation on the last day of the workshop.”

Preparing for an Academic Career Workshop

Workshop Leaders: Sue Ebanks, Savannah State University; Lisa Gilbert (lead convener), Williams College; Lynsey LeMay, Thomas Nelson Community College; Jessica Oster, Vanderbilt University; Catherine Riihimaki, Princeton University

Overview: Workshop held July 17-19, 2019 as a 3-day morning workshop (plus lunch and evening sessions) at the Earth Educators’ Rendezvous. **28 participants**

Workshop website: https://serc.carleton.edu/earth_rendezvous/2019/program/morning_workshops/w1/

“The main goals of the "Preparing for an Academic Career in the Geosciences" (Career Prep) workshop are for participants to improve their application and interview skills for academic jobs, become more effective at goal-setting and time management, and broaden their network of colleagues and resources to help jump-start their teaching and research as a faculty member. The workshop was held for the fourth year at the Earth Educators' Rendezvous. Participants rate the workshop highly with both quantitative and qualitative feedback provided in the end-of-workshop evaluation. Participants agreed that the workshop achieved its goals and appreciated having five leaders with diverse experiences.”

Traveling Workshop Program

Program Chairs: Dallas Rhodes, Humbolt State University; Catherine Riihimaki, Princeton University

Overview: 16 workshops at 16 different institutions; total of **212+ participants**

“During FY 2018-2019, the Traveling Workshop Program (TWP) Management Team received and reviewed 20 applications for workshops, approving 17 of them. Sixteen workshops, with a total participation of at least 212, were conducted during the year. The Geoscience and Environmental Science Departments and Programs workshops, Cross-Campus Environmental and Sustainability Programs, and Courses workshops were the most requested and the most often conducted (Table 3) during the year. No applications were received for either the Teacher Preparation or Supporting All Students workshops. All combined, the workshops received a weighted aggregate evaluation rating of 8.9 on a 10-point scale, with Baccalaureate (9.1) and Master’s (9.2) institutions evaluating the workshops more positively and Doctoral universities producing somewhat lower evaluations (8.7). The evaluations from each type of institution changed slightly, but the overall average was 8.9, the same as in FY 2017-2018. Progress was made on some of the issues mentioned in the FY2017-2018

report. With reference to specific points raised last year: 1) improvements in the session descriptions on the TWP website were made, but not in a particularly organized fashion; 2) at least four on-line training webinars of relevance to facilitators were held; 3) NAGT made significant efforts to publicize the TWP more broadly, although no applications were received for either the K-12 Teacher Preparation or Supporting All Students themes; 4) 14 facilitators with no previous workshop attendance led (12) or were scheduled to lead (2) workshops and 7 facilitators led their second workshop, making them candidates for the workshop lead in the near future and; 5) a regular rotation of the TWP Management Team's staffing was established, three people ending their terms each year. New issues mentioned in facilitators post-workshop reports and during Management Team meetings included: 1) lower than anticipated and uneven attendance during the workshop, which appears to be more acute for larger programs; 2) uneven documentation, web materials, and PowerPoint slides for different workshop modules (which often include multiple versions of similar materials); 3) difficulty in planning Cross Campus and Interdisciplinary workshops, largely because each interdisciplinary program is unique; and 4) a desire to use Google Docs or a similar platform for recording progress made during the workshops."

Teach the Earth Website

Website committee chair: Jen Wenner, University of Wisconsin Oshkosh

Website: <https://serc.carleton.edu/teachearth/index.html>

The Teach the Earth (TTE) website committee developed a policy for external site inclusion on TTE as well as a submission form for requests from external sites. They also surveyed users at the Earth Educators' Rendezvous to begin identifying gaps in content on TTE. The committee continues to discuss how to get relevant and up-to-date activities that are pedagogically strong. Current challenges for the committee include understanding and managing the current collection to understand content gaps, and updating content to keep it relevant.

AGU Workshops

- Engaging Environmental Justice in Geoscience Courses, **18 participants**
- Heads and Chairs Workshop, **42 participants**
- Coaching Strong Two-Year College Educators in Strategic Negotiations, **46 participants**
- Building Strong Geoscience Programs at Two-Year Colleges, **24 participants**

Webinars

Subcommittee Chair: Rory McFadden, Gustavus Adolphus College

Overview: This newly formed subcommittee will oversee planning of webinars for 2019-2020

"The NAGT webinar planning subcommittee formed in July 2019 to design and implement an annual webinar program that serves community needs and finds appropriate speakers to fill the webinar schedule. The webinars will showcase NAGT sponsored projects and programs, GER activities (as well as other sections and divisions), and professional development activities. The webinar planning subcommittee has had three meetings (two in July and one in August) to: 1) develop the charge of the committee; 2) assess the landscape of potential webinars from the range of NAGT sponsored projects and divisions, 3) develop a list of themes the webinars should broadly cover; 4) develop a promotion and advertising plan; and 5) create a webinar schedule for the weekly

webinar series). The subcommittee will meet two more times during the fall semester to finalize the fall webinar schedule and start planning webinars for the spring portion of the series.”

The following webinars were held before the webinar subcommittee was formed:

NGSS-ESS Webinars: 9 webinars, 262 participants

Website: https://nagt.org/nagt/profdev/workshops/ngss_summit/webinars.html

Webinar team: Aida Awad, NAGT; Ed Robeck, AGI; Carla McAuliffe, NESTA

“Beginning in 2015 the American Geosciences Institute's Center for Geoscience and Society, the National Association of Geoscience Teachers, and the National Earth Science Teachers' Association collaborated on a webinar series on a variety of topics of interest to educators implementing the NGSS-ESS. Broadly, the webinars fall into four categories: classroom teaching resources, teacher preparation and support, learning about the NGSS (e.g., NGSS basics), and extending NGSS-ESS (e.g., through curricular integration). The webinars provide opportunities for learning, sharing, and discussion, but more broadly they serve as a concrete demonstration of the long-term value given to K-12 education by members of the geoscience community. The 2019-20 webinar series kicks off September 12, 2019 with “Using the NGSS to Change Worlds,” a webinar presented by Matt Krehbiel, Director for Science, Achieve. It will be followed by webinars in October, November, January, February, March, April, and May (fall webinar topics and presenters are confirmed, spring topics TBA).”

Geoscience Education Research (GER) Webinars: 0 webinars

Submitted September 16, 2019 by

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NAGT Nominating Committee Annual Report
September 2019
Don Haas
Past President 2018-2019
Report prepared: September, 2019

- Nominating Committee (chaired this committee of the 5 most-recent Presidents to identify candidates to run/serve as 2nd Vice President and two open Councilor-at-Large positions.
- The slate of candidates developed by the committee was strong and has been elected. They are:
 - Crowder, Margaret, Second Vice President
 - Stephen Mattox, Councilor at Large
 - Ryan Hollister Councilor at Large
- It is an odd structure to have the newest member of the committee serve as its chair, but support from the national office makes it workable.

NAGT Advocacy Committee Annual Report
September 2019
Don Haas
Report prepared: September, 2019

Don Haas reassumed chair from Mike Phillips, effective at GSA 2018. As he leaves the Executive Committee at GSA 2019, the chair will pass to Catherine Riihimaki and both (Past Chair) Mike and Don will support the transition.

The committee has had an active year, but the world seems to face an ever-increasing need for advocacy around geoscience education, so we wish for ever-greater bandwidth to engage with these important issues. For a more detailed overview, see the meeting minutes posted in the [Advocacy Committee Workspace](#), but some highlights follow.

It was a comparatively quiet year in terms of state-level legislative activities threatening geoscience education. Don was in regular contact with NCSE who monitors these issues closely. While there were some threatening proposed bills, none of these made it out of committee.

Don Haas and Eric Pyle authored a chapter, “Working the Professional Organizations” for the forthcoming book *Teaching Climate Change in the United States*. The book is edited by Joseph Henderson and Andrea Drewes. It is to be published in the next few months by Routledge. Haas and Pyle’s chapter discusses how professional organizations, with a focus on NAGT and NSTA, support climate change education.

We are currently reviewing older position statements and procedures for updating them. Both the position statement on evolution and climate change predate the release of the NGSS, and while much of their content is timeless, these statements are due for revision.

At our August meeting, the forthcoming House Resolution sponsored by California Representative Barbara Lee was discussed, and Don drew from this discussion to provide feedback on the resolution. It is now being circulated amongst members of the House seeking co-sponsors. I corresponded with Lee’s staffer, Victor Yang, noting that I would follow up with him about an NAGT endorsement. Before I secured that endorsement, the resolution was circulated with NAGT’s stated endorsement. While I regret that this didn’t play out quite according to my expectations, I think our endorsement is appropriate and hope other do as well! A press release from Lee’s office is [here](#).

The October meeting will focus on developing a response to the House Select Committee on the Climate Crisis’s Request for Information. That request is posted in the agenda for the meeting.

Committee membership changes:

Note that Advocacy Committee Member, Sherry Oaks, passed away in 2018.

Wendy Van Orden's term expires and Euan Mitchell is returning to the UK and is resigning from the Advocacy Committee. We are seeking new members.

Future meetings are scheduled for Friday, October 25, Friday, January 24; at 1:30 Eastern/12:30 Central/11:30 Mountain/10:30 Pacific

2018-2019 Meetings:

- July 17 (F2F @ EER)
- February 8, 2019 (virtual)
- April (virtual)
- June 28 (virtual)
- August 23 (virtual)