



# **National Association of Geoscience Teachers**

## **2022 Annual Report**

Prepared for the 2022 Annual Meeting  
Denver, Colorado

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## Annual Report

2022

*Margaret Crowder  
President*

Goals for NAGT work over the past year

*Describe the goals you defined in your mid-year report or any new ones that you've developed since then.*

The Ad-Hoc Sections committee has continued to work and is close to drafting Bylaws changes to present for consideration and comment for geographic and absolute number changes to the current sections. The committee has received comment from the Council, from Ex Comm, and from attendees at the EER and feels confident in moving forward with the revisions. The committee has also suggested and had passed by Ex Comm a change to the liaison structure for sections. We are hopeful this streamlines the communication and provides more clear points of contact for all section leaders. A shared workspace for sections leaders has been developed. We are in the process of determining some of the types of things that should go on this space as information/guidelines and hope this improves communication and shared ideas between sections.

I still hope for the future to help in recruitment of members and increasing DEI.

Fortunately, scheduling on the Advocacy committee has allowed me more participation this last half of the year, but only just!

Progress towards goals: Participation and achievements as an officer of NAGT

*Describe permanent and ad hoc committees you've served on and your role on those committees, participation and/or leadership in the professional development program, liaison work with external organizations, and any other work that you have done in your role as an officer to advance NAGT's mission and goals. A combination of bullets and narrative style would be appropriate here; consider what the membership should know about your work.*

I have served as Chair of the Neil Miner Award committee and the Ad-hoc Sections committee over this past year. I've also served on the Executive Director Evaluation committee. External to NAGT, I've been a member of the AGI Inter-Society DEI committee.

The Neil Miner Award was not awarded this year.

Work on the Sections committee continues – we hope to have Bylaws changes drafted in the near future along with a timeline of other changes and considerations that need to be in place. The Sections committee has also suggested and had passed by the Ex Comm changes to the liaison structure for sections communication with Ex Comm and with each other.



The Executive Director Evaluation committee completed its work last month and NAGT is fortunate to have Anne Egger stay with us in this role. We are excited for her continued work on behalf of NAGT.

The AGI Inter-Society DEI committee meeting times have, unfortunately, not coordinated well with my schedule, so I haven't been involved in recent work. We do have another NAGT member representative, so we should still have a voice in those meetings. I hope the schedule can be better for me to join their meetings again in the future.

Progress towards goals: Other achievements and work relevant to NAGT

*Describe any other work that is relevant to your role in NAGT.*

I work to promote high-quality Earth education in everything I do. In my classroom, I use a variety of evidence-based practices to increase student learning and try to stay up-to-date on new ideas for classroom, field, and online education. With my colleagues, I promote the activities I do with my students and encourage them to try new things, including talking about the research that exists to show enhancements in student learning outcomes with different techniques.

I share NAGT workshops and resources with my colleagues both to increase their awareness of the organization and to help them incorporate high-quality materials and research-based practices for their students. I also “like” and “share” NAGT posts from social media to help publicize the organization.

As our Geological Sciences program revises our senior assessment of student learning given in the capstone professional preparation course, I will help the program choose sound methods developed in geoscience education research to complete the revisions.

I am a member of the American Geosciences Institute (AGI) Intersociety Diversity Committee and have been since its inception in 2019. Through that committee, I learn a tremendous amount from other societies and committee members about ways to improve diversity, equity, and inclusion (DEI) within the Geosciences. This is something about which I've been passionate for a long time – as a minority female, I was fortunate to have female mentors in my undergraduate career. I work hard on my own campus to now be the mentor. As the advisor for our program, I am able to work with each of our students to ensure they feel they belong and can succeed. In my college, I am a member of our college level DEI committee and have been since that started in 2017. Last year, we were successful in getting a college DEI statement posted on our website and getting some changes within our hiring processes for faculty. I am also a part of our department DEI committee and we have developed a DEI statement and goals for the department that are now posted on our website.

I am current chair of the Sections committee that seeks to address prioritized action #3. We have worked on a map of geographic boundaries for sections, reducing the number of overall sections and working to better align spatially with GSA sections. The committee has had approved a revision to the liaison structure and sections will now have two co-liaisons who communicate with and work with sections on issues from leader transitions and training to sharing general information on section needs and requirements.



Goals for NAGT work in the next year

*Describe the goals you would like to work towards in the coming year, highlighting their alignment with NAGT's mission and goals, and making connections to the membership or subsets of the NAGT membership as appropriate.*

Finding more ways to help with recruitment of new members and expanding our work on DEI.

Finalizing the work of the Sections committee. This work seeks to address prioritized action #3.

Successfully transitioning to Past-President.



## Annual Report

2022

*Christy Visaggi*

*1<sup>st</sup> Vice-President*

### **Goals for NAGT work over the past year**

*Describe the goals you defined in your mid-year report or any new ones that you've developed since then.*

I used the NAGT goals and actions as a guide in drafting my mid-year report. To summarize from that report and to include more recent updates, see here for ways in which I work to address each of the NAGT goals and actions.

#### **Goal #1: Promoting high-quality Earth education**

I have focused on increasing visibility of NAGT, Earth education, and related resources via Twitter and other social media, by sharing opportunities to colleagues at my university and in my networks, by featuring what we do and offer as part of conference presentations, etc. I am also exploring options to host a future EER in Atlanta. As the recipient of both the 2022 GSA Biggs Award for Excellence in Earth Science Teaching and the 2022 AGU Dorothy Stout Education Lecture Award, I hope to bring increased visibility to the importance of Earth education and our work at NAGT.

#### **Goal #2: Fostering and disseminating research in geoscience education**

I have shared research papers on social media and in my networks and continued to collect data in my own courses. I also contributed to the GSA Today editorial response regarding the value of GER. I continue to stress the importance of GER to faculty at my institution and elsewhere and encourage all to look to NAGT to grow their knowledge.

#### **Goal #3: Driving change toward equitable and inclusive system of geoscience education**

This is a major emphasis for me given my role as an Undergraduate Director at a minority-serving institution, being a Ford Fellow, and in doing various activities to expand pedagogy that is culturally responsive and inclusive. I am leading the TED DEI committee and related work on a DEI position statement. I attended pre-meeting activities for the AGU Justice in the Geosciences conference. I have focused on compiling and developing career and classroom resources for marginalized and diverse students. I secured funds to have the TWP come to GSU and work with our faculty on Supporting the Success of All Students, which included collecting data on student perspectives to help drive DEI efforts. I've also worked to implement changes in the curriculum at my institution with DEI in mind including direct mentoring of TAs and students. This year I'm also attending SACNAS and supporting students in presenting at the meeting to help expand my knowledge of this organization. I'm also collaborating on several projects to create bilingual resources for Spanish speakers. During GSA, I'll be hosting a NAGTea session to further promote DEI conversations.



Goal #4: Support current and future geoscience educators throughout their careers

I have encouraged others to participate in PD offered by NAGT via conversations with colleagues, graduate students, as well as while interviewing faculty candidates and in reviewing promotion packages as an external reviewer for others. I have connected to local educators via Atlanta Science Festival events, presentations at the regional SEGSA and Environmental Educator Alliance meetings, and in other settings to direct them to opportunities and resources offered by NAGT for their classroom and career goals.

\*\*\*\*\*

Action #1: Increase the value of NAGT membership and programming for K-12 teachers.

I helped establish the K-12 ad hoc committee in supporting Ryan and Laura Hollister in that work. Likewise, I have guided Ryan and Laura in now overseeing the OEST awards. I'm submitting an abstract for NSTA to speak in part about NAGT/TTE to K-12 educators. I also communicated with the GSA K-12 rep to help promote virtual options pre-GSA.

Action #2: Increase the value of NAGT membership and programming for students

Most of my work related to this action item has been at my own institution and networks in building awareness, but I have a few ideas related to opportunities that we could offer students via NAGT. I wish I had a group like NAGT during my student years!

Action #3: Re-envision and strengthen our framework for sections

I'm supporting Margaret in running the section ad hoc committee and have led in conversations related to reimagining sections, both in how better to support them via structural changes and resources as well as in redefining geographic boundaries to have fewer but more robust sections that additionally include enhanced alignment to GSA.

Action #4: Diversity and expand our membership, leadership, programming participants, and award winners

I've advocated for changes to TTE to increase visibility of DEI as part of what we do in educational resources that we promote, in alignment with this action item. During a summer meeting focused on fundraising/development needs, I proposed a DEI-related campaign to have an option for contributions to be given to NAGT specifically to support a suite of programming and resources specific to DEI. I am really interested in pursuing further this idea in part to also demonstrate a stronger commitment to DEI in our work. In addition, I am very much interested in finding new ways to have an expanded reach for EER, including models that might include a separate but related virtual participation. I recognize that hybrid models are complex, but I also think more could be explored in that regard, in a way that allows participants from home to 'belong' and engage in EER. Several members have raised the idea of offering streaming for key presentations and a handful of virtual only sessions/workshops at the same time. Educators at institutions with fewer resources, or who may have competing needs due to personal limitations, and/or have other challenges in being able to join in person could benefit from a deeper look at options. I'd like to see NAGT do more in reaching across the aisle as well in communicating further with organizations in geosciences specifically focused on DEI. These items are necessary in my mind to elevate the focus of this particular action item.





### **Progress towards goals: Participation and achievements as an officer of NAGT**

*Describe permanent and ad hoc committees you've served on and your role on those committees, participation and/or leadership in the professional development program, liaison work with external organizations, and any other work that you have done in your role as an officer to advance NAGT's mission and goals. A combination of bullets and narrative style would be appropriate here; consider what the membership should know about your work.*

Here I've included a snapshot of the ways in which I have or currently contribute to NAGT. There are other divisions that I've held or hold membership in but have not been as actively involved and so they are not listed here. Other committees, such as for the Miner Awards, represent additional responsibilities as part of my work on ExCom. More recently, I've also contributed to conversations related to an increased focus on membership, fundraising, and more. The primary activities I have done as part of service to these groups is included here.

- ◆ **NAGT ExCom:** *2<sup>nd</sup> Vice-President (2020–2021), 1<sup>st</sup> Vice-President (2021–Present)*
  - Regular responsibilities and as they come up for the presidential line and ExCom
  - Running and contributing to planning of NAGT council meetings over the last year
  - Related roles:
    - GSA Associated Societies Liaison (2020–Present)
      - Actively participated in conversations related to modality at meetings
    - Investment Committee: *Ex-Officio Member (2020–2021)*
      - Joined discussions related to exploring/moving/diversifying investments
- ◆ **K-12 Ad Hoc Committee:** *Founding Member (2020–Present)*
  - Contributed to drafting charge, recruiting members, outlining tasks, etc.
  - Compiled items for Earth Science Week and material for K-12 promotion
- ◆ **Section Ad Hoc Committee:** *Founding Member (2020–Present)*
  - Contributed to drafting charge, recruiting members, outlining tasks, etc.
  - Led conversations focused on section efforts at council meetings, developed Jamboards, compiled insight and information related to redefining section boundaries, etc.
  - Proposed and received approval for a change to the section liaison model now with an Executive office and ExCom member along with more on the shared workspace to come
  - Outlining a vision of next steps, timelines, and resources needed for elevating sections
- ◆ **Teacher Education Division:** *ExCom Liaison & TED DEI Committee Chair (2020–Present)*
  - Attended meetings, a few methods forums, and chaired TED DEI meetings
  - TED DEI work has mostly focused on drafting the DEI position statement in 2022 and encouraging more cross-communication on DEI initiatives throughout all of NAGT
  - Hosting an NAGTea event at GSA to promote community and conversation re: DEI
- ◆ **SE Section:** *President (2014-2016), GA Representative & OEST Coordinator (2017–2020)*
  - Still aiding the SE section such as via communication and support for officers, OEST awards, and events including contributions at the SEGSA lunch meeting for the section



### **Progress towards goals: Other achievements and work relevant to NAGT**

*Describe any other work that is relevant to your role in NAGT.*

I continue to be active in contributing to and learning from other related groups/organizations whether as part of my involvement in leading relevant programs on education/outreach such as for Atlanta Science Festival or the Paleontological Society and National Park Service or as an attendee and/or presenter at various professional meetings. My conference participation, much of it with students, over this last year includes SEGSA (April), Strong Start to Finish (May), GSA (October), SACNAS (October), AGU (December), and the Environmental Education Alliance for the SE region (September), and I am in the process of preparing a submission to NSTA for spring. Of particular note, I'll also be giving a featured lecture at AGU on education/outreach as part of receiving an award. This year, after a pilot year of development, I officially launched the Paleontology in the Parks program to expand access to educational opportunities for students as well. At Georgia State University, I'm on the QEP College to Career Executive Committee, serve as chair of our High Impact Practices Implementation Team for USG, and am the Senior Faculty Associate for Signature Experiences. Through these roles I have contributed to work related to career readiness and discussion regarding change to our core curriculum including focused areas of emphasis such as on global human-environmental challenges. Many of the university conversations begin with work I do in the Department of Geosciences with goals of an expanded reach beyond GSU. Much of what I do in the classroom for my own courses and as Undergraduate Director in Geosciences overlap with many of the NAGT goals by promoting high-quality Earth education and supporting my colleagues and students in their journeys. The TWP on Supporting the Success of All Students was highly valued by our faculty; I look forward to contributing to ongoing work in my department along these lines, including most recently as part of GSU receiving a Cultural Transformation in the Geosciences Community grant from NSF.

### **Goals for NAGT work in the next year**

*Describe the goals you would like to work towards in the coming year, highlighting their alignment with NAGT's mission and goals, and making connections to the membership or subsets of the NAGT membership as appropriate.*

- Update the section model and make necessary changes to the bylaws
- Rekindle inactive sections and strengthen existing sections via structural supports
- Improve cross-section communication and shared resources on the workspace
- Complete the draft DEI position statement and move forward in that process
- Increase connections between members doing DEI work in the NAGT community
- Have DEI be a more integral part of activities, reporting, fundraising, and more
- Engage more with other organizations to look for collaboration opportunities
- See an increase in interest from K-12 members and events/resources for them
- Enhance promotion and recognition of OEST awards within and beyond NAGT
- Explore options for future EER meetings both with virtual components and in Atlanta
- Learn more about opportunities for student members and ways to get involved
- Organize and collate various resources I've worked on with students to expand access
- Be flexible, learn, and listen to needs of NAGT members as the incoming president! 😊



## Annual Report

2022

*Reginald S. Archer*

*2<sup>nd</sup> Vice President*

Goals for NAGT work over the past year

*One of the main goals was to gain a stronger understanding of the NAGT governance and operations in preparation for my role as 1<sup>st</sup> VP and then President. One of the other goals was to build or strengthen relationships with some other organizations.*

Progress towards goals: Participation and achievements as an officer of NAGT

*I participated in business meetings, throughout the year for*

- *Presidential line,*
- *NAGT Executive Committee*
- *NAGT Council*

*In addition, I served on the*

- *NAGT Investment committee*
  - *We voted on important decisions related to improving our financial positions and making it easier for the organization to manage the financial investments.*

- *NABG Liaison*

*As a liaison to National Association of Black Geoscientists (NABG), I connected with their leadership and expressed some opportunities for relationship building. I was also invited to be a keynote speaker at the 2022 NABG Annual conference luncheon.*

- *TWP Management committee, 2<sup>nd</sup> term*

*I continue to serve on the TWP management committee in my 2<sup>nd</sup> term and also continue to facilitate workshops. The next workshop is a BIG-L workshop.*

Progress towards goals: Other achievements and work relevant to NAGT

*Other achievements relevant to NAGT include*

- *Received an extension of the NSF supplemental grant to Becoming an Inclusive Geoscience Leader (BIG-L). The success of the previously NSF funded training workshop and the interest in expanding our professional development to reach graduate students has led to the request for supplemental funding for NAGT to develop “BIG-L” workshops for graduate students. We are continuing to build the workshop templates and materials related to the BIG-L workshop*
- *Attended EER 2022 in Minneapolis MN.*
- *I am currently serving as an Associate editor for the Journal of Geoscience Education (JGE) entitle “The Effects of the COVID-19 Crisis on Geoscience Education: Insights, Problems, and Unanticipated Benefits”*

Goals for NAGT work in the next year

- *Work to fulfil the duties of the 1<sup>st</sup> VP and gain a stronger understanding of the Presidential role of NAGT.*



- *Become more involved/engaged with the sections, divisions, and other committees in NAGT*
- *Continue to liaise and build on opportunities to connect with groups representing diverse backgrounds such as:*
  - *Nation Alliance of Black School Educators (NABSE) <https://www.nabse.org/>*
  - *National Association of Black Male Educators <https://nabme.org/>*
  - *The Black Teacher Collaborative <https://blackteachercollaborative.org/>*
  - *Disabled in STEM <https://disabledinstem.wordpress.com/>*
  - *Social media handles:*
    - @BlkinGeoscience*
    - @blackgeogorg*
    - @NABGSocial*
    - @aapigeosci*
    - @BlackinMarSci*
    - @BlkinGeoscience*
    - @SWMStweets*
    - @GeoLatinas*



## Annual Report

2022

*Mike Phillips*

*Secretary/Treasurer*

### Goals for NAGT work over the past year

I planned to help develop a “simple” one-page explanation of how accrual accounting works and how to read the NAGT budget and quarterly reports and to either get Oakmark to move away from some of its more Byzantine requirements or move our investments to another provider. I planned to work with the Advocacy Committee to redevelop its website to be more up-to-date and user friendly. I planned to help develop a member recruitment and retention program. I planned to help develop an annual fund-raising program for NAGT. Looking farther out, I hoped to look at the possibility of NAGT sponsoring/developing a field trip at GSA’s annual meeting each year (and possibly at GSA section meetings).

### Progress towards goals: Participation and achievements as an officer of NAGT

**Secretary/Treasurer:** At the recommendation of the **Investment Committee**, NAGT will be moving the remainder of our investments out of OakMark and into funds at another brokerage firm over the next year. I did not do anything with respect to the one pager on accrual accounting; however, I met with our auditors in late August and invited them to October Executive Committee meeting to discuss the audit findings which will allow the members to develop a better understanding of the organization’s finances. To improve NAGT’s long term financial prospects, the **Development and Membership Committees** have been rejuvenated and begun meeting; the Development Committee is working on a long-term fundraising plan which will include outreach to people and organizations outside our membership that have similar goals. As **Secretary**, I was able to share draft minutes of the Exec Comm and Council meetings within less than a week (typically with a few days); this is important because it allows those present to review them and provide feedback while their memories of the meeting are fresh and provides those who missed the meeting with a timely summary.

**Advocacy:** Catherine Riihimaki led the development of a new Advocacy page on the NAGT web site; that new page is now live. The Advocacy Committee has been reviewing and developing updates to the NAGT’s Position Statements. Revisions of two of the statements (K-12 Education and Dual Credit) have been completed, and we are beginning the process of evaluating the statement on Evolution. (Revision of the Climate Change statement was completed in 2021.) A proposal to develop a statement on Diversity, Equity, and Inclusion was approved by the Exec Comm at the September 2022 meeting. In July, the American Geophysical Union (AGU) announced a return to in-person Congressional Visit Days (CVD); three members of the Advocacy Committee were accepted of which two (Cory Forbes and I) were able to participate. I was partnered with a soil science professor/President of the Soil Science Society of America (SSSA) from Indiana and the SSSA Government Relations Manager who acted as our facilitator; we met with staff from the offices of the Senators from Illinois and Indiana with whom we discussed the importance of Federal funding for research and to support educators. The Advocacy Committee added two new members (Cory Forbes and Brendan Anderson) to replace members rotating off (Catherine Riihimaki and Frank Granshaw).



**Geo2YC Division Liaison:** I attended meetings of the Geo2YC Executive Committee and shared updates on NAGT Exec Comm activities.

### **Progress towards goals: Other achievements and work relevant to NAGT**

I continue to serve on the Faculty Advisory Council to the Illinois Board of Higher Education where I advocate for both science and 2YC issues. In the past year, we discussed issues including the cost of textbooks, the increasing role of dual credit courses, and the college readiness of our student population. I have continued to work with the Illinois Department of Natural Resources and a local legislator on the development of a fossil park near my college; I was able to bring NAGT member and Mississippi State University Geology Professor Renee Clary to the site to meet with the park superintendent and discuss her work and research on fossil parks around the U.S. Dr. Clary offered to help us as we move forward with plans for the site. In June, I attended a workshop hosted by the Bermuda Institute of Ocean Sciences (BIOS); we were introduced to the data produced by BIOS and began developing ways to incorporate that data into the classroom. I encouraged workshop participants to share classroom modules they develop via NAGT's Teach The Earth platform.

### **Goals for NAGT work in the next year**

**Financial:** I would still like to work with Amy to develop a "simple" one-page explanation of how accrual accounting works and how to read the NAGT budget and quarterly reports. I think this would be helpful to current and future members of the Exec Comm when looking at our budget and budget reports. I would like to either get Oakmark to move away from some of its more Byzantine requirements or move our investments to another provider.

I would like the **Advocacy** Committee to develop a new leave behind sheet for inclusion on our web site; members will be able to print and share it when they engage in advocacy. We will continue to work on statement revisions; all four existing statements should be up-to-date and the new statement on DEI should all be complete by the Fall of 2023. When the revisions are complete, the committee should develop a list of topics on which to develop new statements or endorse the statements of partner organizations. I would also like NAGT to explore becoming a partner with AGU on their CVDs; the September 2022 CVD included the Geological Society of America, the American Meteorological Society, and the Soil Science Society of America as partners. I think participation would benefit NAGT members through the training and experience and the AGU by partnering educators with researchers when discussing the benefits of Federal programs that support both.

The **Membership** Committee is just beginning to meet; I anticipate that the committee will develop an understanding of underserved populations and then work on plans to reach those potential members. Personally, I would like to help develop better outreach to faculty at 2YCs.

I would like to help develop an annual fund-raising program for NAGT, which includes a format for letters to potential donors and "events" that can be passed along from leader to leader and adjusted based on successes and challenges.

**Jennifer M Wenner**  
**Past President, 2021-2022**  
**NAGT Year-end Report, Fall 2022**  
**Report prepared: September 24, 2022**

**Goals from last report:**

My goals from the last reporting period included transitioning to the role of Past President; supporting the work of the President, serve on committees as member *ex officio* and helping to facilitate our first in-person EER in summer 2022. I also plan to continue as a member of the TTE committee.

**NAGT Executive Committee work:**

In the last year, I attended 7 Executive Committee meetings and will attend the virtual meeting that would normally take place at GSA. At Executive Committee meetings, I have participated in discussions and decisions about a number of activities.

In the past year, the Executive Committee formed two ad hoc committees (sections and K-12) based on the strategic planning discussed at last year's Face-Face meeting. Several new advocacy policies have been drafted and are at various stages of completion. We have voted to sponsor several new projects. At the Face-to-Face Meeting, the Executive Committee continued to work on strategic planning and brainstormed new ways to raise funds. Although the Executive Committee established a Development Committee to accomplish fundraising work in January 2021, little has been accomplished on that front – new leadership of that committee was established this year to (hopefully) jump start the work.

Additionally, the Executive Committee decided to hold the EER as an in-person conference in 2022. This was met with some strong opinions about the ability for folks to attend in person particularly with concerns that the COVID pandemic was not over. Nonetheless, the in-person venue went forward in Minneapolis, MN, with a much smaller cohort of attendees than in the past. The Executive Committee also continues to support other professional development activities, such as the Early Career Workshop and the Traveling Workshop Program.

The Executive Committee successfully renewed the contract with the Executive Office (housed at SERC) as well as the contract of the Executive Director (Anne Egger) for another 5 years.

**NAGT Presidential Line work:**

I attended 9 presidential line meetings where we planned and outlined agendas for Executive Committee and Council meetings. Meetings were presided over by NAGT President, Margaret Crowder and NAGT Executive Director, Anne Egger, when planning Executive Committee Meetings; and by NAGT First VP, Christy Visaggi and NAGT Executive Director, Anne Egger, when planning Council Meetings.

Because Margaret Crowder will not be at GSA in person, I have been asked (and I plan) to preside over the Awards Luncheon at GSA.

**NAGT Council work:**

I attended two Council meeting (January and June) since GSA 2021. Meetings focused on reports from sections and divisions, updates from programs and committees, discussion of



the newly formed section committee (to redraw the boundaries of the current sections) and EER planning.

#### **NAGT Committee work:**

##### ***Teach the Earth Website committee***

The TTE Website committee met once since last GSA and I attended that meeting. We discussed some new projects, the installation of folks from UNAVCO as editors of some sites, the progress of the COMPASS project, and a partnership with EOS. We also talked about implementing a new vocabulary for diversity, equity and inclusion (DEI).

##### ***Executive Director Evaluation committee***

A committee was formed to review and evaluate the Executive Director's performance and to make a recommendation to the Executive Committee for the Executive Director's contract renewal. I was informed that I would be leading this effort. There were no materials that outlined the process of evaluating the Executive Director. As a result, I reached out to Gene Pearson to ask whether he had any materials. As he was on the previous two evaluation committees, he provided the evaluations and some information about what the committee had done. The Past President, the President, and the secretary/Treasurer made up prior committees and solicited feedback from a variety of leadership roles in the organization. Thus, November of 2021, a timeline was developed, and the evaluation committee was formed.

The committee was made up of Past President (me), President (Margaret Crowder) and Secretary/Treasurer (Mike Phillips). We met virtually twice to discuss and develop the process for evaluation. The process consisted of soliciting a self-evaluation from the Executive Director, developing a survey that was aligned with the current Executive Director contract, distributing the survey to stakeholders, and collecting evaluation data. The stakeholders included the members of NAGT Executive Committee, Editors of ITT and JGE, Past-Presidents and past councilors-at-large during Executive Director's current term, NAGT standing committee chairs, and NAGT Ex Office Staff. Once the feedback was collected, the committee drafted a summary evaluation.

During the July 28, 2022, Executive Committee meeting, the Executive Committee went into executive session and discussed the summary evaluation. The Executive Committee recommended renewal of the Executive Director contract for a 5-year period with regular feedback for the Executive Director from the Executive committee. Feedback collected during the executive session was included as an addendum to the original summary evaluation and distributed to the Executive Director and members of the Executive Committee. The Executive Committee approved the renewal of the Executive Director contract for five years and the Executive Office and the Executive Director have executed the contract.

##### ***Nominations Committee***

As chair of the 2022 Nominations Committee, I presided over one virtual meeting of the committee where we determined the slate of officers to stand for election. Prior to that meeting, I collected the nomination forms for officers (1 for 2VP and 4 for Councilor) and distributed them to the committee for review. We needed to nominate three councilors-at-large (2 three-year terms, and 1 one-year term) and second VP. The Nominations committee



determined our desired candidates and I contacted each of them to make sure they were willing to serve. Once I received an affirmative answer, the slate was set.

After election was certified, I sent a letter/email to the new officers, congratulating them and inviting them to sit in on the September Executive Committee meeting to get a feel for what the meetings are like.

The new officers, duly elected, are: Rory McFadden (Second VP), Lynsey LeMay (Councilor-at Large, 2022-2025), Michael Hubenthal (Councilor-at Large, 2022-2025), and Ryan Hollister (Councilor-at Large, 2022-2023). Their terms begin at the luncheon at GSA.

#### ***Neil Miner award committee***

The Neil Miner award committee did not meet this year. The chair (Margaret Crowder) did not call a meeting because there were no nominees.

#### **Liaison activity:**

##### ***Council for Undergraduate Research (Geosciences Division)***

No business meeting at GSA this year.

##### ***Central Section***

There has been little activity with respect to the [Central Section](#) over the course of the year. The section is not particularly active and have not kept up their webpage.

#### **Conference/meeting participation:**

I attended the Annual meeting of GSA in October of 2021, virtually. I also recorded several videos for the virtual NAGT/GSA Geoscience Education/GeoCUR awards ceremony.

I attended the Fall Meeting of AGU in New Orleans, LA in December 2021.

I attended EER in person in Minneapolis, MN, during mid-July 2022.

I attended the Geoscience Alliance Conference in Minneapolis, MN, in late July 2022.

#### **Other activities relevant to NAGT:**

I continue to work with Julie Sexton (University of Colorado) and Molly Jameson (University of Northern Colorado) to build and incorporate lessons related to affective domain and its relationship to science and mathematical learning. We recently published a paper: Sexton, J.; London, D.; Jameson, M.M.; Wenner, J.M. Thriving, Persisting, or Agonizing: Integrated Math Anxiety Experiences of University Students in Introductory Geoscience Classes. *Educ. Sci.* **2022**, *12*, 577. <https://doi.org/10.3390/educsci12090577>

I was one of the NSF Program Officers who welcomed and talked one-on-one with NAGT Early Career Workshop participants during the virtual visit to NSF. I provided insight into EAR Disciplinary programs and Education programs across the agency.

#### **Upcoming Activities**

I plan to attend GSA Connects 2022. I will also attend virtual NAGT Executive Committee and Council meetings associated with GSA and work to transition from the role of President to the role of Past President.

I plan to attend AGU 2022 Fall Meeting in Chicago and will help with NAGT booth.

National Association of Geoscience Teachers  
**Annual Report: Executive Director**  
*September 25, 2022*  
*Anne E. Egger*

### **Goals for NAGT work over the past year**

Over the past year, I set the following goals for my work as Executive Director:

- Develop and implement new funding strategies, including reviving the development committee to build our fundraising;
- Complete the update of the website and re-branding;
- Support the ad hoc committees in making progress towards supporting sections, attracting K-12 members, and attracting student members;
- Grow our offerings for graduate student members and faculty who teach and advise graduate students.

### **Progress towards goals**

#### Develop and implement new funding strategies

- We designed and launched the NAGT Store through Spreadshop. This is a flexible platform that allows us to add designs and products easily and offer timely discounts. The shop is just getting off the ground and sales have mostly been internal, but could provide a small but steady source of income for the organization.
- We re-invigorated the development committee with Rachel Beane as chair and brought in the chair of the professional development committee (Karen Viskupic) as a new member. The committee tried a new campaign at the Earth Educators' Rendezvous based on a certain donation amount to receive an item from the NAGT Store, and we reached our (modest) goal for that campaign.
- **Next steps:** There is much work needed to accelerate our work to raise funds from outside our membership. With input from the Executive Committee, we hope to strategize to focus on one funding priority at a time.

#### Complete the website update and rebranding

- The new website launched in late June. I led the team that revised the website content and Mitchell led the reorganization into new menus and modules. We have gotten good feedback about the site, and it allows us to make some targeted efforts to build content in particular areas, such as for K-12 teachers and students.
- My focus on rebranding has been to create a consistent look across all of our materials: the new website, merchandise in the NAGT Store, the banners for the booth, and our membership rack card. I've also been focused on consistent content, so that lists of member benefits on the website match the rack card, for example, and that messaging is clear and straightforward. We also reduced printing costs by focusing on a single rack card (rather than a trifold brochure) and removing all paper membership forms.
- **Next steps:** The Earth Educators' Rendezvous was our first in-person opportunity to promote these new materials and sites, and the upcoming academic year will provide many more opportunities, including but not limited to GSA and AGU. With the website reorganization complete, we can focus on developing new content to support different member groups.

### Support *ad hoc* committees in their work

- My support for these committees has primarily been in providing information as requested. I have not been as actively involved as I intended to be.
- To extend our reach into the K–12 community, I attended the UTeach STEM Educators Conference in Austin, TX, where we had a booth. This is a very small meeting, typically 300-400 attendees, and this year it was smaller than average (for reasons probably similar to the Rendezvous also being smaller than average). I got a better sense for the scale and scope of the meeting and made a few good connections. In the future, we should develop teacher-focused giveaways that we can offer at both USEA and NSTA meetings. I still feel there is a lot of unrealized potential here.
- **Next steps:** The sections committee has made substantial progress and I look forward to supporting them in implementing their recommendations. I would like to attend meetings of the K-12 committee to get a better sense for how that work is proceeding and what support I can offer.

### Grow our offerings for graduate students and faculty who teach and advise them

- At the 2022 Rendezvous, Karen Viskupic and I co-led a workshop entitled *Creating a Graduate Program that Fosters the Success of All Students*. This was well-attended (~20 participants) including staff from AGU and AMS that are also interested in collaborating to support graduate student success. We relied heavily on the work of Michele Cooke and co-authors who have recently published papers in Nature Geoscience about their work to make the graduate admissions process more inclusive.
- I presented in a virtual workshop led by Beth Pratt-Sitaula and Becca Walker as part of their GETSI project that was for faculty and focused on supporting them in leading professional development for their graduate student teaching assistants, particularly in implementing course modules such as those produced by GETSI and InTeGrate. This was a very well-attended and well-run workshop that built a strong sense of community and awareness of the great things people are already doing to support graduate students.
- **Next steps:** The group that led the workshop along with others who are interested will be meeting at GSA to discuss next steps for that work. I continue to have on my radar the idea of submitting a proposal to develop a certificate for graduate students that would involve growing our offerings and recruiting for participation in NAGT professional development activities.

### **Progress towards goals: Additional efforts**

Within NAGT, I work to stay involved in a wide spectrum of our activities. Some of that work falls outside of the scope of the goals I set for myself, though it still falls within the goals and offerings of the organization. This year, with Walt Robinson, I co-led a Traveling Workshop at West Virginia University in May, 2022. This was an excellent opportunity to support a department in the throes of a difficult transformation from a geology and geography department to a sustainability program. I learned a lot in our two days there and we helped the group make progress. Other departments that are currently making similar transitions have contacted me for discussions, and we have talked about developing new resources on the NAGT website that might help departments.

I continue to explore funding options for the National Geoscience Faculty Survey, and am currently exploring a Research-Practice Partnership grant through the Spencer Foundation. I presented work from the NGFS at the American Meteorological Society meeting in January, which was well-received and there is growing interest in seeing the survey expand.

Much of my work outside of my role as Executive Director is relevant to NAGT and our goals.

- Award nominations and support letters: One of our goals is “To support current and future geoscience educators throughout their careers.” One of the ways I do that is through award nominations and support letters, and I make a concerted effort to nominate people for awards and write letters for tenure or other reasons wherever possible. I am still waiting to hear the results of my most significant effort in the past year, but wrote letters and/or nominations for six individuals in the past year.
- Peer evaluations of teaching: I am heavily involved in conducting peer evaluations in my department and others across the university. Over the 2021-22 academic year, as department chair with a new faculty member and three new lecturers, I conducted four small-group evaluations and reviews for their teaching portfolios. I very much enjoy the opportunity to observe and give feedback on others’ teaching.
- Program review: I conducted a program review of the Geological Sciences program at Colorado Mesa University in Grand Junction, CO, which was originally intended to be conducted in the spring of 2020. As with the Traveling Workshops Program, I enjoy the opportunity to learn about other colleges and programs, and this was no exception. They are a small but very robust program in a region with a lot of geoscience job opportunities.
- STEM Transfer Partnership grant: Along with the chair of the chemistry department at CWU and the director of the natural sciences division at a nearby two-year college, I am co-PI on a small grant from the Community College Research Initiatives from the University of Washington to strengthen the transfer pathways for students in STEM. This has been eye-opening in many ways: one of which is simply the difficulty of extracting good and reliable data from our institutions. Another is working across departments at CWU, which does not happen often enough. These are in addition to the actual goals of the project, which we have also made progress on just by getting all the people together in the same room who know bits and pieces of the picture but not the whole.

### **Goals for future work**

My goals for the upcoming year are similar to last year’s goals:

- Increase the financial stability of the organization
- Increase the operational stability of the organization by documenting processes within the Executive Office and leadership
- Build membership through increased offerings and building a sense of loyalty to the community
- Support the implementation of recommendations from the sections and K-12 committees and the DEI committee as approved by the Executive Committee
- Secure funding for the National Geoscience Faculty Survey



**Annual Report**

2022

*Alex Manda*

*Councilor-at-large*

**Goals for NAGT work over the past year:**

To liaise with the National Association of Geoscience Teachers southeastern section about the initiatives that they have planned for the section, how they are getting their word across, and how I might be of assistance to them.

To chair the membership committee with the goal of addressing declining membership.

**Progress towards goals:**

I am the new chair of the membership committee whose major focus is to increase membership in the organization. We will meet soon to discuss and brainstorm ideas about how to increase membership in the organization.

As the liaison for the southeastern section of NAGT, I have met with the chairperson of the section and discussed how best the section can be assisted by the larger body. We also discussed what initiatives the section would implement and how I might help the section with those initiatives.

**Goals for NAGT work in the next year:**

The major goal for next year will be to work with the membership committee to grow the membership of the organization.

Another goal will be to continue working as the liaison of the southeastern section.

NAGT Annual report

Fall 2022

Steve Mattox

Councilor At Large (2019-2022)

September 30, 2022

NAGT Executive Committee Work:

I attended all Executive Committee and Council meetings since my appointment.

NAGT Council Work:

I try to reported on activities of the New England section but is difficult to connect with folks over in another section.

NAGT Committee Work:

I serve as the liaison with the Diversity, Equity, and Inclusion Committee. I have attended fortnightly meetings since mid-May 2020. This is an energetic, creative, thoughtful, and productive group led by Laura Rademacher and Amy Weislogel. We continue to move forward with attempts to collect better demographic data, especially to improve the response rate for demographic and identity data for existing and new members. We hosted a RoundTable on DEI at the EER. We hosted two online events. The first looked to increase collaboration for DEI efforts across NAGT. We were joined by representatives from GER, 2YC, and TED. All agreed this should be a bi-annual event. The second event was a webinar on "Community Efforts to Broaden Conference Participation in the Geoscience". We continue to update our NAGT DEI website. Anne Egger helped with our resources page. We refined criteria for our Diversity Stories Collection. Lastly, we discussed the criteria for the NAGT JEDI Award and selected a new recipient, Dr. Vashaun Wright.

**NAGT Annual Report**  
**Fall 2022**  
**Cindy Shellito**  
**Councilor-at-Large, July-October 2022**  
**Report Prepared: Sept 15, 2022**

I was appointed to the Executive Committee in July 2021, to complete the term that was vacated by the resignation of Aida Awad. I have been honored to serve in this position, and have really enjoyed my time working with the other officers and councilors in the Executive Committee. Since my appointment I have attended and participated in Ex Comm meetings regularly throughout 2021 and 2022.

**NAGT Committee work**

Prior to my appointment to the Ex Comm, I was active in the Traveling Workshop Program (TWP), and continue to be active when I can. I have served on the TWP Management Committee since summer 2020. In spring 2021, I facilitated the first international virtual TWP workshop with a geoscience department at a university in Ecuador. My colleagues, Diane Doser and Antonio Arribas (both from UTEP), and I developed a series of four 3-hour virtual workshops conducted over a period of two months. This involved considerable modification of materials for conducting the program in Spanish. I believe these types of workshops offer some great opportunities for NAGT to expand its reach beyond North America.

I also participated in TWP URGE (Unlearning Racism in the Geosciences) discussions in 2021, and I continue to be interested in considering ways we might view TWP programming and materials through an equity lens and address issues of inclusivity and equity in our materials and in our work with departments and programs.

**Ongoing work towards future NAGT contributions**

I am presently on sabbatical from my home institution and decided not to seek re-election for my seat on Ex Comm this year, as it would be too difficult to continue while completing my sabbatical work. I have been very interested in extending the reach of NAGT internationally throughout my time on Ex Comm. In the coming year, I will be working with educators in Vietnam to develop new climate change curricular materials, and I hope I can bring new materials and new colleagues to NAGT through my work.

I truly have enjoyed working with the members of Ex Comm and hope to seek election for another seat as a Councilor-at-large when I feel I can contribute more fully. I feel that one year in this role is really too short of time to commit to work that I would ultimately like to do with NAGT.



**National Association of Geoscience Teachers  
Eastern Section**

**Eastern Section Report, 2022**

**Officers:**

President: [Mike O'Donnell](#)

Vice-President: [Christopher Roemmele](#)

Past President: [Jason Petula](#)

Treasurer: [Renee L. Aubry](#)

Secretary: vacant

Editor: [Callan Bentley](#)

Archivist: [Steve Lindberg](#)

Publicity: *Position Open*

Awards Chairperson: [Christopher Roemmele](#)

Executive Committee Liaison: [Dana Thomas](#)

Our annual meeting that was planned for Spring 2022 had to be cancelled. Members were not ready to venture out for a live in person meeting. Currently, plans are moving forward to hold our annual meeting in Ithaca, NY in May of 2023. Steve Lindberg is heading up the planning committee for this meeting. We continue to encourage our members to stay active not only in the work of NAGT, but also in their local area.

Callan Bentley continues to produce a quarterly newsletter for our membership wherein many members have contributed articles to educate others and share projects in which they are involved.

Our goals moving forward are to continue to support the NAGT and to constantly work in our local areas to educate students, citizens, and organizations about our earth and the impact we have on it.



## **NAGT – Far Western Section 2022 Report**

October 2022

Submitted by Mark Boryta

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### Leadership 2020-2022: (leadership terms are 2 yrs)

President: Mark Boryta [mboryta@mtsac.edu](mailto:mboryta@mtsac.edu)

1st Vice-President: Paul Troop [paul.troop@sbcglobal.net](mailto:paul.troop@sbcglobal.net)

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

Secretary/Treasurer (continuing) Gene Pearson [epearson@pacific.edu](mailto:epearson@pacific.edu)

Scholarship Coordinator and contact for OESTA: Ryan Hollister [ryhollister@sbcglobal.net](mailto:ryhollister@sbcglobal.net)

Past President: Winnie Kortmeier [winnie.kortmeier@wnc.edu](mailto:winnie.kortmeier@wnc.edu)

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The FWS is still slowly recovering from the pandemic, but we ARE recovering.

We are honored to select Ms. Lorraine Cathey for the OESTA Section award this year. Ms. Cathey teaches Science to grades 4-8 at the St. Thomas the Apostle School, a private school in San Francisco, where they “appreciate and respect the religious, racial, economic, social, and cultural diversity within our student community.” She was nominated by a colleague who was excited by her use of hands-on classroom investigations, her efforts toward her own continuing education that have led her to bring new resources into the school (a weather station and use of a scanning electron microscope were mentioned), and her multifaceted approach to reaching all of her students. Ms. Cathey was not able to attend the GSA this year due to a family illness.

We were also honored to select Ms. Michelle Laverty for the OESTA State award (NV). Ms. Laverty teaches Earth and Environmental Sciences at Edward C. Reed HSM (a public HS) in Sparks. Her advocate was impressed that Ms. Laverty teaches ES and also is the Leadership Advisor – a role that further publicizes the role of geosciences within the HS community. She also has embraced working with IEP students, emphasizing her dedication to her students.

We are hosting a Fall Field Conference the weekend after GSA (Oct 14-16)! A Spring 2023 conference may be in the works. The Fall conference will be held at East L.A. College (ELAC) with a variety of field trips, including those accessible by train/bus. There will also be several workshops designed with K-12 teachers in mind. Formal installation of newly elected officials should be occurring at the Business Meeting on Friday evening during this conference.

Our finances, expertly managed by Eugene Pearson, have remained stable despite a decline in sales of our field guides (due to pandemic-related issues).

Respectfully,

Mark Boryta

National Association of Geoscience Teachers  
Far Western Section  
FY 2022 Financial Report  
September 1 2021 to August 31, 2022

Balance, September 11, 2021	\$27,473.28
Debits:	
Pair Networks	\$111.26
California Sales 2021	48.00
Deposits:	
NAGT Membership	\$507.50
Interest on Checking	2.77
Balance, August 31, 2022	\$27,824.29

Respectfully Submitted by Eugene Pearson FWS Treasurer



## 2022 Annual Report

### Leadership

President: **Susan Meabh Kelly**, Henry Abbott Technical High School, Danbury, CT

First Vice President: **Lindsay Waack**, Fairfield Ludlowe High School, Fairfield, CT

Second Vice President: **Joanna Latham**, Milton Academy, Milton, MA

Treasurer: **Steve Winters**, Holyoke Community College, Holyoke, MA

Newsletter Editor: **Richard Little**, (retired) Greenfield Community College, Greenfield, MA

OEST Chair: **Tarin Weiss**, Westfield State University, Westfield, MA

Councilor: **Elizabeth Gordon**, Fitchburg State University, Fitchburg, MA

Councilor: **Lori Weeden**, University of Massachusetts - Lowell, Lowell, MA

Councilor: **Bruce Rueger**, Colby College, Waterville, ME

Councilor: **Tom Vaughn**, Northeastern University, Boston, MA

### Membership

As of September 2022 there are 92 active and 32 lapsed members.

### Goals of the previous year and progress towards them

Goals of the previous year include exploring virtual event format and connecting with other science education organizations in New England. Evidence of progress towards these goals include:

January 2022

Members of the section participated in a virtual New England science education organization leadership event dedicated towards strategies to advance a more diverse and inclusive organization.

The section sponsored a virtual talk on applying indigenous knowledge to restore indigenous landscapes on Monday, January 17th, 7-8 PM Eastern. A [book](#) written by the invited speaker, Dr. Jessica Hernandez, had been scheduled to launch the following day. Members of other New England science education organizations were invited to attend.

March 2022

The section coordinated and hosted a luncheon at GSA NE section meeting in Lancaster, Pennsylvania.

May 2022

The section hosted a webinar dedicated to exchanging ideas and resources for K-5 NGSS Earth and Space Science on Monday, May 9th, 7:00 - 8:00 PM Eastern. The event was free to teachers in New England.

July 2022

The section met to brainstorm and outline a plan for events during the 2022-2023 academic year.

August 2022

The section organized and hosted an informal member gathering at a central Connecticut farm and brewery on August 24th.

October 2022

The section organized an informative geological field trip for K-12 teachers in conjunction with the New England Intercollegiate Geological Conference.

November 2022

Section members have organized a geoscience session at the Massachusetts Association of Science Teachers conference.

### Other section/division activities

Susan Meabh Kelly (President) hosted a roundtable discussion at 2022 Earth Educators' Rendezvous – Inclusive Geoscience Ecosystems.

Susan Meabh Kelly (President) contributed to the ad hoc committee on reimagining/redefining NAGT sections.

Susan Meabh Kelly (President) participated in the Second National Conference for Justice in Geoscience in Washington, DC.

The section maintains an active Twitter account: @NAGT\_NE .

### Goals for future work

Many of the science teacher organizations in New England have started to offer on site events again. We look to coordinate events in different areas of New England that may help foster connections with K-12 teachers.

Section/Division Financial Statements													
Name of Section/Division		New England											
Year Ending		2022											
Bank Information													
Bank Name & Location		Greenfield Savings Bank, Turners Falls, MA 01376											
Type of Account		checking											
Please fill out the following information													
Bank Account		Current Year				Previous Year							
		Beginning Balance	\$	3,845.52	Beginning Balance	\$	3,742.89						
		Ending Balance	\$	3,453.18	Ending Balance	\$	3,845.52						
Income		Current Year				Previous Year							
		National Dues	\$	262.50	\$	270.00							
		Interest											
		Field Guides/Publications											
		Other*please specify											
		Other*please specify											
		<b>Total</b>	\$	<b>262.50</b>	\$	<b>270.00</b>							
Expenses		Current Year				Previous Year							
		Awards	\$	-	\$	-							
		Meetings/Conferences	\$	-	\$	-							
		Bank Fees	\$	28.40	\$	-							
		Other*please specify	\$	200.00	\$	250.00							
		Other*please specify	\$	393.81	\$	-							
		<b>Total</b>	\$	<b>622.21</b>	\$	<b>250.00</b>							
Summary		Current Year				Previous Year							
		Beginning Balance	\$	3,845.52	\$	3,742.89							
		Income	\$	262.50	\$	270.00							
		Expense	\$	622.21	\$	250.00							
		Ending Balance	\$	3,485.81	\$	3,762.89							
		Ending Balance from Above	\$	3,453.18	\$	3,845.52							
		Difference	\$	32.63	-\$	82.63							
**if there is a discrepancy, please state why below:													
<u>Current Year (2022)</u> : Beginning balance for 2022 is \$32.63 too high. This amount (\$3845.52) was taken from last year's report (2021). I cannot explain this discrepancy aside from the fact there may have been an arithmetic error on the 2020-2021 report.													
<u>Previous Year (2021)</u> : reimbursement check for \$82.63 issued on 8/11/20 to section member & thought lost was cashed & cleared on 11/22/21.													

## **NAGT Pacific Northwest Section 2021-22 Annual Report**

### **A. Executive Officers**

#### **President**

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

#### **Vice-President**

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

#### **2<sup>nd</sup> Vice-President**

Crystal Huscroft – Thompson Rivers University, BC, chuscroft@tru.ca

#### **Secretary**

Jodie Harnden – Sunridge Middle School, OR, jodie.harnden@pendleton.k12.or.us

#### **Treasurer**

Zachary Schierl – Yakima Valley College, WA, zschierl@yvcc.edu

#### **Past President**

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

### **B. Communications**

#### **Newsletter Editors**

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

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

#### **Website Coordinator**

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

#### **Website Address**

<https://nagt.org/nagt/sections/northwest/index.html>

### **C. State-Province Councilors**

#### **Alaska**

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

(second position open)

#### **Idaho**

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

(second position open)

## **Oregon**

Hal Wershow, Central Oregon Community College, hwershow@cocc.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)

## **Yukon Territory**

Joel Cubley, Yukon University, jcubley@yukonu.ca

## **D. Awards**

### **OEST Awards Coordinators**

Kerry Lockwood, Pacific Northwest Section Award, Pinetree Secondary School, Coquitlam, BC, Kerry\_lockwood@telus.net

Nicole Erwin, Oregon State Award, Sunridge Middle School, Pendleton, Oregon, nerwin@pendletonsd.org

## **E. Activities/Functions**

### **The NAGT PNW Annual Conference and Annual Business Meeting**

The Pacific Northwest Section met for our first in-person annual conference and business meeting on June 20-22, 2022 in Pendleton, Oregon. It was organized by Philip Schmitz and hosted by Blue Mountain Community College. This conference included a day of talks, discussions, networking and guest speakers, as well as our annual business meeting. There were also two additional days of field trips to explore the excellent geology in that area of Oregon State. Next year's conference will be held in the Metro Vancouver, BC area and hosted by Douglas College in June, 2023.

As of the latest available figures (Sept. 15, 2022), the section membership count was 137.

### **Fall Meeting**

An action item from our last business meeting was to organize another NAGT-PNW meeting online, approximately 6 months from the conference. This is to be held in November, 2022 (exact date TBD). This meeting will include some talks, including a guest speaker, as well as some other section business such as updating our bylaws and confirm elections. Other topics to



be discussed are creating a section executive transition document (in collaboration with National) and continuing efforts to engage K-12 educators in the section. As part of these latter efforts, this meeting will be held later in the day, when more teachers are available. Other ideas include hosting field trips during professional development days and to connect with other national organizations that already do significant amounts of outreach.

### **Section Newsletter**

The newsletter is produced by Andy Buddington three times a year (Winter, Spring and Fall). The newsletters collect information from section officers and members at large and are distributed electronically. They are available online at:  
<https://nagt.org/nagt/organization/northwest/news.html>

### **F. Financial Report, NAGT Pacific Northwest Section**

The section financial report for the past year has been submitted separately online.

# SECTION DIVISION FINANCIAL REPORT

Name of Section/Division Pacific Northwest Section

Year Ending 6/30/2022

## BANK INFORMATION

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

Type of Account **Checking**

### CURRENT YEAR

### PREVIOUS YEAR

Beginning Balance	\$15,323.14	Beginning Balance	\$15,319.78
Ending Balance	\$16,101.30	Ending Balance	\$15,708.67

Income	Current Year	Previous Year
National Dues	\$775.00	\$385.00
Interest	\$3.16	\$3.89
Field Guides/Publications	\$0.00	
Other (Please specify)	\$0.00	
Other (Please specify)	\$0.00	
<b>Total</b>	<b>\$778.16</b>	<b>\$388.89</b>
Expenses	Current Year	Previous Year
Awards	\$0.00	\$0.00
Meetings/Conferences	\$0.00	\$0.00
Bank Fees	\$0.00	\$0.00
Other (Please specify)	\$0.00	\$0.00
Other (Please specify)	\$0.00	\$0.00
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>
Summary	Current Year	Previous Year
Beginning Balance	\$15,323.14	\$15,319.78
Income	\$778.16	\$388.89
Expense	\$0.00	\$0.00
Ending Balance	\$16,101.30	\$15,708.67
Ending Balance from Above	\$16,101.30	\$15,708.67
Difference	\$0.00	\$0.00

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

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With this financial report, we are returning to a fiscal year beginning and ending on June 30 per advice from NAGT national, to align with what is on file with the IRS. Last year's financial report ended August 31, so there is a two month overlap in the numbers here, which is why the starting balance does not match last year's ending balance.





Southeastern Section of NAGT  
2021 Annual Report  
Mary Abercrombie

### I. Leadership Updates

With President Melissa Hage nearing the end of her two-year term, a virtual Tea/Happy Hour meeting was held on May 26, 2021, inviting all interested members to socialize as well as to learn more about current openings for leadership positions. Along with the job responsibilities of the President and Vice President, details of the newly created positions of Communications Director and Award Director were shared. Following that meeting, I, Mary Abercrombie, was elected to fill the role of president, and Valerie Reynolds, Geology Lecturer and Earth Science Undergraduate Coordinator in the Department of Geography & Earth Sciences at UNC-Charlotte, was elected vice president. The newly created position of Communications Director was filled by Scott Harris and the position of Award Director was filled by Meghan Cook.

### II. SE GSA 2021 – Auburn University, Alabama (virtual)

Typically, the SE Section annual business meeting is held at the Southeastern Section GSA meeting. Due to the COVID-19 pandemic, the SE GSA meeting was held in a fully online format; consequently, our annual business meeting was canceled.

### III. OEST Awards

This year's winners:

**Louisiana:** Erin Nevala

**Mississippi:** Gail Davis

**North Carolina:** Brandon Dillman

**South Carolina:** Hannah Quinley

This year's section winner: Monika Moorman (Florida)

### IV. Upcoming Plans

The section will continue to recruit new members to fill vacancies for state representatives. We anticipate that the new Awards Coordinator will take charge of all things OEST and concentrate on increasing nominations.

### VI. Section Communications

A virtual Meeting and Social was held in July 2021 in connection with the Earth Educators Rendezvous. New officers were introduced and winners of the OEST Awards were announced which was followed by a "Where in the Southeastern Section" geoscience photo quiz. We anticipate looking for ways to increase virtual connections within the section while the pandemic continues. There has not been a section newsletter for a number of years; however, our Communications Director will continue to provide a social media presence through the section's Facebook page and Twitter account:

<https://www.facebook.com/SoutheasternNAGT>

[https://twitter.com/nagt\\_se](https://twitter.com/nagt_se)

Southeastern Section of NAGT  
2022 Annual Report  
Mary Abercrombie

### I. Leadership Updates

Valerie Reynolds stepped down as Vice President of the section in June 2022. Members of the leadership team are:

**President:** Mary I. Abercrombie  
**Vice President:** currently vacant  
**Awards Coordinator:** Meghan Cook  
**Communications Director:** Scott Harris  
**Treasurer:** Adam Skarke  
**Executive Committee Liaison:** Alex Manda

### State Representatives:

**Alabama:** Ann Arnold and Rylleigh Harstad (David Kopeska-Merkel stepped down)  
**Florida:** Mark Peebles (Stephanie Killingsworth stepped down)  
**Georgia:** Victor Ricchezza and Hannah Eisla  
**Louisiana:** Chris Campbell  
**Mississippi:** Renee Clary and Christa Haney  
**North Carolina:** Megan Plenge and Marta Toran  
**South Carolina:** Emily Scribner  
**Tennessee -** Michael Gibson

### II. Joint North Central/Southeastern GSA 2022 – Cincinnati, Ohio

The first SE Section annual business meeting since 2019 was held at the joint meeting of the North Central and Southeastern Sections of GSA in Cincinnati, Ohio, on April 7, 2022. Our meeting was held over lunch in Room 209 of the Duke Energy Convention Center. Turnout was very good, with 13 attending in person and 8 members joining virtually via Zoom. Topics discussed included potential field trips and session topics for next year's joint section meeting with the Northeastern section in Reston, Virginia; encouraging participation of K-12 teachers and students, perhaps with the support of mini-grants; and increasing diversity, equity, and inclusion efforts.

### III. OEST Awards

We had several OEST nominations submitted through the NAGT website, as well as a number of additional nominations submitted directly by the state representatives. We had five state winners and one section winner. 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. Each winner will be honored with a plaque along with other accolades. This year's winners were:

Alabama: **Amanda Savrda**  
Louisiana: **Sandra Saye Foucqueteau**  
Mississippi: **Veronica Wylie**  
North Carolina: **Stefan Klakovich**



South Carolina: **Christopher Willis**

This year's section winner: **Amanda Savrda**

#### IV. Upcoming Plans

We will continue to look for ways to enhance membership connections and participation while we emerge from the challenges of the COVID pandemic. Possibilities include virtual field trips and/or virtual social gatherings.

#### VI. Section Communications

The Communications Director continues to provide outreach to geoscience professionals and educators through the section's Facebook page and Twitter account:

<https://www.facebook.com/SoutheasternNAGT>

[https://twitter.com/nagt\\_se](https://twitter.com/nagt_se)

The Facebook page now has a total of 380 followers and features regular posts of virtual events taking place throughout the section.

**Section/Division Financial Statements**

Name of Section/Division Southeastern Section of the NAGT

Year Ending 8/31/22

**Bank Information**

Bank Name & Location The First Bank: Starkville, MS

Type of Account Checking

Please fill out the following information

Bank Account	Current Year		Previous Year	
Beginning Balance	\$	6,414.87	Beginning Balance	\$ 5,898.87
Ending Balance	\$	5,815.06	Ending Balance	\$ 6,414.87

Income	Current Year	Previous Year
National Dues		\$ 520.00
Interest		
Field Guides/Publications		
Other*please specify	\$ 1.00	
Other*please specify		
<b>Total</b>	<b>\$ 1.00</b>	<b>\$ 520.00</b>

Expenses	Current Year	Previous Year
Awards	\$ -	\$ -
Meetings/Conferences	\$ 572.81	\$ -
Bank Fees	\$ 28.00	\$ 4.00
Other*please specify	\$ -	\$ -
Other*please specify	\$ -	\$ -
<b>Total</b>	<b>\$ 600.81</b>	<b>\$ 4.00</b>

Summary	Current Year	Previous Year
Beginning Balance	\$ 6,414.87	\$ 5,898.87
Income	\$ 1.00	\$ 520.00
Expense	\$ 600.81	\$ 4.00
Ending Balance	\$ 5,815.06	\$ 6,414.87
Ending Balance from Above	\$ 5,815.06	\$ 6,414.87
Difference	\$ -	\$ -

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

Note, a transaction was required by the bank to bring the account out of dormant status, so \$1 was deposited on 5/26/2022. This can be considered a donation to the treasury.

## **NAGT Geo2YC Division Annual Report – 2021-22**

Prepared by Karen M. Layou, President 2021-22

### Leadership (officers):

- President, 2021-22 – Karen M. Layou, Reynolds Community College
- Vice-President, 2021-22 – Becca Walker, Mt. San Antonio College
- Secretary/Treasurer, 2019-22 – Gretchen Miller, Wake Technical Community College
- Newsletter Editor, 2022 – Andrea Bair, Delta College
- Webmaster, 2019-23 – Bridget James, DeAnza College
- Archivist, 2019-23 – Dave Mrofka, Mt. San Antonio College
- Past President, 2020-21 – Sean Tvelia, Suffolk County Community College

### Membership:

- Current active members as of September 2022: 241 (up from 192 in January 2022)
- Most recent lapsed member report as of September 2022: 46

### Goal for 2021-22: Re-engagement after COVID

- Membership
  - The President conducted several email campaigns using the lapsed membership list periodically provided to the officers. Lapsed members were contacted using mail merge, encouraged to rejoin the division and provided information on upcoming NAGT events, including those sponsored by the Division.
  - Attendance at our annual membership meeting held in conjunction with GSA has stronger attendance when held virtually, so we will continue with that format.
- Newsletter
  - We published one this spring and another will be coming out this fall. A new editor needs to be identified for the coming year.
- NAGT Webinar series
  - Karen Layou and Adrienne Leinbach (a Geo2YC member) sat on the NAGT Webinar Planning Committee this past year. We established a “First Fridays” initiative in 2022 to plan webinars with a Geo2YC focus. To date we have offered/planned the following webinars:
    - Building Your Geoscience Community Through NAGT (February 4, 2022)
    - What Does Research Look Like at the Introductory Level Such As at 2YCs? (March 4, 2022)

- Maintaining an Active and Successful Student Sciences Club (April 1, 2022)
- Sharing Scientific Ocean Drilling with Students (Friday, May 6, 2022)
- Onshore Activities after Ocean Drilling (November 2022)
- Geoscience Careers at Community Colleges (December 2022)
- Professional development grants

Other activities:

- Outstanding Adjunct Faculty Award (OAFA)
  - We continue to recognize our adjunct peers via the OAFA award in our newsletters
  - We are currently seeking a new financial sponsor for this award given historical challenges with Pearson Publishing.
- Session sponsorship

Goals for future work:

- Building membership via direct engagement, direct contact of lapsed members, recruitment of new members
- Increase participation of members in newsletter submissions and NAGT webinars
- Continue to work to offer and support 2YC specific professional development and opportunities for 2YC students in conjunction with GSA/EER/AGU and regional GSA/NAGT meetings

**Section/Division Financial Statements**

Name of Section/Division Geo2YC

Year Ending 9/30/2022

**Bank Information**

Bank Name & Location

N/A

Type of Account

Checking

*Please fill out the following information*

**Bank Account**

**Current Year**

**Previous Year**

Beginning Balance	\$ 11,230.17	Beginning Balance	\$ 9,475.86
Ending Balance	\$ 11,537.13	Ending Balance	\$ 11,230.17

Income	Current Year	Previous Year
National Dues	\$ 1,733.12	\$ 1,821.13
Interest		
Field Guides/Publications		
Other* <small>please specify</small>		
Other* <small>please specify</small>		
<b>Total</b>	<b>\$ 1,733.12</b>	<b>\$ 1,821.13</b>

Expenses	Current Year	Previous Year
Awards- OAFA	\$ 750.00	\$ -
Meetings/Conferences	\$ -	\$ -
Bank Fees	\$ -	\$ -
Other- plaques and po	\$ 105.16	\$ 66.82
Other- pencils	\$ 571.00	\$ -
<b>Total</b>	<b>\$ 1,426.16</b>	<b>\$ 66.82</b>

Summary	Current Year	Previous Year
Beginning Balance	\$ 11,230.17	\$ 9,475.86
Income	\$ 1,733.12	\$ 1,821.13
Expense	\$ 1,426.16	\$ 66.82
Ending Balance	\$ 11,537.13	\$ 11,230.17
Ending Balance from Above	\$ 11,537.13	\$ 11,230.17
Difference	\$ -	\$ -

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

# NAGT-GER Division Annual Report

Report to the NAGT Executive Committee  
Geoscience Education Research Division  
September 19, 2022

## Contents

1. Leadership (officers)
2. Membership
3. Goals of the previous year and progress towards them
4. Other section/division activities
5. Goals for future work
6. Concluding thoughts & a welcome

## **1. Leadership**

### ***1.1. Current Division Officers***

Past President: Emily Ward  
President: Leilani Arthurs  
Vice President: Emily Scribner  
Treasurer: Cory Forbes  
Secretary: Peggy McNeal  
Media Director: Larry Collins  
Graduate Student Liaison: Kristen Foley

### ***2. Division Officer terms beginning at GSA in October 2022***

Past President: Leilani Arthurs (1-year term)  
President: Emily Scribner (1-year term)  
Vice President: Chris Mead (1-year term)  
Treasurer: Samuel Nyarko (3-year term)  
Secretary: Peggy McNeal (3<sup>rd</sup> year of 3-year term)  
Graduate Student Liaison: Kristen Foley (2<sup>nd</sup> year of 2-year term)  
Media Director: Larry Collins (2<sup>nd</sup> year of 2-year term)

## **2. Membership**

As of September 8, 2022, the Division has 352 members. Our current membership demographics are summarized below.

Gender: 30% men, 53% women, <1% non-binary, and 16% undisclosed.

Race: 5% Asian, 3% Black or African American, 70% White, >1% Alaskan Native or American Indian, and 21% undisclosed.

Disability: <1% learning disability, 1% hearing, 2% mobility, 2% other disability or impairment, 70% no disability or impairment, and 25% undisclosed.

Degree: 1% Bachelor of Arts, 4% Bachelor of Science, 20% Masters, 48% PhD, and 26% undisclosed. Under the category of employment, 12% indicated they are graduate students.

### 3. Division Priorities for 2021-22 & Progress

Having held its first meeting in July 2014, the Division is now into its eighth year, continuing to carry out the original charge to meet members' needs for competence, community, and agency that support career success (Bruce Herbert, 2014).

To those ends, the Division's priorities for 2021-2022 included responding to members' stated needs and desires at the NAGT-GER Business Meeting in October 2021. Based on community input, the leadership prioritized the following activities:

1. List education conferences on the NAGT-GER website
2. Offer GER-focused workshops
3. Organize graduate student GER mentoring and networking
4. Host discussion on promotion and tenure process for GER faculty

#### 3.1. Education conferences

Thanks to the efforts of Emily Ward and Cory Forbes, the Division now hosts a website that lists education conferences that may be of interest to our members. The aim of the website is to facilitate communication about conferences hosted by other DBER and education research communities and, thereby, support individuals' efforts to collaborate with others beyond our more immediate GER community. The website's URL is

[https://nagt.org/nagt/divisions/geoed/conferences\\_interest.html](https://nagt.org/nagt/divisions/geoed/conferences_interest.html)

#### 3.2. GER-focused workshops

The Division supported two GER-focused workshops this year. One was a Writing Retreat and the other was a session on Instrument Validity and Reliability. Both took place at the Earth Educators' Rendezvous in July 2022 in Twin Cities, MN.

Peggy McNeal led a 3-day Writing Retreat for the fourth consecutive year. This year, 12 people participated and worked on a variety of tasks, from manuscript revisions to proposals to dissertation chapters to conference abstracts. Upon completion of the retreat this year, one participant said, *"I feel so relieved, and overwhelmed, but in a positive way. I am overwhelmed with how beneficial this was for me, and I need to continue this practice with NAGT. I enjoyed my time and am very sad that it is already over! I was stuck for so long, and am now confident in my ability to move forward vs the anxiety and dread I was feeling."* The ongoing popularity of this Writing Retreat led EER organizers to hold a permanent spot for the Writing Retreat at future EER meetings.

Leilani Arthurs worked with Ellen Iverson to develop a workshop on Instrument Validity and Reliability. Ellen Iverson and Kerry Vachta, both from Carleton College, led the workshop at the EER. One of the participants shared, *"I thought it was a refreshing review of things I had learned years ago but are so deeply needed in research today."* One member of the EER Planning Committee noted that *"this was a complex topic that was made easier to understand by the facilitator."* The same EER Planning Committee member suggested that, in the future, the GER-focused workshops at EER should offer a pre-EER webinar that serves as a remote Part I to the workshop and then an in-person Part II at the EER because this would help people learn the basics of a GER topic and build upon their pre-existing knowledge while at the EER.

### ***3.3. Organize graduate student GER mentoring and networking***

Kristen Foley hosted a recurring writing event for graduate students during summer 2022. The event was an informal weekly meeting on Fridays to write together. Unfortunately, no one participated in the weekly writing meetings.

### ***3.4. Host discussion on promotion and tenure process for GER faculty***

Leilani Arthurs with input from the leadership team is in the process of planning two interactive *Zoom* panel-based events for Division members to learn more about promotion and the tenure (P&T) process for GER faculty at different institutions. One will be in early November 2022, and the other will be in early December. At these events, panelists will share their experiences with P&T processes; attendees will have the opportunity to ask questions they have of the panelists; and there will be small group networking opportunities in *Zoom* breakout rooms. Two events are being planned to increase opportunities for interested Division members to participate. Each event will about different panelists from different institutions.

## **4. Other Division Activities**

### ***4.1. Networking Event***

In addition to contributing to two GER-focused workshops at the Earth Educators' Rendezvous in July 2022, the Division also hosted a networking event at Dual Citizen Brewing Company in the evening of July 13, following the last day of the 3-day Writing Retreat. This casual event was organized by Kristen Foley and Emily Scribner, and it was hosted by Kristen Foley. Attendees sat outside under a tent with picnic tables and enjoyed catching up with old and new friends. Kristen estimates about 50 people attended the event throughout the evening. Some came for a short while, and others stayed after she left for the night. She received feedback from several attendees about "how nice it was to have a small gathering for our community" and there being interest for the event to happen again in the future.

### ***4.2. Professional Meetings***

The Division continues to lead, sponsor, and plan GER-focused conference sessions. These sessions mainly take place at regional and national conferences. The conferences are primarily hosted by the Geological Society of America (GSA) and the American Geophysical Union (AGU).

The Division has hosted a GER-focused topical session at GSA's annual conference since 2015. This GSA topical session is titled "Making Sense of Methodologies and Theoretical Frameworks in Geoscience Education Research," and it has become a reliable venue for GER scholars to discuss their research, network, and identify potential collaborators at the annual GSA meeting. Since our last division report, the GER Division officers chaired a GER session at the 2021 Annual Fall Meetings of GSA and proposed another GER session that was accepted for the 2022 meeting.

The GSA 2021 fall meeting was held in Portland, OR, with some options for remote participation. Only one of the NAGT-GER officers, Peggy McNeal, was able to attend GSA 2021 and chair the GER-focused topical session in person due to the ongoing COVID-19 pandemic. Our topical session was live streamed, and attendees could join remotely or in person.



At GSA 2021, our session comprised 15 oral presentations (two were withdrawn) and eight poster presentations. Seven of the oral presenters delivered their talks in person, and six of them delivered recorded talks and attended virtually. Although we planned to have two invited speakers, Anita Marshall (Lecturer, University of Florida) ended up being the sole invited speaker for the session. Peggy estimates that there were about 15 attendees in the physical conference room at any one time and estimates a total of 30-40 people attended the session (in-person and remote attendees combined).

The upcoming GSA 2022 fall meeting will be held in Denver, CO, with some options for remote participation. The Division's technical session comprises 14 oral presentations and 0 poster presentations. The two invited speakers for the session include Ian Castro (Graduate Student, University of Cincinnati) and Kelly Lazar (Assistant Professor, Clemson University). Again, this year, only one of the NAGT-GER officers, Leilani Arthurs, will be able to attend GSA 2022 and chair the GER-focused topical session in person. At the time of this report's preparation, it is not yet known how many presenters will deliver in-person or remote talks.

For GSA 2022, GSA's Education Division initiated a new topical session on GER that is titled, "Iris Moreno Totten Research in Geoscience Education Session." Early career and student presenters in this session will be considered for the Geoscience Education Division's Totten Award. When we learned of the new GER session, we reached out to the GSA Education Division's Doug Czajka to determine whether presenters in the NAGT-GER Division's topical session could also be considered for the award. He said that this year it would not be possible, but that perhaps it would be in the future. This is a matter that the NAGT-GER leadership team should pursue, to help ensure that GER scholars who present in the NAGT-GER's topical session are also considered for GSA's GER-related award.

To support the communication and dissemination of information about GER methods and theoretical frameworks widely, we continue to share the schedule for the NAGT-GER Division's GSA topical sessions and archive presenter's public contact information and slides (when permission is granted) on our website at: <https://nagt.org/nagt/divisions/geoed/methods>.

The Division also sponsored four additional topical sessions at GSA 2021, is sponsoring five additional topical sessions at GSA 2022, and is sponsoring two sessions at AGU 2022. The sessions address, for example: 2YC and 4YC student research in geoscience, improving student learning outcomes in geoscience education, leveraging virtual spaces for geoscience education, mining AGI data to understand the geoscience education landscape, Earth and space science education research, and characterizing science identity in K-college students.

As in past meetings at GSA, the three divisions (GER, TED, and Geo2YC) coordinated our schedules for 2021 and 2022 so that our meeting times did not overlap and people belonging to multiple communities could attend multiple business meetings.

#### ***4.3. Mentoring Directory for GER Community***

In the spirit of creating new pathways to support the GER community, Leilani Arthurs and Peggy McNeal are working to identify mentoring-related needs and gauge community interest in a possible mentoring directory. The mentoring directory would allow members of our community at different stages in their education and careers to receive mentoring from members of our community, serve as a mentor to colleagues in the community, or be both a mentor and a mentee. To facilitate the development of the mentoring directory as well as mentoring-focused events, we

developed a survey to gauge the GER community's interests in receiving mentorship and being a mentor. All members of the Division have access to the survey via a link included in the September 2022 newsletter and a personal email message sent by Leilani.

#### ***4.4. External Communications***

We continue to send out our Newsletter (the GER Exchange) to members on a monthly basis from September to December and February to April. Each newsletter includes job and funding opportunities, highlights a research article, promotes relevant webinars or other professional development opportunities, and advertises sponsored sessions or events. We also continue our "Spotlight" feature to highlight the type of work done by various researchers in the community, including recent profiles of Zo Kreager, Susan Meabh Kelly, Peggy Mansfield McNeal, and Nicole LaDue. 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>.

This year, the Media Director position also took on the responsibility of being the primary moderator for the listserv. The primary purpose of this moderated listserv is to facilitate the sharing of GER-related opportunities (job announcements, workshops, etc.). Listserv communications will be posted as they are reviewed or will be aggregated and sent on a weekly basis if the communications traffic increases.

In collaboration with NAGT, we continue to use 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](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.

#### ***4.5. Internal Communications***

The Division continues to use and update two internal tools we established in 2018, an archive and an annual calendar for the leadership team. We created these tools to prevent the loss of institutional memory as individuals complete their terms and new members fill those positions. 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 include meetings and sponsorship timeframes, newsletters, elections and NAGT, awards, and finances. The calendar reflects official obligations represented in the by-laws, as well as more pragmatic deadlines that facilitate those obligations. The calendar has been so useful that we were asked to share it with other NAGT Divisions last year so they could develop similar calendars for their officers and activities.

#### ***4.6. URGE***

Emily Ward spearheaded efforts to implement policies and procedures aligned with the Division's involvement with the NSF-funded Unlearning Racism in the GEosciences (URGE) project. Implementation of any Division-level policies and procedures was hindered by not knowing whether the Division could make changes without consultation of the national NAGT office. In May 2022, Emily was invited to a DEI meeting with NAGT and other NAGT section representatives to talk about what NAGT focused on over the past year and to ask the question about autonomy in developing and revising policies for the Division. Up until that time, NAGT

focused on developing an URGE website for education but had not tackled policies. The national office seemed open to continuing to meet with Division and Section representatives to work collaboratively on shaping policy and procedures. The Division will implement evaluation rubrics for a newly revised awards portfolio to make the review process more equitable (see Section 4.7 of this report for additional details).

Anne Egger (NAGT's Executive Director) asked Emily Ward to be one of NAGT's representatives at Geosciences ASCEND RCN (Geosciences Associated Societies Committed to Embracing and Normalizing Diversity Research Coordination Network) meetings. Geosciences ASCEND RCN is an NSF-funded project run through GSA that engages representatives from different professional societies in conversations about how to intentionally broaden participation, acceptance, and inclusion of diverse populations. Emily will report take-away points from these conversations, to help inform the GER Division's efforts to develop and revise policies and procedures to be more equitable and inclusive.

#### ***4.7. Awards***

Of the four different awards currently offered by the Division, three different awards were awarded to a total of five individuals this year. There was one nomination for the Collaboration Award; however, no award was made. There was one nomination for the Transformation Award, and it was awarded to Karen McNeal of Auburn University. There were four nominations for the Early Career Award and two awards were made, one to Katherine Ryker at the University of South Carolina and the other to Alison Jolley at the University of Waikato. Lastly, there were two applications for the Emerging GER Scholars Award and two awards were made, one to Annie Klyce at the University of South Carolina and one to Collette Wilfong at the University of Colorado at Boulder.

The Division is currently updating its awards portfolio to (1) focus on recognizing mainly active members of the NAGT-GER community at different stages in their career trajectory for their contributions to GER and the GER community; (2) develop standard operating procedures that streamline and support the equitable and timely review of nominations/applications; and (3) more fully engage members of the community in the review process.

#### ***4.8. 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. For the year ending 2022, NAGT GER received \$2579.37 in member dues and \$60 in additional revenue. GER awarded 2 Emerging Scholars Awards, each at \$500 (\$1000 total expense). GER's beginning account balance was \$8,569.83 and ending account balance stands at \$10,209.20.

### **5. Goals for Future Work**

See next page.

## **5. Goals for Future Work**

### ***5.1. Goals for future work in the Division***

Goals for future work in the Division attend to its internal operations for the sustainability of Division activities. These goals include the following.

- 5.1.1. Preserve the institutional memory of the Division and aid with onboarding individuals into new leadership positions by updating the calendar and archiving procedural information.
- 5.1.2. Refine leadership positions' roles and responsibilities as the Division's work expands.
- 5.1.3. Provide mutual support and internal peer mentoring among all members of the leadership team, whether returning or new to the team.
- 5.1.4. Cultivate new leadership through outreach activities (e.g., inviting them to serve on Division committees, be guest speakers at the Division's GSA technical session, etc.).

### ***5.2. Goals for future work by the Division***

Goals for future work by the Division address work currently in progress as well as new undertakings for the upcoming year. These goals include the following.

- 5.2.1. Build mentoring capacity for career growth among Division members, while advancing teaching and research in geoscience education. This includes but is not limited to developing a mentoring network and hosting mentoring activities (which may take place over *Zoom* and/or at AGU, EER, GSA, etc.).
- 5.2.2. Develop a coherent awards portfolio that emphasizes the developmental growth of Division members along their career trajectory by restructuring existing awards to recognize outstanding GER scholars at different career stages. This involves revising the award descriptions, developing rubrics for the equitable review of award applications or nominations, and ensuring alignment between award descriptions and review rubrics.
- 5.2.3. Showcase and publish theoretical/methodological frameworks in GER that might be new or innovative to a broader audience. This involves publishing a GSA Special Paper on GER based on presentations delivered at the Division's GSA technical session over the past few years on Making Sense of Methodologies and Theoretical Frameworks in Geoscience Education Research.
- 5.2.4. Facilitate interinstitutional conversations on GER. This includes but is not limited to hosting a monthly GER journal club.
- 5.2.5. Cultivate cross-DBER pollination of ideas. This includes but is not limited to participating in UNL's X-DBER conference if UNL hosts one again.

## **6. Concluding Thoughts and a Welcome**

Serving the Division over the past several years, first as Secretary then Vice President and President, has been a source of joy in my career. I am grateful for the trust that the GER community placed in me and proud of what we have been able to accomplish together. When I joined the Division's leadership team in 2017, it was only three years old, and the next few years saw the Division flourish with leaders excited to forge a new community around GER. In 2020, the COVID-19 pandemic and reinvigorated awareness about social justice issues challenged the Division's leadership to think in new and creative ways about how to support, engage, and

communicate with its members. Through it all, each year, the leadership team with new and returning members, was an important part of my extended family.

The support we extended to each other helped us to be a stronger team, one better positioned to support the Division and GER community. I am thankful for the leadership team members with whom I had the opportunity to serve. When I reflect on the past several years of my work within the GER community, our interactions are among those that I think about most fondly. I extend special thanks and farewell to Emily Ward and Cory Forbes who are rotating off the team this October. Emily served as the Division's first Media Director for a year before moving into the presidential line. Cory served as Treasurer for three years. I am thankful for their camaraderie and steadfast leadership.

To my colleagues who will remain on the leadership team – Emily Scribner, Larry Collins, and Kristen Foley – thank you for your ongoing commitment and dedication to fulfilling the Division's charge. I also extend a warm welcome to Chris Mead (incoming Vice President) and Samuel Nyarko (incoming Treasurer) who will join the team this October.

As I enter the role of Past President this October, I look forward to continuing to support our Division's leaders and the ongoing growth of our GER community!

Leilani Arthurs, on behalf of the 2021-2022 NAGT-GER Division Executive Board:

President Leilani Arthurs, University of Colorado at Boulder  
Past President Emily Ward, University of Colorado at Boulder  
Vice President Emily Scribner, Clemson University  
Treasurer Cory Forbes, University of Texas at Arlington  
Secretary Peggy McNeal, Townson University  
Media Director Larry Collins, Delta State University  
Graduate Student Representative Kristen Foley, Western Michigan University

# SECTION DIVISION FINANCIAL REPORT

Name of Section/Division GER

Year Ending 2022

## BANK INFORMATION

Bank Name and Location

Type of Account      Checking                  Savings

CURRENT YEAR

PREVIOUS YEAR

Beginning Balance	\$8,569.83	Beginning Balance	\$8,403.47
Ending Balance		Ending Balance	\$8,569.83

Income	Current Year	Previous Year
National Dues	\$2,579.37	\$2,491.36
Interest	\$60.00	
Field Guides/Publications		
Other (Please specify)		
Other (Please specify)		
<b>Total</b>	<b>\$2,639.37</b>	<b>\$2,491.36</b>
Expenses	Current Year	Previous Year
Awards	\$1,000.00	
Meetings/Conferences		\$825.00
Bank Fees		
Other (Graduate Student Emergency Funds)		\$1,500.00
Other (Please specify)		
<b>Total</b>	<b>\$1,000.00</b>	<b>\$2,325.00</b>
Summary	Current Year	Previous Year
Beginning Balance	\$8,569.83	\$8,403.47
Income	\$2,639.37	\$2,491.36
Expense	\$1,000.00	\$2,325.00
Ending Balance	\$10,209.20	\$8,569.83
Ending Balance from Above		\$8,569.83
Difference	\$10,209.20	\$0.00

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

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## Annual Report

2021-2022

*Prepared by:*

*Christopher Roemmele, President, TED*

*Bridget Mulvey, Vice President, TED*

### **State of TED**

Number of members: 181, down from 195 last year. 43 lapsed members

Treasurer's Update: Current balance - \$3,447.29

### **Goals for NAGT-TED work over the past year**

Goal 1. Develop sponsorship protocol for conference sessions

Goal 2. Teacher Awards

Develop mechanism for Earth Science Teacher Leader nomination and selection, and beginning a endowment fund for award winners

Goal 3. Develop position statements on K-12 Earth Science Education, Freedom of Expression, and Diversity

Goal 4. Support teacher educators

### **Progress towards goals: Participation and achievements of TED**

Goal 1. Ad hoc committee of Christopher Roemmele and Suzanne Metlay created. Protocol developed and approved by TED. Submitted to NAGT leadership.

Goal 2. Completed Earth Science Teacher Leader award description, developed nomination and selection guidelines/rubric.

Goal 3. Two position statements (K-12 Earth Science Education and Freedom of Expression) created, approved by TED, and submitted to NAGT. An ad hoc committee on diversity, equity and inclusion was created to draft a statement and promote further DEI action via TED. Diversity statement is under development.

Goal 4. Created a drop-in Methods Forum, hosted virtually monthly for methods instructors to share and develop ideas and strategies for teaching pre-service teachers.



## **Goals for TED work in the next year**

### **Goal 1. Teacher Awards**

- a) Establish a fund to work toward endowment to support awards and develop mechanisms to increase contributions to this fund. (Spring 2023)
- b) Begin development of Classroom Activity Award for K-12 teachers, adjuncts and 2YC faculty. (Spring 2023)

### **Goal 2. DEI**

- a) Finish draft of position statement and share with NAGT (Spring 2023)
- b) Develop a list of actionable items to support diverse voices and inclusive participation at conferences and in TED (at Business meeting and beyond)
- c) Begin to take action on subset of the items identified (Spring 2023)

### **Goal 3: Professional Development and Networking**

- a) Continue Methods Forum, seek input from members on other ways to support teacher educators (Fall 2022 and beyond)
- b) Continue participation and hosting roundtables and sessions at EER, Regional GSA and Sectional NAGT meetings, and NSTA and state STA conferences (ongoing)
- c) K-12 teacher supports (NGSS implementation forums, input from members)

### **Goal 4: Social Media Outreach**

- a) Increase number of social media platforms through which we communicate (late Fall 2022)
- b) Increase social media engagement with existing and potential members (late Fall 2022, Spring 2023)
- c) Increase use of short videos to personalize TED and its goals (Spring 2023)

**2022 Annual report**  
**Kim Hannula**  
**Editor-in-Chief, Journal of Geoscience Education**

**Editorial Board**

In November, 2021, we recruited one new Associate Editor (Emily Scribner). In addition, Alexandra Davatzes, Ilyse Resnick, and Ben Wolfe agreed to continue. Ben Wolfe stepped down at the end of spring semester, 2022, but Emily, Alexandra, and Ilyse have terms that continue until 2024.

In September, 2022, we began recruiting for new AEs, to serve a term from 2023-2025.

*Current Editorial Board:*

Curriculum & Instruction Editor: Karen Kortz

Research Editor: Alison Jolley

Associate Editors:

- Shondricka Burrell, *Duquesne University*
- Alexandra Davatzes, *Temple University*
- Michael Hubenthal, *IRIS*
- Charles R. Kerton, *Iowa State University*
- Peggy McNeal, *Towson University*
- Heather Petcovic, *Western Michigan University*
- Ilyse Resnick, *University of Canberra*
- Katherine Ryker, *University of South Carolina*
- David M. Schultz, *University of Manchester*
- Emily Scribner, *Clemson University*
- Nicholas Soltis, *University of Indianapolis*
- Wendy Todd, *University of Minnesota Duluth*

Two Associate Editors left us this year. Ben Wolfe stepped down, and Anne-Marie Ryan sadly passed away early this year.

**Theme issues**

*In Our VOICES: Voices Integrating Culture in the Earth Sciences*

The first of the proposed theme issues, *In Our VOICES: Voices Integrating Culture in the Earth Sciences*, had a submission deadline of December 1, 2021. Thirteen manuscripts were submitted for this volume. Eight manuscripts have been accepted, and five manuscripts are currently in revision.

The *In Our VOICES* theme issue editors are:

- Wendy Todd, University of Minnesota Duluth (also a regular AE)
- Aradhna Tripathi, UCLA
- Carmen R. Cid, Eastern Connecticut State University
- Corey Garza, California State University, Monterey Bay
- Christopher Atchison, University of Cincinnati

*The Lasting Effects of the 2020-2021 COVID-19 crisis on geoscience education: insights, problems, and unanticipated benefits*

A second theme issue had a submission deadline of August 5, 2022. Seventeen manuscripts have been submitted for the COVID-19 theme issue, and are currently under review.

The guest editors for the COVID-19 issue are:

- Mark Abolins, Middle Tennessee State University
- Reginald Archer, Tennessee State University
- LeeAnna Chapman, Davidson College
- Rachel Teasdale, California State University - Chico

## Submissions

The number of submissions to JGE has remained robust, despite the ongoing time pressures on geoscience educators created by COVID-19. Except for submissions from the theme issue (reflected in the July and August submissions), submissions are generally less than in 2021. I expect that the total number of manuscripts submitted in 2022 will be somewhat lower than in 2022.

Table 1. Monthly submissions, 2021 and 2022

Month	2021			2022		
	New	Revised	Total	New	Revised	Total
<b>Jan</b>	9	10	<b>19</b>	5	9	<b>14</b>
<b>Feb</b>	9	7	<b>16</b>	6	5	<b>11</b>
<b>Mar</b>	7	12	<b>19</b>	5	9	<b>14</b>
<b>Apr</b>	5	10	<b>15</b>	3	6	<b>9</b>
<b>May</b>	2	8	<b>10</b>	2	7	<b>9</b>
<b>Jun</b>	3	15	<b>18</b>	4	8	<b>12</b>
<b>Jul</b>	5	10	<b>15</b>	8	11	<b>19</b>
<b>Aug</b>	5	11	<b>16</b>	15	11	<b>26</b>
<b>Sept</b>	2	6	<b>10</b>	3	8	<b>11</b>
<b>Oct</b>	4	6	<b>10</b>			
<b>Nov</b>	5	6	<b>11</b>			
<b>Dec</b>	15	11	<b>26</b>			
<b>Total</b>	<b>67</b>	<b>103</b>	<b>170</b>	<b>51</b>	<b>73</b>	<b>124</b>

*Table 2. Types of articles submitted*

<b>Article Type</b>	<b>2021</b>	<b>2022</b>
<b>Commentary</b>	14	25
<b>Curriculum &amp; Instruction</b>	59	25
<b>Literature Review</b>	5	3
<b>Research</b>	58	67

*International submissions*

The largest proportion of submissions to JGE continue to come from the United States. In 2021, 71% of new submissions (52 out of 73) came from the United States. Other countries with more than one new submission included Canada, Cyprus, Germany, Indonesia, New Zealand, and Poland. Seven other countries had one new submission. As of September 16, 2022, 74% of new submissions (39 out of 53) have come from the United States. Australia and New Zealand each had more than one new submission. In addition, ten other countries had at least one submission.

*Analysis of 2020 JGE submissions*

Following a question at the 2020 Editorial Board meeting about the effects of COVID on JGE submissions, a group of JGE editors analyzed and published a paper on COVID-era JGE submissions. Although submissions dropped initially starting in March 2020, the number of submissions rebounded later in the year. There has been a shift in the distribution of paper types, with a decrease in the proportion of C&I submissions and an increase in the number of Research submissions. (Although the analysis included only submissions through the end of 2020, this pattern has continued and intensified through September, 2022.) Review times increased, and reviewers were more likely to give specific reasons when they declined invitations to review. Submissions from doctoral institutions increased, but reviewers from doctoral institutions were more likely to decline invitations to review.

As a result of this analysis, I have been explaining review delays to authors and asking for their patience, and increasing the default time that authors are given to revise a paper, especially for the first revision. I am also being more flexible during the technical checks for the first submission of a manuscript (in particular, not asking for figures and tables to be initially submitted in the form needed by Taylor & Francis). I hope that this will reduce the early workload for authors without making extra work for reviewers (who can't tell if a figure is submitted in a Word document or as a TIFF file). During my entire time as Editor-in-Chief, I have given authors any extensions that they request.

Alison Jolley, Katherine Ryker, Karen M. Kortz & Eric M. Riggs (2022) The impact of COVID-19 on publishing and reviewing in the *Journal of Geoscience Education* community, *Journal of Geoscience Education*, DOI: [10.1080/10899995.2022.2110835](https://doi.org/10.1080/10899995.2022.2110835)

## Publishing

### *Pages per issue*

Our 2022 contract with Taylor & Francis is for 100 pages per issue. However, because we had a large number of papers that were accepted and published online in 2021, NAGT agreed to publish more pages per volume than originally contracted, and to organize the papers into unofficial themes. As a result, the entire 2021 backlog will be published in 2022, with 160 pages over the originally contracted number. NAGT paid a \$1800.05 overage charge for the 160 additional pages.

<b>Volume/Issue</b>	<b>Number of articles</b>	<b>Actual Pages</b>	<b>Budgeted Pages</b>
70(1)	10	144	100
70(2)	9	140	100
70(3)	10	148	100
70(4)	8	128	100
<b>TOTAL</b>	<b>37</b>	<b>560</b>	<b>400</b>

### *Change to Taylor & Francis contract*

Starting in 2023, Taylor & Francis will switch their contracts to a minimum number of articles per year, rather than a number of pages. This is a change that is happening across the publishing industry, in an attempt to decrease the time between accepting and publishing papers. There will not be any charge to NAGT for publishing more than the minimum number of articles. Our minimum will be 24 papers per year (6 articles per issue minimum). It should not be a problem to meet this minimum; as of September 23, we have 24 papers waiting to be included in a print issue.

### *Backlog*

As of September 23, 2022, JGE's backlog (papers that are published online but will not be included in any of the 2022 print issues) is 19 papers, with another five papers being typeset. Seven of those papers are part of the *In Our VOICES* theme issue. A total of 27 manuscripts have been accepted so far in 2022 (compared to 31 in 2020 and 37 in 2021).

### *Turnaround time*

In 2021, our average turnaround time was 71 days between the date the manuscript was received and the first decision. So far in 2022, we have averaged 75 days from when the manuscript was received to the first decision.

### *Acceptance rate*

Since we began publishing with Taylor & Francis in 2018, JGE has averaged a 59% acceptance rate.

## **Awards**

The **Outstanding Paper Award** goes to Karen Viskupic, Anne E. Egger, Rory R. McFadden & Mark D. Schmitz (2021) Comparing desired workforce skills and reported teaching practices to model students' experiences in undergraduate geoscience programs, *Journal of Geoscience Education*, 69:1, 27-42, DOI: [10.1080/10899995.2020.1779568](https://doi.org/10.1080/10899995.2020.1779568)

The **Outstanding Reviewer Award** goes to Samuel Cornelius Nyarko of Indiana University-Purdue University, Indianapolis (IUPUI).

## **Indexing and metrics**

### *Journal metrics*

Taylor and Francis now provides a summary of journal metrics, available directly from the JGE home page

<https://www.tandfonline.com/action/journalInformation?show=journalMetrics&journalCode=ujge>  
20 .

Usage: 35,860 full-text downloads in the first two quarters of 2022 (compared to 29,408 in the first two quarters of 2021). In all of 2021, there were 64,000 article downloads.

### 2021 Citation metrics:

- 2.7 CiteScore (Scopus)
- Q2 CiteScore best quartile
- 1.016 SNIP (Source-normalized Impact per Paper; a journal with a SNIP of 1.0 has the median number of citations for journals in that field)
- 0.439 SJR (Scimago Journal Rank; average value for all journals in Scopus is 1.000)

### *Metrics from Scopus:*

- CiteScore = 2.7 (2020: 2.8, 2019: 2.4, 2018: 1.01)
- Ranked 419/1406 (70th percentile) in Education journals (2020: 76th percentile; 2019: 75th percentile; 2018: 54th percentile)

### *Metrics from Scimago:*

- H-Index 37
- Average 11.63% international collaboration
- 33 documents were uncited and 68 documents were cited
- 1.888 external citations per document



**NAGT Annual Report  
2022  
Redina Finch  
Editor, *In The Trenches***

**January 2022:**

Published articles

- Using Drones in Education: Things to consider before you launch

Additional material

- Letter from the Editor
- New NAGT officers introduce themselves
- Information about the 2022 EER

**April 2022:**

Published articles

- Saying Goodbye to Two Great Geoscience Educators

Additional material

- Letter from the Editor
- Information about the Traveling Workshops Program
- Information about the 2022 EER

**July 2022:**

Published articles

- EER Co-conveners describe programs available at the 2022 EER
- Pacific Northwest Section gave an overview of what they have been doing since COVID

**October 2022:**

Published articles

- Sharing more than Science: Ship-to-Shore Broadcasts from *JOIDES Resolution*

Additional material

- Letter from the Editor
- The NAGT, GSA, GEO-CUR, Totten, GEO2YC, Stout, and JGE Education Division Awards for 2021
- Outstanding Earth Science Teacher Awards and Outstanding Teaching Assistants Awards for 2021

**January 2023 issue and beyond**

ITT is now fully online, except the October (Awards) issue. This transition has relieved some pressure to “fill” the magazine, which is good since it’s become much harder to get articles since COVID. I mentioned this in last year’s report. To encourage members to write articles, the monthly newsletter from NAGT now includes an ask for ITT articles.

ITT now includes more member-facing information. Here is a run-down of additional information included in each issue:

January includes

- Letter from the President
- Profiles of new officers
- Advocacy column

April includes

- What's new in Teach the Earth
- Highlights from divisions and sections
- DEI column

July includes

- Letter from EER Co-conveners
- EER Program (?)

October includes

- Award winners

In addition, I will be including TA Award winner stories throughout the year.

I plan to focus on using art to teach in the January 2023 issue of ITT. I've already started reaching out to potential authors.

## **2022 OEST Annual Report**

Ryan and Laura Hollister become co-chairs in January 2022.

In the 2021-22 year Section OEST Winners elected from Eastern, Central, Far West, New England, and Southeastern sections and State OEST Winners elected from Alabama, Delaware, Louisiana, Mississippi, New York, South Carolina, West Virginia, Wisconsin, Virginia, Maryland and Nevada. There were no submissions for Section winners from Midcontinent, North Central, Pacific Northwest, Southwest or Texas.

The new, cleaner website design has helped section chairs to find and share information about the process more easily. Laura and Ryan have also shared the website pages with section chairs and individual winners.

Several of this year's winners are taking advantage of the opportunity to attend GSA Connects and inquired about how to receive those funds.

In facilitating the OEST process this year we recognize the need to re-organize or streamline the thank you process for sponsors of the program and publish those changes on the website.

TO: NAGT Executive Committee

FROM: David Voorhees

1 October 2022

RE: Dottie Stout Professional Development Grants

I am sorry to have to tell you that there are only 2 current members of the Dottie Stout Committee, and there is no chair. I am happy to submit my name to be considered Chair of the Committee, if that is desired. I am not sure of the nomination procedure. If selected as Chair, I will contact the former Chair, Ben Wolfe, for any documents or resources he has.

The last year has been very challenging for the Dottie Stout Grant. There was only 1 legitimate proposal, and that person was awarded a grant. There are obviously significant and immediate needs for this grant going forward. First and foremost is to nominate a Chair and to increase membership on the Committee. Should I become the next Chair, I would start with placing a notice in the Geo2YC newsletter, asking for new committee members. I will also make an announcement at the next Geo2YC meeting at the Geological Society of America meeting, Friday, 7 October, that this committee is in need of new membership, and a Chair. As I remember, there has historically been 3 to 4 members, including the Chair, is that the prescribed number? Is there a limit?

Over the last several years that I have been on this committee, there has been significant discussion on increasing the quality of the submitted proposals. If selected as Chair, I would like to continue these discussions, hopefully with new members. These discussions would also include methods to increase the number of submissions.

In the short term, I know that many of these kinds of grants have deadlines long before any submission deadline, such as advertising and web site changes. Should I be selected as Chair, it would be helpful to know of these upcoming deadlines to ensure successful continuation of this important and significant grant.

Please feel free to contact me for questions or comments

Respectfully submitted

David Voorhees

Professor of Earth Science and Geology

Waubonsee Community College

dvoorhees@waubonsee.edu

## SHEA

Awards and grants committee chairs should submit reports describing:

- Committee membership, including upcoming needs for new members/chairs
  - 2022: Callan Bentley, Kim Hannula (as editor of JGE), Laura Guertin, Karin Kirk (last year on the committee)
  - Need a new committee member to replace Karin. Also, this coming year will be Callan's last year as chair. So the following year we will need a new chair.
- Promotional activities
  - Tweets exhorted geology folks to nominate. This resulted in some nominations, to be sure.
- Statistics of submissions and selection process (reported only in aggregate to maintain privacy of nominees and nominators)
  - Three new nominations in 2022; also 3 extant nominations from previous years.
  - We used ranked choice voting, and then when we had something close to a tie, discussed via email the pros and cons of the two finalists, ultimately reaching consensus when diversity and reach were weighted more heavily than "lifetime achievement" impact.
- Awardee/nominator and/or grantees
  - Laura Hollister and Jessica Ball submitted the nomination for the 2022 awardee, Erik Klemetti (Denison U.)
- Plans for awards promotions
  - None in particular.



## Annual Report

2022

*Neil Miner Award committee*

- Committee membership, including upcoming needs for new members/chairs

The committee this year has been:

Margaret Crowder – President, Chair

Jennifer Wenner – Past President

Mike Phillips – Secretary/Treasurer

Steve Mattox – appointed by Ex Comm (2<sup>nd</sup> year?)

Christy Visaggi – appointed by Ex Comm (1<sup>st</sup> year)

The committee will need new members of this committee for the coming year. The officer transitions will dictate some of this, but I am not clear on the term length of the recommended members to know if they need to be replaced.

- Promotional activities

I believe this award was promoted in the newsletter and through the usual NAGT communications on upcoming awards.

- Statistics of submissions and selection process (reported only in aggregate to maintain privacy of nominees and nominators)

No new nominations were provided for 2022 review, so no selection process was necessary.

- Awardee/nominator and/or grantees

No recipient of the award was selected.

- Plans for awards promotions

The committee made no new plans for promotions. Personal contacts are often some of the best ways to obtain nominations and may be a good route for the future. We do need to, as an organization, think about ways to better promote our various awards.

## Field Camp Scholarship 2022 Report

Chair: Lydia K. Fox

The NAGT Field Camp scholarship field was larger this year, as most field camps returned to normal operations. We had 56 complete applications to review from the best and brightest young geoscientists from around the country. For comparison, there were 61 applicants in 2020, and 33 in 2021. Committee members able to do the reviews this year were Lydia Fox, Claire McCleod, and Lisa Tranel. Cindy Magruder was unable to review this year; her term on the committee is up and I want to thank her for her work.

This year's awardees are:

Jennifer Chan, Western Washington University  
Western Washington University Field Camp

Katherine Coyle, Texas Tech University  
Texas Tech Field Camp

Ashley Dann, University of Florida  
University of Florida Field Camp

Samantha Davies, University of Michigan College of LS&A  
University of Michigan Ecosystem Science Course

Savannah Devine, Appalachian State University  
Appalachian State University Field Camp

Hanh-Tu Do, Tufts University  
Indiana University Field Camp

Madalin Evans, Eastern Illinois University  
Idaho State University Field Camp

Julianne Farnham, University of Maryland  
Wasatch-Uinta Field Camp

Jessica Fox, University of Minnesota-Twin Cities  
University of Minnesota Introductory Field Geology Course and Hydrogeology Field Course

Julianne Gonzalez, University of Florida, AWG Crawford Field Camp Scholarship Recipient  
University of Florida Field Camp

Jennifer Hurst, Indiana University  
Indiana University Field Camp

Anjali Khisty, Sam Houston State University  
University of Missouri Field Camp

McKenzie Miller, University Of North Carolina at Charlotte  
Idaho State University Field Camp

Megan Ryan, The University of Akron  
University of Akron Field Camp

Miranda Shaffer, Texas A&M University Kingsville  
Texas A&M University Kingsville Field Camp

Emily Siriano, Grand Valley State University  
Clemson Hydrology Field Camp

Victoire Soumano, Westminster College Salt Lake City  
Westminster College Field Geology Course

Jack Stewart, Indiana University  
Indiana University Field Camp

Owen White, UNC Chapel Hill  
Idaho State University Field Camp

Brynn Wooten, Fort Hays State University, AWG Crawford Field Camp Scholarship Recipient  
Fort Hays State University Field Camp



## **ANNUAL REPORT 2022: NAGT/USGS COOPERATIVE SUMMER FIELD TRAINING PROGRAM**

The 2021-2022 cycle for the NAGT/USGS Cooperative Summer Field Training Program marked the 57<sup>th</sup> year of what is now one of the longest running science internship programs in the nation. More than 2,559 students have participated in this program since it was first conceived in 1965 by William "Bill" Pecora, then the newly appointed Director of the US Geological Survey. Many of these students have gone on to become well-known leaders, influential professors and outstanding contributors to the knowledge base of geoscience. (More information about the history, operation of this program, and this year's interns can be found on our website: [www.usgs.gov/undergradintern](http://www.usgs.gov/undergradintern) (direct link to the brochure [here](#)).)

This year, 43 students were nominated by field camp directors, and 35 of those students completed an application for the program. After receiving 30 geology-based proposals from USGS scientists and after the proposal review panel met and matched students to projects, a total of 24 students were placed with USGS science projects. Since bringing new life back into this historic program over 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 the 2021-2022 cycle:

- The Secretary Burmeister distributed letters soliciting nominations for qualified students to field camp directors seeking nominations in September 2021. The deadline for nominations was 30 October 2021.

The program maintained a restriction on 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 submit nominations that include brief descriptions of the attributes of each nominee. These perspectives greatly help 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 November, 2021, letters were sent to all 43 nominees from both NAGT and USGS congratulating them on their nomination and instructing them on how to apply using the USAJOBS website. Of those, 35 students (81% of nominees) completed the application by the December 17 deadline.
- The USGS solicited internal proposals from scientists wishing to host an NAGT intern in the fall. A total of 30 proposals were received, and ultimately 20 were matched with interns (some projects hosted more than one intern). 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.
- The 2021-2022 cycle saw the continuation of COVID-19 pandemic-related impacts to program offerings, which resulted in some postponements and cancellations. Because of the incredible fluidity of programs during the pandemic and in recognition of the additional work-related stresses field camp directors have faced during this period, Secretary Burmeister decided to temporarily suspend the collection of program-related data during the pandemic. During this period, he explored new ways of improving this process to improve the quality of data collected and encourage greater compliance. We plan to resume the collection of these data using a new set of survey tools in fall 2022.
- The USGS maintains a running geology field camp list ([www.usgs.gov/geosciencefieldcamps](http://www.usgs.gov/geosciencefieldcamps)) that currently contains 128 active field camp programs that have been cross-checked by the YES office and NAGT. This list will be checked and updated by Spring 2022 using data collected by Secretary Burmeister in Fall 2022.



- However, all of the nominees received in the 2021-2022 cycle came from camps offered in face-to-face, in-person formats. One student nomination from a student unable to participate in the 2020-2021 cycle was accommodated this year.
- Program evaluations are sent to both scientists and interns toward the end of the summer 2022 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, are usually provided in the full packets to those attending the Annual Joint NAGT/USGS Internship Business Meeting in fall 2022. Evaluation results are summarized (anonymously) and will be distributed in both printed or electronic formats.
- The USGS, Youth and Education in Science Office provides cost-shared support for these intern's salaries by way of funding transfer to the science center where they will be working. This year, the YES office provided over \$4k for each project that was approved for cost-shared support. The collective support for this program is in excess of \$400,000.
- The YES office has continued the use of a new hiring authority, started in 2019, 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. Many scientists have indicated that this is of great benefit to them, as we already know of several who wish to extend their intern's employment and plan to do so, as long as there are no conflicts with their graduate school or other plans. Many of these interns 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).
- The USGS continues its recently expanded partnerships with the Ecological Society of America, and 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 partnerships have been a positive addition, as they have not only allowed the YES office to increase the number of students placed in internships using this exceptional hiring authority, but they have also served as a tool to garner additional interest in the program bureau-wide with additional geology-focused projects.
- In 2020 and 2021 the COVID-19 pandemic afforded this program the challenge and opportunity of hosting virtual internships rather than the traditional in-person situation. In 2022, a few internships have either been virtual or partially-virtual and partially in-person, as many scientists have discovered that their project opportunity could be conducted as such. This has allowed some interns the option not having to physically move to another part of the country for a summer position, which is often a barrier to those who cannot afford the expenses of relocating. The YES office worked extensively with HR staff, Administrative Officers, hiring scientists, and the incoming interns themselves to maximize opportunities where possible and find flexibilities in the work environment so these internships could continue, including utilizing the previously unprecedented option to work virtually where possible.
- In the spring of 2022, the USGS Human Resources department underwent a transition which caused hiring delays in many positions (not just internships, but all federal hires across the bureau). As federal employees, interns may not begin work on their project until their hiring paperwork is complete and thus some interns could not start their employment until later in the summer than anticipated. The YES office intends to have a discussion with the Human Resources department to determine what steps will be in place next year to ensure that hiring delays are not so extensive in the future.
- For the third year, in 2022 the YES office partnered with the USGS Early Career Scientist Network to host a series of virtual weekly Professional Development Webinars. Each week, a guest speaker or panel is invited to speak and have an open discussion with interns about various topics of importance to them, such as science communication, scientific integrity, publishing, networking, safe and inclusive workspaces, applying to graduate school, and more. These virtual sessions are meant to serve as a way

to bring together all interns and early career scientists across USGS, especially during a time when they might be working remotely and have limited opportunities for collaboration with their fellow colleagues. These webinars have received an excellent attendance rate from interns and positive feedback from mentors and interns alike.

24 September 2022

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  
California State University, Sacramento

**Traveling Workshops Program  
Annual Report  
September 1, 2021—August 31, 2022**

**Executive Summary**

The Traveling Workshop Program (TWP) in the FY 2021-2022 remained slow to start the year, but by the end of the year showed promise of returning to a more normal pace after disruptions caused by the COVID-19 pandemic. The Traveling Workshop Program Management Team received and reviewed 6 applications for workshops, approving 5 of them. Three of the requests were for Building Strong Departments, one for Becoming Inclusive Geoscience Leaders (BIG-L), and one for Cross-Campus Sustainability Programs. Interest remained high for diversity, equity, and inclusion content in each workshop type requested. Six workshops—four in-person and two virtual—with a total participation of at least 97, were conducted during the year. All combined, the workshops received a weighted aggregate evaluation rating of 8.8 on a 10-point scale, consistent with previous years' ratings.

We anticipate continuing to offer programs the option of in-person or virtual formats. One workshop that was postponed because of the Covid-19 pandemic was finally held, but unfortunately several others indicated that they are unlikely to occur due to financial constraints or changed priorities. It is unlikely that any of the remaining postponed workshops will be held.

Materials continue to be updated and refined. David Blockstein led an effort to revise Building Strong Departments materials based on the Spring 2021 workshops held for TWP facilitators. Sue Ebanks and Joan Ramage led development of the Becoming Inclusive Geoscience Leaders workshop through NSF funding acquired by Reginald Archer and David Blockstein. Both efforts will continue this coming year. Professional development for facilitators included four NAGT webinars on diversity, equity, and inclusion, held through the NSF grant for the Early Career Workshop and open to all.

Overall, the program remains valuable, but efforts should be increased to advertise the offerings to programs. A return to in-person conferences should help, but targeting advertising to heads and chairs may be worth exploring.

**Management Team Leads: Names and Emails**

- Catherine Riihimaki (Chair) ('18-'22)
- Walt Robinson (Co-Chair)

- Reginald Archer ('21-'24)
- SERC web team member - Mitchell Awalt (ex officio)
- David Blockstein ('21-'24)
- Edith Davis ('21-'24)
- Diane Doser ('20-'23)
- Walt Robinson ('19-'22)
- Cindy Shellito ('20-'23)
- Rachel Teasdale ('19-'22)
- Gary Weissmann ('20-'23)

### **TWP Facilitators**

The list of active TWP facilitators is: Reginald Archer, Kathryn Baldwin, Julie Bartley, Rachel Beane, Patrick Belmont, Pete Berquist, David Blockstein, Kate Darby, Edith Davis, Diane Doser, Sue Ebanks, Anne Egger, Kathy Ellins, Carolyn Eyles, Sarah Fortner, David Gosselin, Richard Gragg, Deborah Gross, Cynthia Hewitt, Michelle Kinzel, Kaatje Kraft, Ellen Metzger, Steven Mulkey, Cailin Orr, Rod Parnel, Ginny Peterson, Laura Rademacher, Joan Ramage, Gigi Richard, Catherine Riihimaki, Walt Robinson, Mary Savina, Cindy Shellito, Stefany Sit, Rachel Teasdale, Sean Tvelia, Joshua Villalobos, Karen Viskupic, Gary Weissmann, and Karl Wirth.

This year, we continued to use Google Forms for facilitators to indicate interest in facilitation. Finding volunteers to co-lead workshops has been straightforward, but ensuring engagement by all and equitable workload distribution across the group remain challenges for the program. One facilitator, Dallas Rhodes, formally removed their name from the list of active TWP facilitators. A few others have not participated in activities this year nor responded to the Google Forms surveys, even to indicate their uninterest in facilitating for now.

### **Meetings of TWP Management Team Members or Facilitators**

- Management Team meetings: The TWP Management Team met three times in FY 2021-2022, all to review applications received during that quarter: October 19, 2021, January 6, 2022, and June 17, 2022.

### **Applications During FY 2021-2022**

The Traveling Workshop Program Management Team received and reviewed 6 applications for workshops, approving 5 of them. One of the approved workshops was for the Becoming Inclusive Geoscience Leaders theme to be held at the University of Texas at Austin program in Fall 2022. Another was for a Building Strong Geoscience Departments workshop for San Francisco State University, one of the programs that applied prior to the Covid-19 pandemic but opted to wait for in-person workshops to return. Three additional programs requested workshops for Building Strong Geoscience Departments or for Cross-Campus Sustainability Programs, an indication that departments are returning to strategic planning needs post-pandemic. One workshop was not approved because it was not appropriate for the TWP program; the applicant is from an institution in Kathmandu, Nepal, and the management team felt that we could not meet their needs. The TWP still has a backlog of 6 workshops that were approved prior to the pandemic, but local hosts have indicated that for a variety of reasons they are unlikely to proceed with a workshop.

### **Workshops Conducted During FY 2021-2022**

Six workshops were conducted during FY 2021-2022, despite the ongoing COVID-19 pandemic.

- Mississippi State University: September 31-October 1, 2021
- Central Washington University: November 18-19, 2021
- Illinois State University: February 3-4, 2022
- Georgia State University: February 10-11, 2022
- West Virginia University: May 16-17, 2022
- San Francisco State University: August 18-19, 2022

Four of the workshops were Building Stronger Geoscience and Environmental Science Departments and Programs, and the remaining two were Supporting the Success of All Students (UT-Austin and CSU-Chico). Two of these workshops were virtual, in part because of Covid concerns and in part to allow for greater flexibility in scheduling. The Illinois State workshop in particular had the unexpected issues of needing a new facilitator at a late date because of a family emergency and then a snowstorm, so the virtual format was an excellent fallback option.

Overall, workshops reached approximately 97 participants across research institutions (R1 and R2). No PUI institutions hosted workshops in 2021-2022. Demographic information by such traits as gender or race/ethnicity is not tracked by NAGT.

The End-of-Workshop (EOW) evaluations were overwhelmingly positive, with an overall rating of 8.8/10 from 58 participants. These are broken down as follows:

- Mississippi State University: 27 participants, 20 evaluations, rating 8.84/10
- Central Washington University: 19 participants, 11 evaluations, rating 8.73/10
- Illinois State University: 10 participants, 5 evaluations, rating 8.4/10
- Georgia State University: 20 participants, 12 evaluations, rating 9/10
- West Virginia University: 15 participants, 5 evaluations, rating 9.4/10
- San Francisco State University: 6 participants, 5 evaluations, rating 8/10

In-person workshop facilitators noted that the return to in-person workshops was valuable because of the energy in the room and the engagement of in-person activities like gallery walks. However, the virtual format remains an important tool because it allows for flexibility in scheduling. Illinois State had to pivot to a virtual format because of a snowstorm, one of a few logistical wrinkles that affected that workshop. They were able to add a gap of two weeks between the two workshop days, allowing for homework to be done in the interim. Even for some in-person workshops, facilitators met with administrators virtually, relieving some time pressure during in-person workshops.

Facilitators consistently noted that pre-workshop surveys and the SWOT analysis were valuable for revealing commonalities and differences in participants' views. Several workshops faced challenges of tension between faculty members that were only revealed in private or anonymously. Action planning was also valuable, especially for programs that are in transition. Diversity, equity, and inclusion were topics covered in all workshops, including the Building Stronger Departments/Programs workshops.

Almost all EOW evaluation respondents were able to articulate one or more things that were learned and that were valuable. Ongoing challenges include managing diverse expertise and interest of participants, and assessing the long-term impacts of each TWP.

### **Progress on Workshop Development**

There are four needs facing the TWP that require development efforts moving forward.

- Finish revising materials based on NSF-funded workshops, including long-term tracking of impacts, incorporation of DEI content, and further training of facilitators in facilitation techniques
- Determine an appropriate fee structure for virtual workshops versus in-person workshops
- A sustainable model for membership on the management committee and in the pool of facilitators to allow for distributed leadership responsibility, to ensure that our facilitators remain engaged throughout their time in the TWP, and to offer professional development as facilitators to more NAGT members

- Better marketing for the program to ensure that there continue to be robust numbers of applications

**Next year's contact for report**

Walt Robinson, TWP Chair, [warobin3@ncsu.edu](mailto:warobin3@ncsu.edu)



## Annual Report

2022

*Mike Phillips*

*Secretary/Treasurer*

### **Goals for NAGT work over the past year**

We planned to work with the Advocacy Committee to redevelop the Advocacy website to be more up-to-date and user friendly, to review and update the existing positions statements, to work on meeting location guidelines, and to share advocacy ideas and information via the NAGT newsletter and In The Trenches.

### **Membership**

The Advocacy Committee added two new members (Cory Forbes and Brendan Anderson) to replace members rotating off (Catherine Riihimaki and Frank Granshaw). Continuing members are: Mike Phillips (chair), Don Haas, Suzanne Metlay, Margaret Crowder, Wendi Williams, Joel Singley

### **Progress towards goals: Participation and achievements as an officer of NAGT**

**Advocacy:** Catherine Riihimaki led the development of a new Advocacy page on the NAGT web site; that new page is now live. The Advocacy Committee has been reviewing and developing updates to the NAGT's Position Statements. Revisions of two of the statements (K-12 Education and Dual Credit) have been completed, and we are beginning the process of evaluating the statement on Evolution. (Revision of the Climate Change statement was completed in 2021.) A proposal to develop a statement on Diversity, Equity, and Inclusion was approved by the Exec Comm at the September 2022 meeting. In July, the American Geophysical Union (AGU) announced a return to in-person Congressional Visit Days (CVD); three members of the Advocacy Committee were accepted of which two (Cory Forbes and I) were able to participate. I was partnered with a soil science professor/President of the Soil Science Society of America (SSSA) from Indiana and the SSSA Government Relations Manager who acted as our facilitator; we met with staff from the offices of the Senators from Illinois and Indiana with whom we discussed the importance of Federal funding for research and to support educators.

### **Progress towards goals: Personal achievements and work relevant to NAGT Advocacy**

I continue to serve on the Faculty Advisory Council to the Illinois Board of Higher Education where I advocate for both science and 2YC issues. In the past year, we discussed issues including the cost of textbooks, the increasing role of dual credit courses, and the college readiness of our student population. I have continued to work with the Illinois Department of Natural Resources and a local legislator on the development of a fossil park near my college; I was able to bring NAGT member and Mississippi State University Geology Professor Renee Clary to the site to meet with the park superintendent and discuss her work and research on





fossil parks around the U.S. Dr. Clary offered to help us as we move forward with plans for the site.

### **Goals for NAGT Advocacy work in the next year**

The **Advocacy** Committee may develop a new leave behind sheet for inclusion on our web site; members will be able to print and share it when they engage in advocacy. We will continue to work on statement revisions; all four existing statements should be up-to-date and the new statement on DEI should all be complete by the Fall of 2023. When the revisions are complete, the committee should develop a list of topics on which to develop new statements or endorse the statements of partner organizations. We would like NAGT to explore becoming a partner with AGU on their CVDs; the September 2022 CVD included the Geological Society of America, the American Meteorological Society, and the Soil Science Society of America as partners. the committee thinks participation would benefit NAGT members through the training and experience and the AGU by partnering educators with researchers when discussing the benefits of Federal programs that support both.

## NAGT DEI Annual Report September 2022

### Overview of the Diversity, Equity, and Inclusion Committee

The Diversity, Equity, and Inclusion Committee facilitates NAGT's DEI efforts to build an inclusive and equitable organization, and achieve its goals related to diversity of its membership, leadership, committees, award winners, and participants in all events. The Diversity, Equity, and Inclusion Committee reports to the Executive Committee. The committee holds biweekly regular meetings. The charge for this committee is at the end of this document. The committee workspace, including notes from committee meetings can be found here:

[https://nagt.org/nagt/about/workspaces/diversity/2022\\_meetings.html](https://nagt.org/nagt/about/workspaces/diversity/2022_meetings.html)

### 2022 committee members:

- Laura Rademacher (Immediate Past Chair) ('20-'22)
- Amy Weislogel (Chair) ('20-'23)
- Steve Mattox ('20-'22)
- Mimi Fuhrman ('20-'22), rotated off spring 2022
- Yadira Ibarra ('20-'22)
- Samuel Nyarko ('20-'23), now Dr. Nyarko, at STEM Education Research and Innovation at IUPUI
- Anika Knight ('22-'24), new, Geoscience Workforce and Diversity Specialist at UNAVCO
- Zarin Ali ('22-'24), new, Geologist & Researcher, India

Commented [GU1]: Should we list you as chair now?

### Establishing Membership and Term Length:

After the initial cohort began in 2020, committee members rotated out in 2021 and 2022 to produce a staggered turnover of members within the committee. After this experience the committee discussed procedures for determining membership that will allow us to maintain continuity within the committee, as well as guidelines for selecting a Chair. Once nominated and selected to serve on the committee, a member will serve 3 years, and after the 3 year term, a 1-year extension that requires committee approval can be sought by the member. After the 1-year extension, committee members can rejoin the nomination pool if they desire and can be considered for selection for another term. The Chair position will be rotated annually; a call for volunteers will be made and those interested in serving will develop a mutually acceptable schedule.

## **Establishing Metrics to Assess Organization Diversity**

The DEI committee has identified 2 goals that are integral to advancing its charge:

- **Improve response rate for demographics/identity of NAGT existing and incoming members**
- **Gain new members from identities historically underrepresented in NAGT**

In its annual 2021 report, NAGT reports identity information regarding its membership. The identifiers include self-reported race/ethnicity, disability status, gender identity, and employment. However, in examining the data, we learned that there is a very low response rate in self reporting identities. The DEI committee, as with other NAGT committees, continues to work toward obtaining reliable demographic information with which to assess the diversity of the NAGT membership.

Our suggestions to improve identity data and allow the committee to make progress on its goals related to membership include:

- Strongly encourage all members to report identity when renewing, and implement regular blasts/social media campaigns as reminders
- Add age, career stage, and international status as the AGU does in its membership sign up
- Analyze membership by divisions (Geo2YC, Geoscience Education Research, and the Teacher Education Division)
- Determine how/when/where NAGT gets new members. Currently this information is not available. We are interested in the possibility of sliding scale for membership fees for folks who also belong to teaching professional orgs./societies/interest groups around marginalized identities, but first we want to see how new people "find" NAGT to join.
- Track demographic information for NAGT awardees and nominees for all awards so we can have a baseline as we try to diversify the awards that NAGT offers.
- Track demographic information for EER participants over the last 5 years to observe impact of in-person, online, and hybrid options on meeting participation.

Until improvements in data collection and transparency are achieved, our plan moving forward is to use participation in the EER meeting as a proxy for NAGT diversity overall. We will request this data in the coming year and analyze it to establish benchmarks.

## **NAGT DEI At Earth Educator Rendezvous 2022 and Second National Conference on Justice in Geoscience**

- The committee proposed a Roundtable at Rendezvous on the topic of "NAGT Initiatives in Diversity Equity and Inclusion" during the last day of the meeting. Committee members Weislogel and Rademacher moderated the roundtable

discussion. At least 9 people participated, including people interested as future committee members! The feedback and input from the participants was fantastic.

1. They suggested a long list of interest groups in geoscience around differing identities, most of which operate on various social media platforms. They emphasized the utility of social media in raising visibility and reaching a diverse audience to attract members.
  2. They stressed that DEI efforts require both work and resources and wanted more information about the ways NAGT allocates resources toward DEI efforts. As our committee operates without a budget, we did not have much information to provide to that inquiry beyond the JEDI Award.
  3. They were excited to learn more about the JEDI award and wanted better publicity for the awardees. They suggested sharing a video message by the awardee to the membership.
- One committee member (Nyarko) attended the second national conference on justice in geoscience in Washington, DC., and moderated a session on Demographic Trends Over Time in Geoscience Higher Education. A major suggestion from the session included ways to make demographic elements more inclusive and committee chair (Weislogel) has already contacted the leadership of NAGT to consider some of these suggestions. The committee was also briefed on several topics from the conference and we have included some of these in our future goals.

#### **Increased Collaboration on DEI within NAGT**

- On May 10, 2022, three committee members (Rademacher, Nyarko and Mattox) held an informal meeting of NAGT DEI efforts with representatives from the Geoscience Education Research Division (GER), 2YC, and the Teacher Education Division (TED). In this meeting, TED shared a draft of NAGT's Diversity Statement for DEI Committee review and comments. The sharing of information and conversation was fruitful and participants thought that this should become a bi-annual event to better coordinate and advance DEI efforts across the organization. Discussions centered around:
  - Seeking feedback from groups on our vision and goals; challenges of getting demographic data; adding questions to member survey; and what data is most important to track.
  - Sense of what members want from DEI Comm., e.g., webinars
  - Virtual access for K-12 and need for shared time on events teachers on different schedules than other academics); need to connect with OEST awardees; and tagging items in TTE.
  - Clear posting of NAGT policies; ethics complaint procedures by division or all NAGT (Is there an anonymous way to report ethics violations?)
  - Need for tracking: speakers, nominees, webinars
  - How can members offer suggestions to DEI Comm? Or other committees.

- In 2022, the DEI committee had one member (Weislogel) serve on the EER '22 Planning committee, and one DEI committee member (Nyarko) will serve on the EER '23 Planning committee.

### **2022 Webinar**

Our committee has aimed to hold 1 webinar each year. This year, we decided to make the webinar topical. We developed a webinar focused on the lessons learned regarding meeting modalities during the COVID, and how those lessons could be shared and used to improve meeting participation. Our webinar this year was on September 14, 2022 and was entitled “*Community Efforts to Broaden Conference Participation in the Geosciences*” The webinar panelists we invited were Megan Plenge, EER 2022 Conference Chair; Teaching Associate Professor at University of North Carolina at Chapel Hill; Rebecca Fazzari, Director of Meetings & Events, Geological Society of America; Tramond Baisden, President, National Association of Black Geoscientists. We got to hear from members and meeting organizers about how meeting modality impacts experiences and participation at professional meetings and discussed ideas on how meeting modality can support inclusivity in the geosciences.

Of the 55 people who registered, 22 participated, including committee members and panelists. As this was the first webinar of the season, we note this event may not have been advertised as widely or links didn't get to registrants (we ourselves did not get email notice about the webinar).

Suggestions that emanated from the webinar included:

- Evaluate EER demographics for online versus in person meetings over the last few years. This information was not available from any of the panelists
- Can presentations be recorded for later access? This may be a cheap option that could be used by EER for future meetings.

These points will be relayed to the EER planning committee about these options.

### **Website**

We continue to maintain the NAGT DEI website: <https://nagt.org/nagt/dei/index.html>  
This website includes a list of references that have been revised and updated thanks to Kim Hannula and Anne Egger. See <https://nagt.org/nagt/dei/resources.html>

The DEI committee initiated a Diversity Story Collection and continues to maintain this as part of its website. This collection has clear submission guidelines and currently includes eight insightful stories. [https://nagt.org/nagt/dei/diversity\\_stories.html](https://nagt.org/nagt/dei/diversity_stories.html) As submissions have been contributed, we have been developing written guidelines for curation of this collection. We will finalize these guidelines in the coming year.

### **JEDI Awards**

The Committee selected the second JEDI award recipient. This year the committee evaluated 4 nominations for the JEDI Award and selected Dr. Vashan Wright. His nominator was Dr. Rowan Martindale. Through this iteration, we developed a written document to guide administration of the award and evaluation criteria. We also developed guidelines to publicize the award to increase nominations across geoscience organizations that support diverse identities.

### **GSA Booth Participation:**

The committee has developed DEI committee materials for the NAGT booth in order to advertise our past DEI award winners at GSA Booth in Denver and at EER in Pasadena in 2023.

### **Action Items for 2023:**

1. Continue our regular work in promoting DEI centered activities at EER, administer the JEDI award, and continue to curate Diversity Stories.
2. We plan to acquire EER demographic data for the 8 years and evaluate trends in the identities of participants. We will use this to a) assess the diversity of the community that NAGT serves with its marquee event and b) develop benchmarks to improve the diversity of EER participants.
3. Work with NAGT personnel to improve tracking of demographic information for awardees and nominees for NAGT awards.
4. Develop an update to NAGT's 2020 Message on Racial Injustice and an updated response to the letter by Dr. Hendratta Ali.
5. Eric Pyle made suggestions to connect with NSTA; we aim to reach out to this organization to improve participation of pre-college educators in NAGT

## NAGT Diversity, Equity, and Inclusion Committee

### **Charge to the DEI Committee**

The NAGT Diversity, Equity, and Inclusion (DEI) Committee is charged with facilitating the organization's efforts to achieve its goals related to diversity of its membership, leadership, committees, award winners, and participants in all events. This committee reports to the Executive Committee.

### **Tasks of NAGT Diversity, Equity, and Inclusion Committee**

- In coordination with the Executive Committee and a strategic plan, establish metrics for and assess progress towards diversity goals in an annual report.
- Recommend activities to promote and increase membership of groups that are currently underrepresented in NAGT to the Executive Committee, and work with the Executive Director to implement approved activities
- Recommend activities to increase and support participation of underrepresented groups in NAGT programming
- Recommend strategies to broaden nominations for awards, committee positions, and leadership opportunities and work with committee chairs and Executive Office to implement them
- Provide expertise on inclusive practices to the organization as needed

### **Membership**

The committee will consist of 7 members from across the organization who are appointed by the Executive Committee. One member of the committee will be a member of the Executive Committee; all others will be selected from nominees to provide a breadth of expertise and diverse backgrounds. Committee members should be knowledgeable of inclusive practices in organizations and should represent a range of institutions, geographic regions, and personal identities. Members will serve staggered three-year terms. The committee chair will be selected from the committee members and appointed by the Executive Committee for a three-year term.

**NAGT Investment Committee**  
**FY 2022 Annual Report**  
**September 29, 2022**

**Members of the Investment Committee:** Reginald Archer, NAGT 2<sup>nd</sup> Vice President; Randy Richardson, At-Large member; and David Steer, At Large member, Mike Phillips – NAGT Secretary/Treasurer, and Gene Pearson, Chair

Members of the Investment Committee met via Zoom on March 16, 2022, and July 27, 2022. At the March 16, meeting the members of the Committee reviewed the performance of the two mutual funds with endowed fund investments: Oakmark Equity Income Fund and Vanguard Balanced Fund. The Committee recommended to the Executive Committee that a diversified approach to endowment investments be continued. The Committee also recommended that the Executive Committee continue to use the 4.5% payout rate when developing the FY 2023 NAGT budget.

The Investment Committee again reviewed the performance of the Oakmark Equity Income Fund and the Vanguard Balanced Fund at the July 27<sup>th</sup> meeting. Ms. Amy Colette joined the meeting to explain challenges obtaining a Medallion Signature Guarantees in order to make changes in the registration of the Oakmark Equity Income Fund. To address this issue the Committee recommended to the NAGT Executive Committee that the endowed funds invested in the Oakmark fund be transferred to the Vanguard account.

Respectfully submitted,

Gene Pearson, Chair  
NAGT Investment Committee



***NAGT Nominations Committee Annual Report***  
***Jennifer M. Wenner, current past-President and chair***  
***Report prepared September 29, 2022***

As chair of the 2022 Nominations Committee, I presided over one virtual meeting of the committee (Anne Egger, Don Hass, David McConnell, and Karen Viskupic) where we determined the slate of officers to stand for election.

- We had five nominations in the queue for NAGT officers: 1 for 2<sup>nd</sup> Vice President and 4 for Councilor-at-Large.
- These nominations were distributed to the committee for review.
- The committee of the five most recent past-Presidents identified candidates to run for /serve as 2<sup>nd</sup> Vice President and three open Councilor-at-Large positions (two for a 3-year term, one to complete the final year of Aida Farrow's term).
- The slate of candidates developed by the committee was strong. The new officers were elected and certified. They are:
  - Rory McFadden (2<sup>nd</sup> Vice President),
  - Lynsey LeMay (Councilor-at Large, 2022-2025),
  - Michael Hubenthal (Councilor-at Large, 2022-2025), and
  - Ryan Hollister (Councilor-at Large, 2022-2023).

## **NAGT Professional Development Planning Committee Annual Report, 2021-2022**

Prepared by: Karen Viskupic, committee chair, from reports provided by each subcommittee

The NAGT Professional Development Planning Committee (PD Committee) oversees all NAGT professional development programs including:

1. Webinar Series
2. Workshop for Early Career Faculty
3. Preparing for an Academic Career Workshop (held at EER)
4. Traveling Workshops Program (TWP)
5. Earth Educators' Rendezvous (EER)
6. Teach the Earth website

**During the 2021-2022 year, these programs reached over 1,200 participants (not including Teach the Earth website visits).**

The PD Committee continues to work to provide high-quality and relevant PD programs to the geoscience community. Many programs returned (or partially returned) to in-person programs during the 2021-2022 academic year. The community, and the committee members, recognize the value of providing virtual programming, and part of our current and ongoing work is to better understand how to balance in-person and virtual PD programs. Some programs are by design virtual (webinars) or can be offered virtually if desired (TWP). Other programs have been traditionally offered in person and switched to virtual formats only during the pandemic (EER, Early Career). We are exploring and discussing ways to provide virtual PD programs that would provide opportunities for sustained interactions among participants.

Below is a summary of the 2021-2022 NAGT PD programs. Full reports from each program chair can be accessed at:

[https://nagt.org/nagt/about/workspaces/workshop\\_plan/programactiviti.html](https://nagt.org/nagt/about/workspaces/workshop_plan/programactiviti.html)

### **1. Webinar Series: 1,106 participants**

[https://nagt.org/nagt/profdev/webinars/webinar\\_archive.html](https://nagt.org/nagt/profdev/webinars/webinar_archive.html)

Committee chair: Rory McFadden, Gustavus Adolphus College

NAGT offered 25 webinars during the 2021-2022 academic year, that showcased NAGT sponsored projects, programs, and divisions including: NGSS-ESS, EDDIE, IGUaNA, GEO2YC, and ADVANCEGeo.

“During 2021-2022 academic year we ran multiple webinars on strategies and resources on equity and inclusion in coordination with ADVANCEGeo, Early Career Workshops, and the NAGT DEI committee. These webinars addressed building inclusive communities, teaching strategies and policies, promotion and tenure, and survey results on impacts on historically excluded groups. Through the webinar series, the NGSS-ESS delivered numerous webinars on the supporting and implementing the NGSS and Project EDDIE led multiple webinars to help instructors use environmental datasets in their courses. In addition, the Geo2YC division initiated a new set of webinars on issues especially relevant to 2YC instructors.”

“Throughout the 2021-2022 academic year, there were over 3600 registrants and over 1100 attendees. This is a reduction of about 20% of registrants and attendees compared with 2020-2021, but slightly above the registrants and attendees from 2019-2020. On average, webinars had 147 registrants and 44 attendees.”

“The webinar series evaluation had a 28% response rate, with 308 respondents completing end of workshop evaluations. These respondents reported an average satisfaction of 9.38 (scale 1-10), 3.69 (scale 1-4) for participant exchange during the webinar, 3.88 (scale 1-4) for webinar technology, and 3.93 (scale 1-4) webinar facilitation – all slight improvements compared with 2020-2021.”

## **2. Early Career Workshop: 40 participants**

<https://serc.carleton.edu/NAGTWorkshops/earlycareer2022/program.html>

Workshop chairs: Martin Wong, Colgate University; Josh Galster, Montclair State University; and Ben Laabs, North Dakota State University

The Early Career Workshop was held June 21-25, 2022 at the University of Maryland, with an optional visit to NSF on June 27-28. The 40 workshop participants were:

- Gender: 53% female, 45% male, and 2% selected neither male or female
- Institution: 48% research, 20% public, 13% private, 17% comprehensive, 2% 2-year
- Ethnicity: 23% Asian, 17% Hispanic, 5% African American, 0% American Indian, 0% Pacific Islander

“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. We have sessions on topics including effective teaching strategies, course design, establishing a research program in a new setting, working with research students, balancing professional and personal responsibilities, and strategic planning for a successful career. A new workshop goal of discussing and developing strategies for broadening participation in geosciences was supported by a series of webinars designed workshop for NAGT Facilitators.”

“In 2022, leader training opportunities included a set of webinars, including (1) Climate Survey of the Geosciences: Disproportionate Impacts on Historically Excluded Groups (Feb. 15, 2022) led by Erika Marin-Spiotta, (2) Building Inclusive Communities for Research and Scholarly Activities (April 7, 2022) led by Hendratta Ali, (3) Towards a More Inclusive Geosciences: Teaching Strategies and Policies to Support All Students (May 17, 2022) led by Phoebe Cohen and Lisa White, and (4) Promotion, Tenure, and the Value of Diversity, Equity, and Inclusion Work (May 26, 2022) led by Joshua Villalobos, Aaron Velasco, Aradhna Tripathi, and Tessa Hill.”

## **3. Preparing for an Academic Career Workshop: 24 participants**

[https://serc.carleton.edu/earth\\_rendezvous/2022/program/morning\\_workshops/w1/index.html](https://serc.carleton.edu/earth_rendezvous/2022/program/morning_workshops/w1/index.html)

Workshop chairs: Lisa Gilbert, Cabrillo College; Sue Ebanks, Savannah State University; Lyndsey LeMay, Thomas Nelson Community College; Brendan Hangar, Colorado School of Mines; Gary Weissmann, University of New Mexico

The Preparing for an Academic Career Workshop was held July 11-13, 2022 at the Earth Educators' Rendezvous

“This workshop is designed specifically for graduate students, post-doctoral fellows, and others who are interested in pursuing academic careers in the geosciences. The main goals of the 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 includes presentations, discussions, small group activities such as application materials review and elevator pitch practice, and periods of informal Q & A with co-conveners, alumni of the workshop, and fellow participants. Each participant will develop or revise a plan for the next stage in their career and will cultivate ideas that they can immediately implement.”

“The 24 workshop participants were mostly students: approximately 40% were students within 1.5 years of finishing their Ph.D. and 40% anticipated finishing their graduate degree 2 or more years in the future (including one undergraduate student). The remaining 20% of the participants were post-doctoral fellows. Participants self-identified as non-Hispanic White (70%), Black (13%), Asian (9%), Hispanic (4%), and/or Native American (4%); 74% of participants identified as female, 17% identified as male, 4% identified as a gender other than female or male.”

#### **4. Traveling Workshops Program: XX participants**

TWP chair: Catherine Riihimaki

Report will be updated when TWP annual report is received

#### **5. Earth Educators' Rendezvous: 224 participants**

[https://serc.carleton.edu/earth\\_rendezvous/2022/program/index.html](https://serc.carleton.edu/earth_rendezvous/2022/program/index.html)

EER co-chairs: Cory Kirkpatrick, Megan Plenge

Report will be updated when EER annual report is received

#### **6. Teach the Earth Website: XX participants**

committee chair: Phil Resor

Report will be updated when TTE annual report is received



## Annual Report

2022

*Ad-Hoc Sections Committee*

- Charge and tasks and connections to the NAGT mission and goals

Background: Regional sections allow members to interact with Earth educators in their region and can be a hub for sharing and facilitating place-based geoscience education. Regional and place-based know-how can be particularly valuable to K-12 and 2YC members. Sections run the Outstanding Earth Science Teacher award programs and provide leadership opportunities. Currently, some sections have been inactive for several years, others are struggling to maintain leadership, and a few are thriving. Yet sections are the primary interaction that many members have with the organization.

Charge: to re-envision and strengthen our framework for sections.

Tasks:

1. Review section leader questionnaire
2. Recommend the overall number and geographic areas for sections
3. Determine ways to better coordinate/communicate between sections and the national organization
4. Streamline/develop consistency of basic operations amongst sections
5. Suggest additional opportunities for regional connections, such as state- and campus-level representatives, student, chapters, K-12 recruitment, etc.

- Committee membership

Margaret Crowder, current chair, current president of NAGT

Brendan Hanger, Pacific Northwest section

Susan Meabh Kelly, President New England section

Craig Nichol, Vice President Pacific Northwest section

(need a replacement) SERC (ex officio)

Sean Tvelia, Past President Geo2YC

Christy Visaggi, OEST Coordinator, Southeastern section, GER, TED

Emily Ward, Past President GER

- Activities and progress towards goals

A map of changes has been created and feedback has been obtained over several months from the Council, Ex Comm, and attendees at the EER. The committee is nearing time to draft a Bylaws change to make this revision official.



A revision the liaison setup has been proposed and approved. Recommended guidelines for the new co-liaisons have been drafted and are still being finalized.

A shared workspace for section leaders has been developed and is online. Materials for this workspace may include such things as:

- ✓ Documents for recruitment, member drives
- ✓ Bylaws, when present
- ✓ Financial report support
- ✓ Section set-up guidelines and help for such things as banking
- ✓ Names/contacts of liaisons, all section leaders, OEST chairs
- ✓ Lists of past leaders

The goal for this space is a clearinghouse for sections materials and a space for communication and sharing of ideas between sections.

- Timeline for future work

The sections committee will work with the executive office to determine a timeline for things such as officer transitions, etc. for the changeover to the new sections organization/proposed bylaws changes. Alongside this work, the committee will continue to work on liaison guidelines and recommendations, materials for the shared workspace, and a calendar of events/timeline for sections to share on annual needs for the section and for various officer positions.

- Committee membership, including upcoming needs for new members/chairs

The committee needs a replacement from the executive office to replace Ian Taylor who was the original ex officio member in this capacity.

## 2022 K-12 Ad-hoc Committee Annual Report

The K-12 Ad-hoc committee was approved by leadership and formed in April of 2022.

Committee members include:

- [Ryan Hollister](#) (Chair) - Modesto JC/Stanslaus State (CA), NAGT FW Councilor-at-Large, OEST
- [Laura Hollister](#) (Co-Chair) - Pitman HS Living Earth Teacher (CA), TED Past President, OEST
- [Christy Visaggi](#) (Co-Chair) - VP NAGT, TED, OEST
- [Kellyn Griffin](#) - Porterville HS (CA), Earth Science Teacher
- [Cheryl Manning](#) - Past President NESTA, various NAGT involvement. (CO)
- [Enrique Reyes](#) - Aiken Early College HS (TX)
- [Sabrina Ewald](#) Centennial HS, Texas - AAPG ToY, EnviroSci/Astro
- [Alec Aitken](#) University of Saskatchewan, outreach/field activities with middle/high school educators.
- [Margaret Brewer-LaPorta](#) Monroe-Woodbury HS (NY), geo/archeology, stude
- [Belinda Jacobs](#) - Past-President NESTA, Cedar Ridge High School (TX), GSA Education Committee
- [Dawn Chegwidde](#)n - Lewisville High School (TX), AP EnviroSci

The committee held meetings in April, May, June and July of 2022. During the meetings the committee selected, organized and summarized lessons for K-12 teachers to be shared on a website for Earth Science Week. Several members wrote short narratives of the benefits of NAGT membership for K-12 teachers to be shared at various conferences where NAGT has a presence.

During its meetings, the committee has recognized the need for clearer benefits to K-12 teachers from NAGT. K-12 teachers have a very different work schedule than post secondary educators and have significantly different needs as well. The committee hopes to clarify the needs of K-12 teachers and what NAGT can do to meet those needs. The committee would like to see increased K-12 membership and would like to see NAGT provide greater opportunities for K-12 educators to participate in NAGT leadership. This would require modifications so K-12 teachers can attend meetings. Some of those supports might be modified meeting times or funding for substitutes to allow teachers to miss class time while they participate in meetings.

The K-12 ad-hoc committee struggles itself to find meeting times that accommodate all of its members who are spread across 3 time zones and who predominantly work in classrooms. As a result, this committee is not attempting to meet every single month of the year, but instead when members agree there is adequate time and work to complete. The committee members all feel strongly about this group and are optimistic about NAGT's ability to increase K-12 membership and participation moving forward.

# NAGT Executive Office 2022 Annual Report

Submitted by Mitchell Bender-Awalt, SERC Project Coordinator

## Executive Office Staffing

The Executive Office supports the work of the Executive Director, the management of the organization, and the management and implementation of the NAGT programming and activities. The personnel in the Executive Office saw a few transitions the 2021-2022 fiscal year. In January 2022, Amy Collette (SERC Finance Director) stepped back from her role as the operations manager of the Executive Office. Amy continues to manage the business and financial work of the Executive Office. Mitchell Bender-Awalt (SERC Project Coordinator) joined the Executive Office at that time, taking on the day-to-day management of the office. In February 2022, Ian Taylor left SERC for another opportunity outside of Carleton and closer to home. Maureen Kahn (SERC Content Specialist) took on some responsibilities related to the awards process after Ian's departure. For three months, the Executive Office operated short-handed until Rebeccah Bradley (SERC Administrative and Financial Assistant) joined the SERC office in June 2022. Pa Yao Vue and Monica Bruckner continue in their roles as critical staff members supporting the work of the organization. The Executive Office staff meet approximately every two weeks with the Executive Director, Anne Egger, to provide updates and coordinate our work.

## NAGT Administration and Executive Committee Support

Our ongoing efforts for NAGT included support for the Executive Committee, Council, Committees, Divisions, and Sections in their work. We worked to support organization leadership through workspace management, virtual meetings, and for the Executive Committee's annual "face-to-face" meeting (which was held virtually this year due to ongoing challenges related to COVID-19). We also supported committees in their volunteer work for the organization, particularly supporting the formation of the new Development, Membership, and Sections committees. We successfully executed the 2022 elections. Members of the Executive Office also participated in Executive Director and SERC contract discussions.

Executive Office staff worked with member volunteers in several ways. We participated in the redesign of the website, from planning stages to the implementation of changes to the look-and-feel, structure, and content. We supported the work of the DEI Committee through the setup of support for the Diversity Stories collection. We continued to support for students and faculty to find both virtual and field-based field camps, improving upon the infrastructure and process developed last year. We also facilitated creating a web resource that supports this year's AGI Earth Science Week theme "Teaching About Sustainability." Members of the Executive Office assisted with the hosting and development of the NAGT-sponsored Integrated, Coordinated, Open, Networked (ICON) action for Earth and Space Science Education Initiative website.



Our close collaboration with and support of the USGS/NAGT Field Study Cooperative program continued. Dr. Burmeister worked with office staff on updating the forms and surveys. We also continued to support their listserv that fosters community-building for Field Camp leaders.

We continued to support the professional development programming of the organization. We worked with NAGT leadership on executing the Earth Educators' Rendezvous (EER), which took place in person for the first time in two years. This year's conference was held in the Twin Cities, MN, and featured 6 Monday-Wednesday morning workshops, 4 Thursday-Friday morning workshops, 13 afternoon mini-workshops, 11 roundtable discussions, 2 plenary speakers, 36 oral presentations, 44 poster presentations, 10 share-a-thon presentations, and 7 teaching demos. Attendance was down to 224 from its pandemic high of 430. The workshop for the Early Career Geoscience Faculty: Teaching, Research, and Managing Your Career was offered again this year and included 38 participants and 11 leaders. We also supported 6 traveling workshops, 25 webinars, a virtual Review Camp, and the Heads & Chairs workshop at AGU.

## Membership

In supporting NAGT's membership management, we saw a decrease in membership for 2022 (1422 members; a 12% decrease from 2021). This past year we continued our efforts to consistently provide Sections and Divisions regular updates on their membership. We hope that receiving this type of regular communication helps everyone support increasing memberships in the organization.

For more detail, see the 2022 Membership Report.

## Finances

The Executive Office continued to manage the finances of the organization. We worked with the Executive Director and Treasurer to budget and present the FY23 financials to the Executive Committee. We also monitored and reported on the financials for FY22. In addition, we continued to support Division treasurers in their role, providing information when requested. Upon agreement of the Investment Committee and approval from the Executive Committee, we moved remaining funds in our Oakmark account to Vanguard. Additionally, we managed the 2021 tax return, including preparation of supporting documents, reports for the Executive Director and Executive Committee, and filing with governmental agencies. Finally, we renewed the general liability insurance and D&O insurance for the organization, processed 1099s and cooperated with Clifton Larson Allen on the audit of FY21 finances.

## Publications

The Executive Office worked in coordination with the publishers and editors for the Journal of Geoscience Education (JGE) and In the Trenches (ITT). We continued to support JGE in the individual subscriptions to our members and ensured that mailing lists were sent to the publisher upon request. Over the course of the past year, we have processed 37 publication charge invoices, receiving payment on 54% of those billed. We also completed the relocation of

all remaining back-issues from Allen Press to storage in the SERC office. The Executive Office worked with the ITT copy-editor and printer on reviewing and proofreading issues, managing mailings to current NAGT members, and mailing back issues to new members. The Executive Office managed providing an online version of each issue of ITT. We also worked with the ITT copy-editor to complete the transition to all-online issues of ITT, with the exception of the October issue, which features the Association's award winners. The Executive Office produced an annual report for 2021 that was distributed to all members.

### Marketing, Advertising, and Communications

We represented NAGT virtually at GSA Connects 2021, through multiple activities, including booth reservations, planning, and attending meetings for the Executive Committee, Council, Divisions, and the NAGT/USGS Field Study Cooperative program. In lieu of an awards luncheon, we created a GSA awards page that highlighted all the awardees. We would have presented these at a face-to-face luncheon but opted for a virtual option for the awards and meetings due to COVID. We also supported NAGT at AGU 2021, including planning, packing, shipping, and staffing/volunteer management for the NAGT booth. The Executive office also prepared and shipped materials for the booth at the UTEACH STEM Conference. Each month, Executive Office staff prepared and distributed the NAGT News newsletter via email, and managed NAGT's social media platforms. We also developed new advertising materials and signage, including a new NAGT membership rack card, Earth Science Week bookmark, and banners.

This year, Executive Office staff implemented a new tool for promotion and fundraising for the organization—the NAGT merchandise store. Staff members researched potential online stores, developed mockups of products, designed the website, and advertised the new store. Since going live in June, the store has sold 22 times, not including those ordered by the organization. Executive Office staff continue to monitor and manage the NAGT store.

### Awards Program

We continued to support the awards process. In February, 55 Field Camp scholarship applications were processed, and we awarded 20. We also supported 13 OEST winners (6 Section, 8 state; one of these winners was both Section and state awardees), notifying partner professional societies of the awardees, and preparing for the announcements through our website and publications. Plaques were ordered and citations were solicited for Shea, Christman, JEDI, OEST, and JGE award winners.

### Computer Services

The Executive Office continued to support the organization's web presence through the NAGT website, hosted by Serckit. We leveraged Serckit to enable internal and external communications using email lists and workspaces. Office staff engaged in day-to-day maintenance to the website, including fixing broken links, updating leader information, and minor content updates.

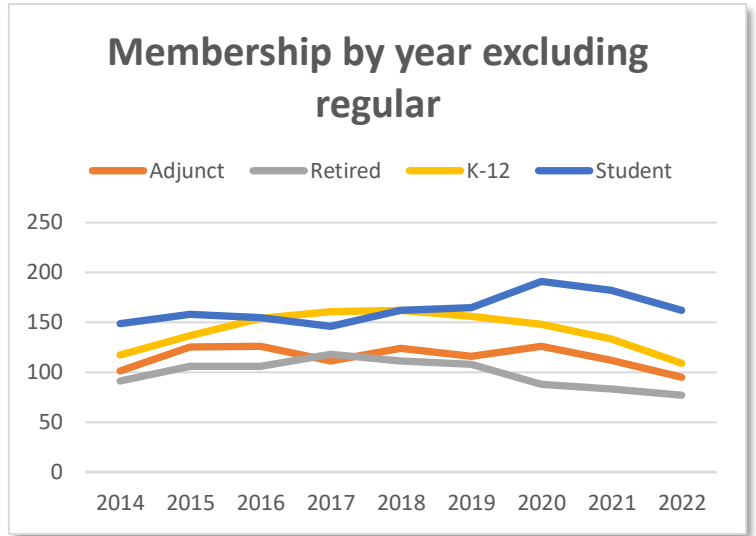
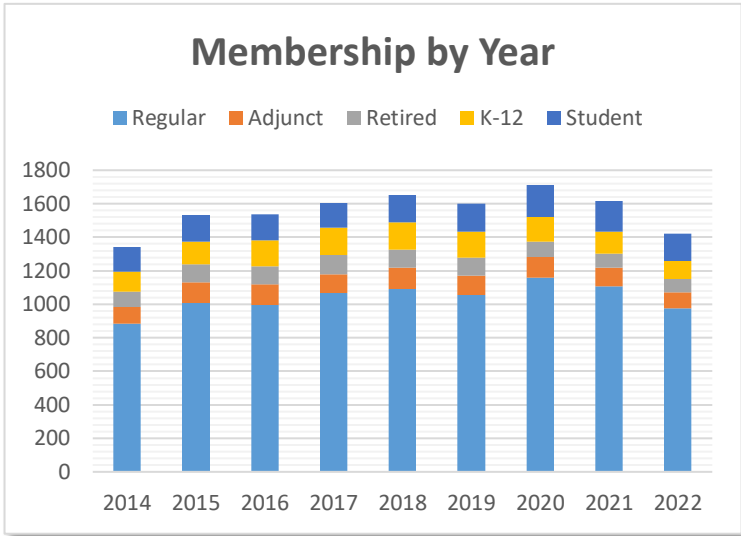
See also the 2022 Website Analytics Reports.

# NAGT Membership Report

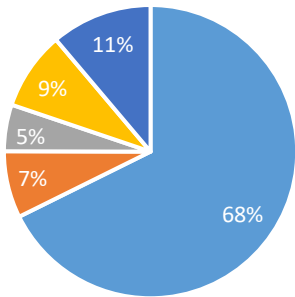
August 31, 2022

## Membership Highlights:

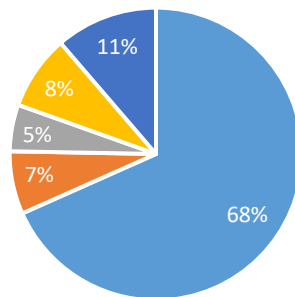
- Memberships: 1422; decrease of 12% from last year
- Auto-renew is down slightly from 44% in 2021 to 43% in 2022
- Strongest section memberships are Central with 250 and Eastern with 247
- Division membership is down slightly for the year



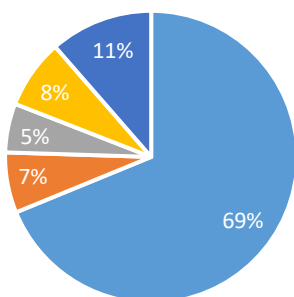
Membership Type (%) 2020



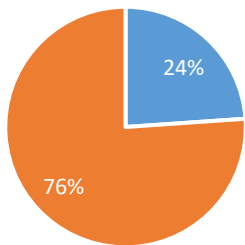
2021



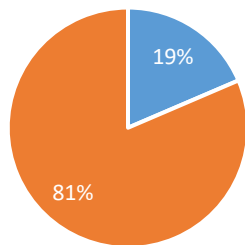
2022



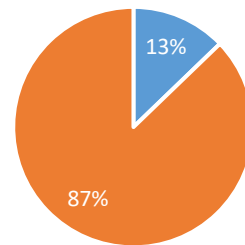
New vs. Renewing Members 2020



2021



2022

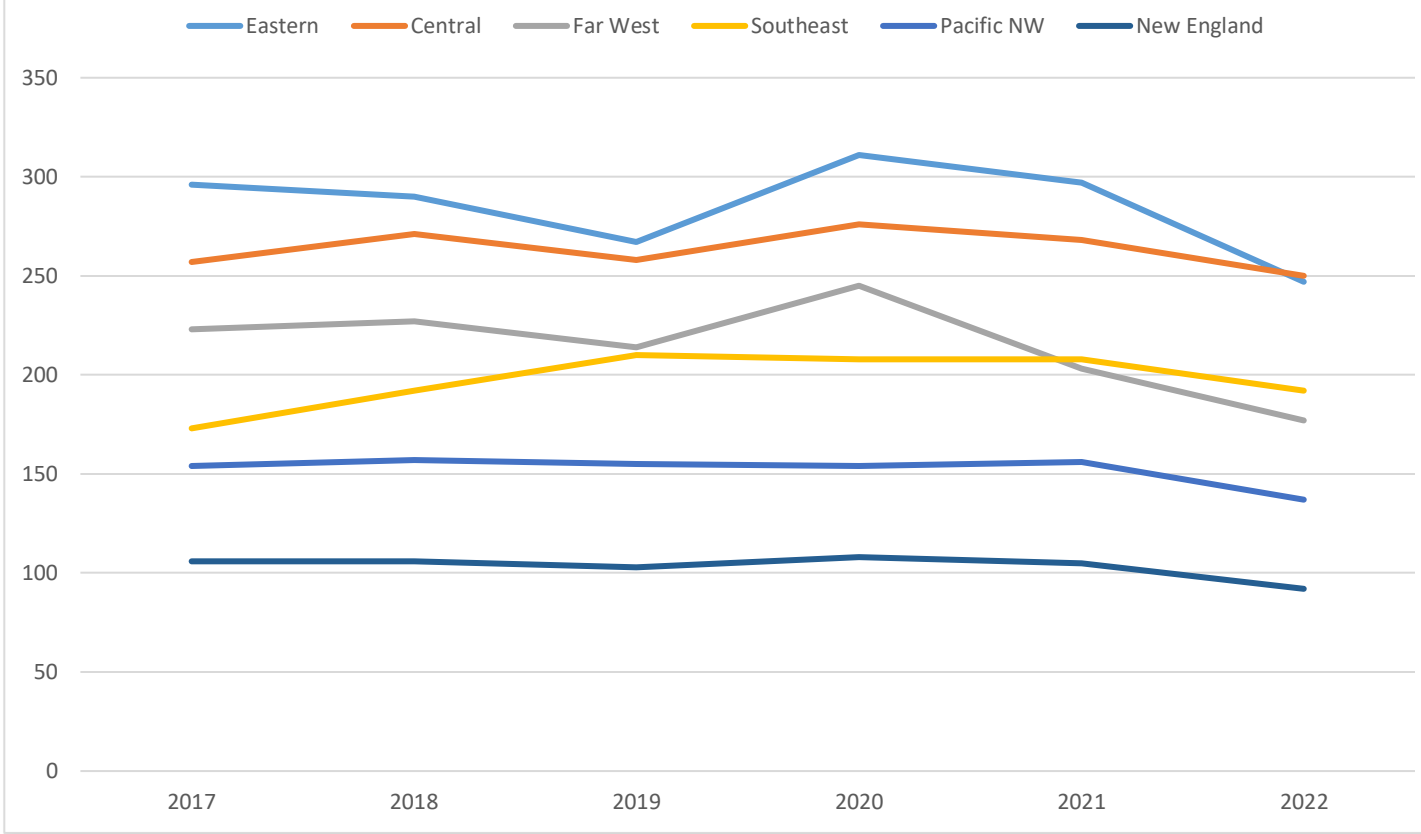


■ New ■ Renewing

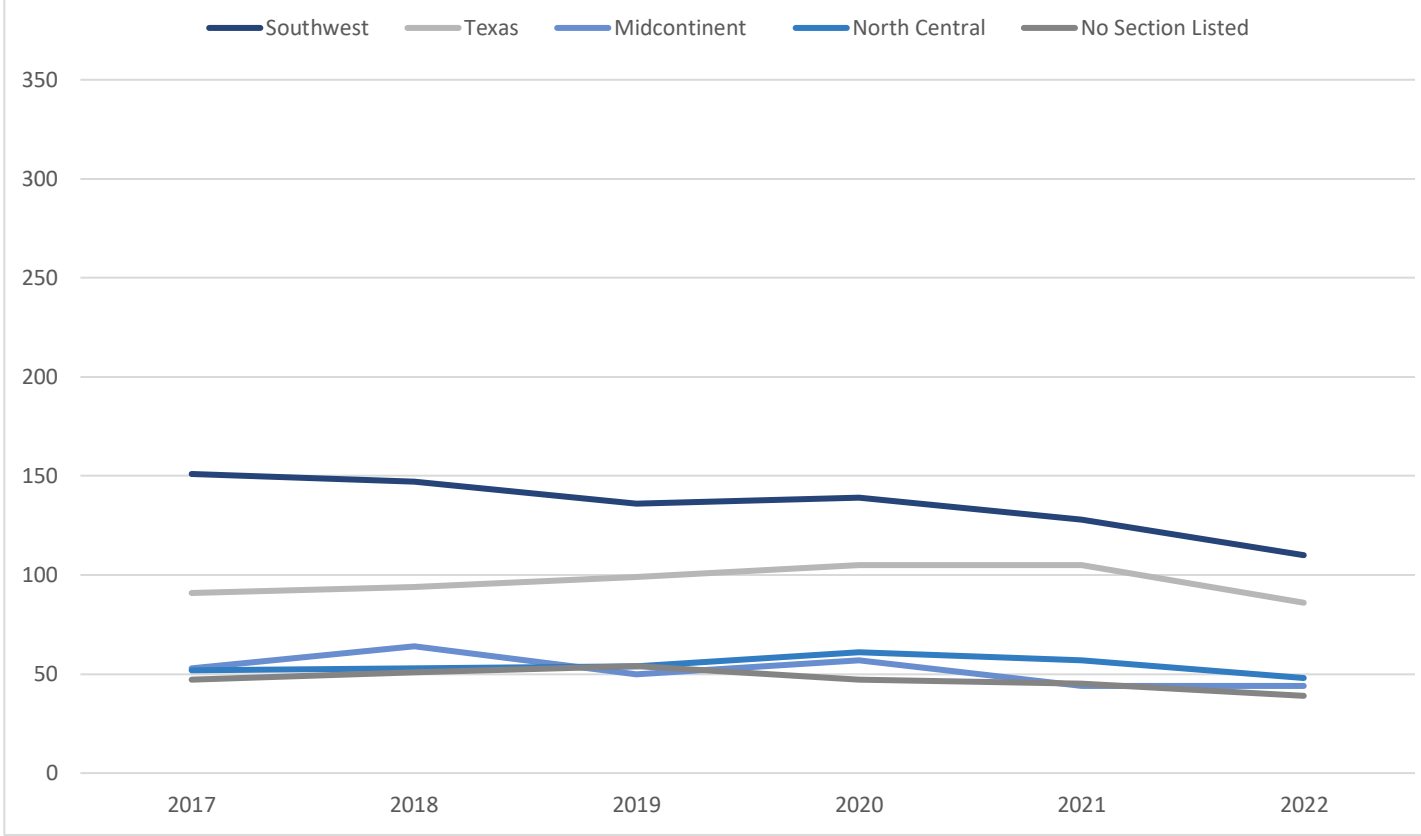
■ New ■ Renewing

■ New ■ Renewing

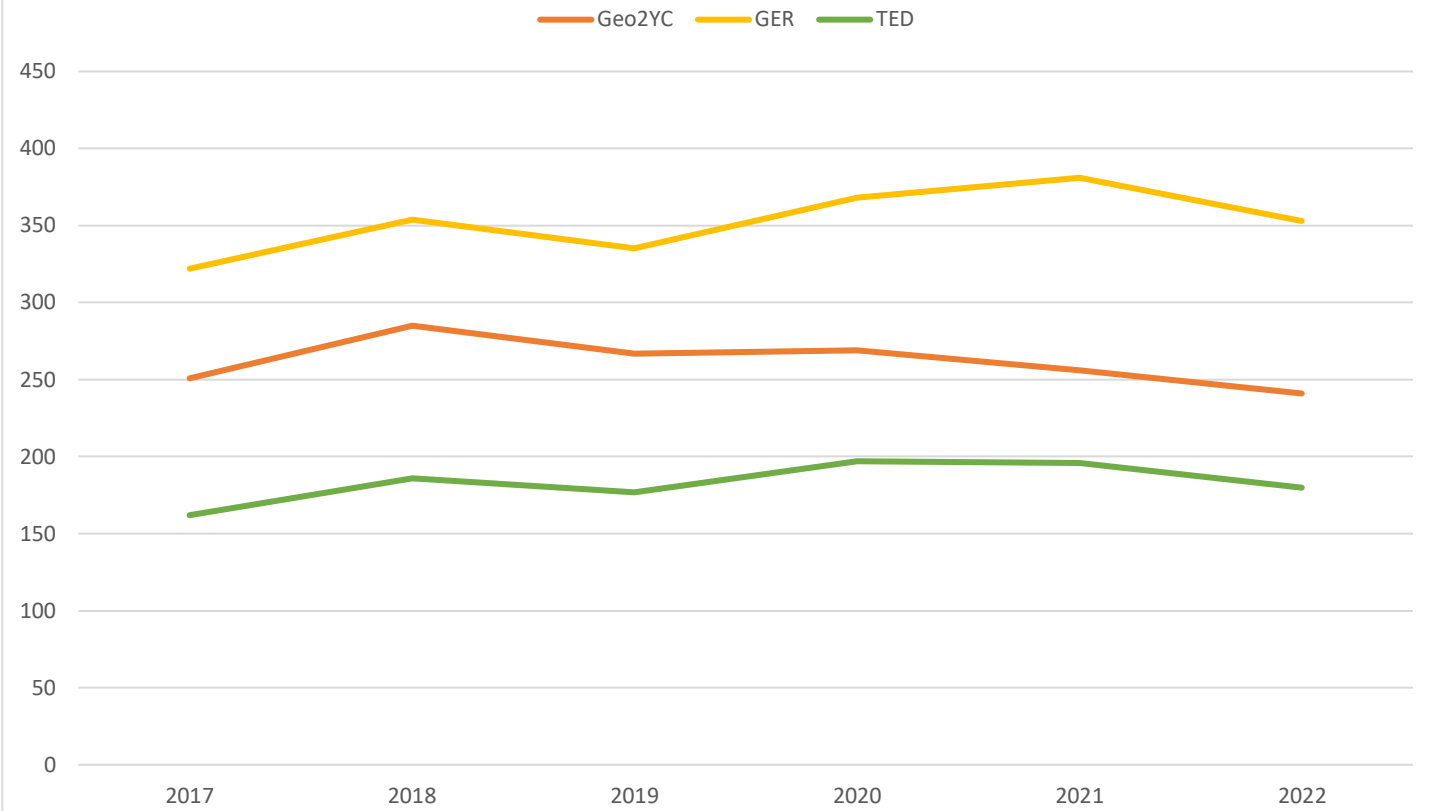
### Active Section Membership



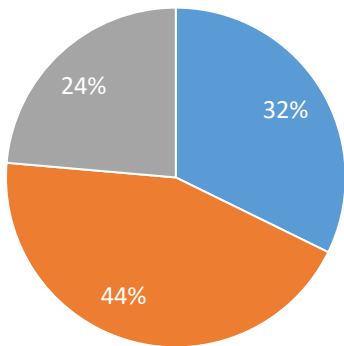
### Inactive Section Membership



## Division Membership

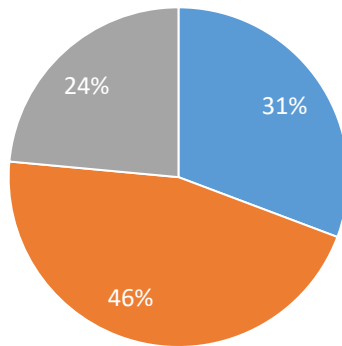


Division Membership (%) 2020



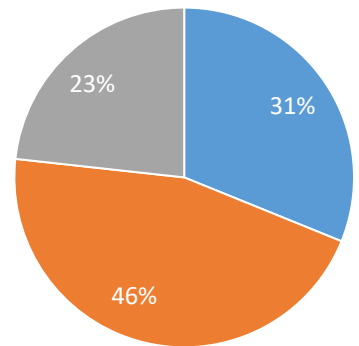
■ 2YC ■ GER ■ TED

2021



■ 2YC ■ GER ■ TED

2022



■ 2YC ■ GER ■ TED



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# NAGT WEBSITE ANALYTICS REPORT

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AUGUST 14, 2021-AUGUST 13, 2022

September 19, 2022

## LEAD AUTHORS

Ashley Carlson  
Mitchell Bender-Awalt

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## OVERALL WEBSITE USE AND BEHAVIOR

Between August 14, 2021 and August 13, 2022, the NAGT website received 156,653 visits (sessions) from 127,458 users of whom 7.9% were repeat visitors (Figure. 1). This is a slight decrease in both sessions and users from the corresponding period last year. Annual users and sessions remained consistent from 2007-2015, rose in 2016-2017, and appear to have stabilized again 2018-2022. During the period between the years 2015-2016 and 2018-2019, the numbers of users and sessions approximately doubled.

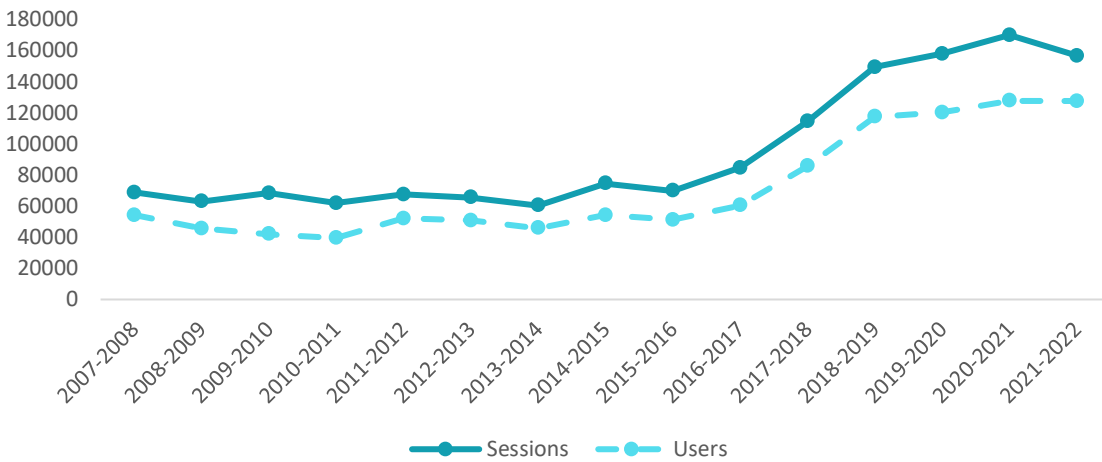


Figure 1. The sessions and users per year (August-to-August) from 2007 to 2021.

In the period between August 14, 2021 and August 13, 2022, patterns of monthly NAGT website use remained mostly consistent with the previous year (Figure. 2). The site received 7.23% fewer visits from 0.08% fewer users compared to the previous year. Website use in January exceeded that of the previous year, while use in the spring and summer months was lower.

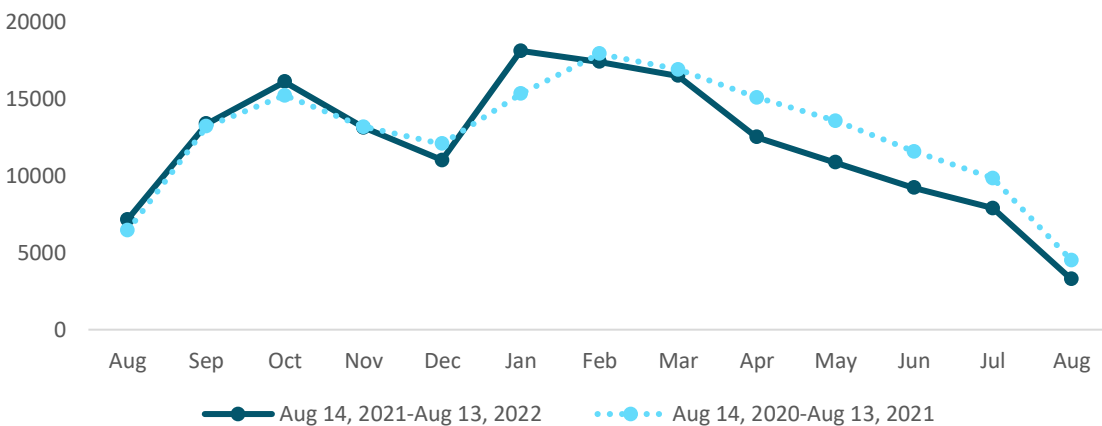


Figure 2. The number of sessions per month for Aug 14, 2020-Aug 13, 2021.



Between August 14, 2021 to August 13, 2022 there were 227,648 unique page views compared to 241,662 for the previous period, representing an 5.08% decrease (Figure. 3). The most popular pages on the website for this period, as a percentage of unique pageviews, were Analysis Tools (6.3%), the NAGT home page (5.9%), and JGE (3.2%). The most popular webpages in the previous year, August 14, 2020 to August 13, 2021, were also Analysis Tools (6.5%), the NAGT page (5.2%), and JGE (4.1%). The general trend of pageviews over time remains consistent with the previous year, showing increases in October and again during the winter months and a decrease through summer.

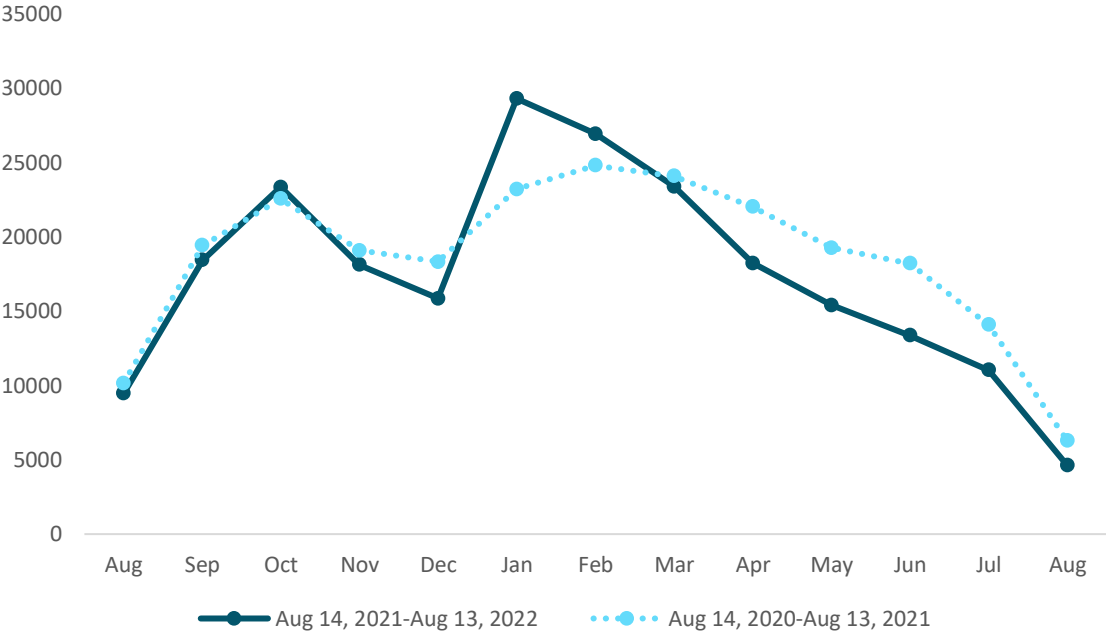


Figure 3. The unique pageviews per month for Aug 14, 2019-Aug 13, 2022 and Aug 14, 2020-Aug 13, 2021.

## SECTION AND DIVISION WEBSITE USAGE (FOR THOSE HOSTED BY SERC)

Traffic to Section Websites hosted by SERC, overall, decreased by 6%. The Pacific Northwest and New England sections had increases in unique pageviews, +18% and +24% respectively. Table 1 shows the values for this year and the previous, in addition to the percent change for each section.

Table 1. The August-to-August unique pageviews by year and percent change for each section.

Section	2021-2022 Unique Pageviews	2020-2021 Unique Pageviews	Percent Change in Unique Pageviews [%]
Central	342	382	-10
Northwest	412	349	+18
New England	281	227	+24
North Central	122	168	-27

Traffic to Division websites increased by 10% from the previous year (Table 2). The GER Division had more unique pageviews with a 10% increase from 731 to 824. The Geo2YC Division showed a 10% increase from 413 to 453 unique pageviews. The TED Division increased by 19% from 443 to 525.

Table 2. The August-to-August unique pageviews by year and percent change for each division.

Division	2021-2022 Unique Pageviews	2020-2021 Unique Pageviews	Percent Change in Unique Pageviews [%]
GER Division	824	731	+9
Geo2YC Division	453	413	+10
TED Division	525	443	+19

## NEW NAGT CONTENT

Additions to content on the NAGT website included new work as well as continued work on previous projects to support faculty and students in finding field camps, sharing stories in diversity, and a feature for Earth Science Week. These efforts, along with unique pageviews for associated webpages, are shared below.

### Field Camps

- In continuing the efforts from Summer 2020 to support faculty and students find options for Summer 2022 offers open to all students. In February 2022, the page was updated to a [searchable collection](#) that included search facets for On-line, Hybrid, and In-person. From the time of its creation to August 13, 2022, this page received 1,227 pageviews.

### Earth Science Week

- Annually, NAGT assembles reviewed K12 teaching resources from the Teach the Earth collection to address the theme of [Earth Science Week](#). This year (2022), the theme was Teaching about Sustainability. The Earth Science Week webpage received 99 pageviews and the Teaching about Sustainability received 16 pageviews in the Aug 14, 2021 – Aug 13, 2022 time period. A decrease from the previous year.

### ICON action for Earth and Space Science Education

- The Integrated, Coordinated, Open, Networked (ICON) action for Earth and Space Science Education initiative, and the resulting activities related to three community-authored commentaries, was sponsored by NAGT and an [ICON page](#) was developed to house information related to the initiative. This page received 1,235 unique pageviews since its creation, between September 27, 2021 and March 1, 2022.

### In the Trenches

- With the publication of its January 2022 issue, [In the Trenches](#) transitioned to an online format for 75% of its issues. [The January 2022 issue](#) has received 339 pageviews from the time of its publication to August 13, 2022. [The April 2022 issue](#) has received 193 pageviews from the time of its publication to August 13, 2022. [The July 2022 issue](#) has received 119 pageviews from the time of its publication to August 13, 2022. Overall, the pages which fall under the In the Trenches portion of the website received 8,358 unique pageviews in the August 14, 2021-August 13, 2022 period compared to 8,252 in the previous year, representing a 1% increase.

## GER Awards Pages

- The Geoscience Education Research (GER) Division developed new pages to host information on the [Emerging GER Scholars Award](#). The award is intended to recognize promising graduate students pursuing a Master's or Ph.D. in the field of geoscience education research, and to provide financial support for personal and professional expenses to broaden the set of opportunities available to those scholars. The Emerging GER Scholars Award page received 108 unique pageviews and has received 2 unique submissions.
- The GER Division also developed pages to host information on the [GER Early Career Award](#). This award is intended to honor early-career colleagues in their first 10 years after completing their dissertation who have made significant contributions to the development of geoscience education research or made significant gains toward increasing the capacity for geoscience education research within our community. The award page has received 167 unique pageviews and 4 unique nomination submissions between its creation and August 13, 2022.

## NAGT Blogs Page

- In June 2022, a set of new pages was created to centralize all NAGT and member blogs. The top index page, [NAGT Blogs](#), has received 35 unique pageviews since its creation. All pages connected to the new structure received 56 unique pageviews.

## REFERENCES

- NN Group (2019) Satisficing: Quickly Meet Users' Main Needs. Nielson Norman Group. <https://www.nngroup.com/articles/satisficing/> Accessed 2/2/2020.
- NN Group (2019b) How Long to Users Stay on Web Pages? Nielson Norman Group. <https://www.nngroup.com/articles/how-long-do-users-stay-on-web-pages/> Accessed 2/6/2020.

## APPENDIX

Data tables for the figures presented in the text:

Table 3. The sessions and users per year (August-to-August) from 2007 to 2021 as shown in Figure 1.

Year	Sessions	Users
2007-2008	68653	54070
2008-2009	63006	45531
2009-2010	68267	42033
2010-2011	61893	39500
2011-2012	67351	52130
2012-2013	65610	50825

Year	Sessions	Users
2013-2014	60298	45921
2014-2015	74549	54271
2015-2016	69798	51217
2016-2017	84667	60360
2017-2018	114460	85679
2018-2019	149179	117316
2019-2020	157764	120231
2020-2021	169917	127558
2021-2022	156653	127458

Table 4. The Number of sessions by month for this year and last as presented in Figure 1.

Month	Aug 14, 2021-Aug 13, 2022 Sessions	Aug 14, 2020-Aug 13, 2021 Sessions
Aug	7164	6450
Sep	13389	13208
Oct	16121	15223
Nov	13144	13189
Dec	11029	12072
Jan	18125	15340
Feb	17410	17927
Mar	16500	16909
Apr	12517	15089
May	10864	13570
Jun	9220	11584
Jul	7891	9844
Aug	3279	4512

Table 5. The pageviews by month for this year and last as presented in Figure 3.

Month	Aug 14, 2021-Aug 13, 2022	Aug 14, 2020-Aug 13, 2021
Aug	9477	10163
Sep	18453	19438
Oct	23352	22581
Nov	18142	19088
Dec	15862	18333
Jan	29325	23230
Feb	26947	24811

Month	Aug 14, 2021-Aug 13, 2022	Aug 14, 2020-Aug 13, 2021
Mar	23396	24111
Apr	18241	22041
May	15407	19283
Jun	13385	18217
Jul	11041	14090
Aug	4620	6276