



National Association of Geoscience Teachers

2017 Annual Report

Prepared for the 2017 Annual Meeting
Seattle, Washington

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**NAGT Annual Report
Spring 2017
Anne Egger
President, 2016-17
Report prepared September 21, 2017**

Goals from last Report:

- Complete revision of vision, mission, and goals, and thorough populating of website with these statements (see Ex Com work)
- Get Website Management Committee fully up and running and functioning well (see committee work)
- Continue to streamline sponsorship requests and define what is decided by presidential line, what is decided by ExCom, and how we want to compile responses. (not complete)

NAGT Executive Committee work:

- Meetings attended
 - September face-to-face meeting at GSA, virtual meetings in November and January; bi-weekly presidential line phone calls; face-to-face meeting in Ellensburg in May; June virtual meeting
 - At the November meeting, I led the discussion of the vision and mission, and helped lead the discussion about committee appointments and energizing award committees to solicit nominations.
 - At the January meeting, I updated the ExCom on professional development and website committees.
 - At the May meeting, I helped lead a broad discussion about publishing and the publishing portfolio we would like to have and **we finalized and approved the vision and mission.**
- Geo Society Education Collaborative: After the GSA meeting in September, 2016, we established the Geo Society Education Collaborative, which consists of the leadership from NAGT and NESTA together with the education and outreach leadership from AGI, AGU, AMS, and GSA. We had several phone calls where everyone presented what they are doing and we talked about ways to collaborate. One of the more informative discussions was around the effective use of social media. Since that discussion, we have not met again, but the collaborative may be more event-driven. Currently, there is some discussion about collaborating to have a booth at the Science and Engineering festival.
- RFP for JGE publisher: I served as a member of the committee that solicited proposals from publishers to publish JGE. We received five proposals, of which three were deemed reasonable. We requested more information from all three and scheduled virtual meetings for follow-up questions, then met to come to a final recommendation for the ExCom.
- Executive Director contract negotiation: Cathy Manduca's contract as Executive Director of NAGT expired on August 31, 2017. With support from David McConnell and Amy Colette, I negotiated a new contract with Cathy, extending her term as ED for two years, to end on August 31, 2019. Given this relatively short timeline and the tremendous success Cathy has brought to NAGT under her leadership, transition planning will begin as early as spring 2018.

NAGT Council work:

- Meetings attended:
 - September face-to-face Council meeting, virtual meetings on February 10 and June 8.
 - At the fall meeting, I led the discussion about Teach the Earth, where Council members had the opportunity to give their insight.
 - At the February meeting, I led a very productive discussion about the vision and mission of NAGT and have incorporated the Council's comments into our current draft.
- Opportunities and challenges:
 - The Council is eager to engage in discussion when we are all on the phone or in person; there is little to no discussion over email. That is unsurprising to me, since membership in the group is very fluid and you don't always know who you are emailing, which tends to make people more reluctant to respond. I feel like the most successful discussions have also made it clear that the Council is advisory to the ExCom, and we are truly seeking their advice and input in order to make decisions or set policies.

NAGT Committee work:

- JGE Editor Search: Initially, I was serving as chair of the JGE editor search committee. After some prodding and soul searching, I decided to apply for the position myself, and stepped down from that role and committee.
- Professional development planning committee: I am currently still serving on this committee, though I have requested to step down for the upcoming year.
- Website Management committee: The new website management committee has been established, has a charge, tasks, and ten members. I stepped down as chair; **Jen Wenner is now serving as chair of this committee.**
- Award committees: I served as chair of Miner award committee and as a member of the Shea award committee. In both cases, I felt we had very strong pools of applicants this year, a result of pro-active (and specific) solicitation of nominations.
- Traveling Workshops Program: I led three "building strong courses" workshops through the traveling workshop program, one each at the University of Hawaii at Manoa, California State University – San Bernardino, and the Earth Educators' Rendezvous. Reports about these workshops can be found on the TWP website.
- Faculty survey: In the fall of 2016, we administered a fourth version of the survey that has gone out to all geoscience faculty. We are currently working to analyze that data and plan for sustainability of the program.

Liaison activity:

- As liaison to the Teacher Education Division (TED), I've attended their leadership telecons and met with the division at the annual GSA meeting. Jeff Thomas is the current president, and I am in regular contact with him; their tax ID and other information has been shared with Amy Collette.
- TED seems to be having some trouble making forward progress. They have asked for our input regarding partnering with ASTE, and we need to respond.

Conference/meeting participation:

- GSA Annual Meeting, Sept. 2016, Denver, CO
 - Participated in ExCom, Council, and TED meetings, Past Presidents' Breakfast
 - Met with AGI and GSA leadership (separately)
 - Staffed the NAGT booth
 - Attended the NAGT awards luncheon
- AGU Fall Meeting, Dec. 12-16, 2016, San Francisco, CA
 - Staffed the NAGT booth
 - Participated in Thriving Earth Exchange (TEX) workshop
 - Met with GeoSciEd Collaboration group
 - Led InTeGrate-related workshop
- Earth Educators' Rendezvous, July 16-21, 2017, Albuquerque, NM
 - Led 2-day course design workshop
 - Met with JGE publishing committee
 - Met with NESTA leadership
 - Led InTeGrate NGSS tagging camp

Other activities relevant to NAGT:

- March for Science: I was a speaker at the Seattle March for Science, along with Governor Jay Inslee, the mayor of Seattle, and several others. The Pacific Northwest section of NAGT partnered with the March, and our logo is on their web page.
- Updating America's Lab Report: I am serving on a National Academies committee to update the 2006 book "America's Lab Report: Investigations in High School Science." The focus of the study will be on investigations and projects inside and outside the laboratory that align with the Framework for K-12 Science Education and the Next Generation Science Standards. The Board on Science Education has been asked to expand the scope to include middle school as well as high school this time. We've had two meetings and the third takes place shortly after GSA.
- JGE Editor: I applied for and was offered the position of Editor of JGE. We are currently negotiating the contract; my term will begin in January of 2018.
- REU Director: Over the summer I had my first cohort of students who participated in our REU Site: Hazards and Risks of Climate Change in the Pacific Northwest. Two students worked with me to do research on sustainability education in the Pacific Northwest.

Upcoming Activities

- GSA Annual Meeting, Seattle, WA: Giving several talks
- Earth Educators' Rendezvous: Leading a 2-day morning workshop on course design (part of the TWP), participating in faculty survey working group, presenting a teaching demo and talk.

Goals for next reporting period:

- Continue to streamline sponsorship requests and define what is decided by presidential line, what is decided by ExCom, and how we want to compile responses.
- Submit NSF proposal for graduate student teaching certificate.

**NAGT Annual Report
Spring 2017
Don Duggan-Haas
First Vice President, 2016-17
Report prepared September 24, 2017¹**

Goals Addressed Since Last Report:

- JTPC responsibilities managed and transitioned from VP responsibility
- Continue advocacy efforts and transition committee leadership to Mike Phillips

NAGT Executive Committee work:

- Meetings attended
 - September face-to-face meeting at GSA, virtual meetings in November and January; bi-weekly presidential line phone calls; face-to-face meeting in Ellensburg in May; June virtual meeting

NAGT Council work:

- Meetings attended:
 - September face-to-face Council meeting, virtual meetings on February 10 and June 8.

NAGT Committee work:

- Advocacy Committee:

I served as chair until the Ellensburg meeting in May. This included work on March for Science activities, and writing several letters related to state legislative activities. At the May meeting, Mike Phillips assumed the committee chairmanship, but I remain active on the committee. The current political climate assures continued important work for the committee. See also related activities including service on the AGI Ad Hoc Committee on Sexual Harassment and participation in Geoscience Congressional Visit Day.
- GSA Joint Technical Program Committee:

I have served for the last two years as an NAGT rep, transitioning duties to John Tabor this year. John and I strived to reduce conflicts for NAGT-related activities, paying particular attention to Sunday morning conflicts. Given the large number of education sessions, conflicts are inevitable, but fewer than last year (we think).

Conference/meeting participation:

- GSA Annual Meeting, Sept. 2016, Denver, CO
 - Participated in ExCom, Council, and TED meetings, Past Presidents' Breakfast
 - Met with AGI and GSA leadership (separately)
 - Attended the NAGT awards luncheon
 - Was leader of instructional team for a pair of short courses on teaching controversial issues (2016 was the fourth iteration of these courses)

¹ With addition of final bullet on 9/25/17.

- Presented several talks
- AGU Fall Meeting, Dec. 12-16, 2016, San Francisco, CA
 - Co-instructor for GIFT workshop on Critical Zone science
- National Science Teachers Association Annual Meeting, Los Angeles, CA; April 2017 - Giving two talks (if accepted) and participating in multiple share-a-thons
- Earth Educators' Rendezvous, July 16-21, 2017, Albuquerque, NM
 - Led roundtable on controversial issues
 - Attended NAGT/NESTA leadership meeting

Other activities relevant to NAGT:

- Guest Editor for CZ Science Theme-Issue of *In the Trenches*: the October issue
- March for Science: I served on the organizing committee for the Buffalo and Ithaca Marches and developed a small Virtual Fieldwork Experience of Buffalo's Delaware Park for that march.
- Geoscience Congressional Visit Day: Earlier this month, I participated in Geoscience Congressional Visit Day on Capitol Hill. This included a day of training prior to visits with multiple congressional and senate staffers.
- AGI Leadership Forum: In conjunction with Congressional Visit Day, AGI hosted a leadership forum.
- AGI Ad Hoc Committee on Sexual Harassment: The committee has worked throughout the spring and summer, primarily through email, and with attendance at one virtual meeting of the full committee, and one for the small group task focused on "Intervention and Enforcement." A full draft is complete and will be reviewed as part of the AGI meeting at GSA.
- Youth Climate Summits: led workshops, and gave plenary talks at Youth Climate Leadership Summits in Seneca Falls, Rochester and Buffalo.

Upcoming Activities

- GSA Annual Meeting, Seattle, WA: Giving several talks
- Science Teachers Association of New York State Annual Meeting, Rochester, NY; November 2017 - Giving several talks
- American Geophysical Union Meeting; New Orleans, LA; December 2017 - Giving two talks and a GIFT Workshop (if accepted)
- Youth Climate Summits: Will lead workshops and give plenary talks at Youth Climate Leadership Summits at the Wild Center in Tupper Lake, NY; in Tinton Falls, NJ; and the second annual Buffalo summit
- National Science Teachers Association Annual Meeting, Atlanta, GA; March 2018 - Giving two talks (if accepted) and participating in multiple share-a-thons
- Earth Educators' Rendezvous

Goals for next reporting period:

- Continue to coordinate and strengthen NAGT's advocacy roles in ways appropriate to the organization's mission and goals.
- Convince myself that my colleagues in NAGT leadership at least understand my point of view with regards to the NGSS and the challenges of its implementation. Notably, this

has broader implications for other work in geoscience education research and its applications.

NAGT Annual Report
David McConnell
2nd vice-president, 2016-2017
Report prepared Sept 24, 2017

NAGT Executive Committee work:

- Attended meetings attended
 - September 25, 2016 (GSA)
 - November 29, 2016 (virtual)
 - January 24, 2017 (virtual)
 - May 4-7, 2017, (Ellensburg, CWU)
- assigned task: Chair, JGE Editor-in-Chief search

NAGT Council work:

- September 25, 2016 (GSA)
- February 10, 2017 (virtual)

NAGT Committee work:

- Chair, JGE Editor-in-Chief search
 - Virtual meeting to discuss status of search
 - Generated potential search and interview questions, drafted applicant letters
 - Participated in interviews at EER, managed search committee decision
 - Wrote recommendation letter to NAGT Executive Committee
- Member, JGE publisher search

Liaison activity:

- Southeastern section

Conference/meeting participation:

- GSA Annual meeting, Denver, September 25-28, 2017
 - Representative at joint AGI/GSA Societies meeting, September 26, 2016 (GSA)
 - NAGT representative at GSA Associated Societies meeting (virtual), March 22, 2017
 - NAGT/GSA meeting, September 26, 2016 (GSA)
 - NAGT Awards luncheon, September 27, 2016 (GSA)

Other NAGT work:

- NAGT publication w/Macmillan call, January 27, 2017
- NAGT Presidential line call participation (multiple dates)
- Participated in meeting with NESTA representatives at EER

Other activities relevant to NAGT:

- InTeGrate advisory board call, October 13, 2016
- InTeGrate virtual leadership meetings

- InTeGrate Research Team calls and meeting at Carleton College, March 1-3, 2017
- InTeGrate project assessment calls
- CInTeGrate publication -
- Co-author of an InTeGrate paper and two OtCE related publications:
 - *Pelch, M.A., and McConnell, D.A., 2017, How does adding an emphasis on socioscientific issues influence student attitudes about science, its relevance, and their interpretations of sustainability? Journal of Geoscience Education, v.65, #2, p.203-214.*
 - *Teasdale, R., Viskupic, K., Bartley, J.K., McConnell, D.A., Manduca, C., Bruckner, M., Farthing, D., and Iverson, E., 2017, A multidimensional assessment of reformed teaching practice in geoscience classrooms. Geosphere, v.13, #2, p.260-268.*
 - *Manduca, C., Iverson, E., Tewksbury, B., Luxenburg, M., Macdonald, H., McConnell, D.A., Mogk, D., and Tewksbury, B.J., 2017, Improving Undergraduate STEM Education: The Efficacy of Discipline-Based Professional Development. Science Advances, v.3, #2, e1600193, DOI: 10.1126/sciadv.1600193.*
- Co-author of two other DBER publications during this period.
- Presenter, “Teaching strategies to promote effective learning” at workshop for 2YC faculty at Wake Technical Community College, October 14, 2016
- Plenary speaker, “What research tells us about effective teaching strategies that we will actually use” National Association of Biology Teachers conference, Denver, November 4, 2016
- Panel speaker, AAC&U conference, Boston, November 5, 2016
- Higher Education Pedagogy Conference, Virginia Tech, February 15-17, 2017
 - Co-presented workshop, co-authored two presentations
- Departmental seminar, “Teaching Introductory geoscience courses to increase student performance and learning skills”, University of Illinois, Chicago, February 23, 2017
- Participated in March for Science, Raleigh, NC, April 22, 2017
- Earth Educators Rendezvous workshop leader “Developing or Modifying an Introductory Geoscience Course using InTeGrate Modules”, June 17-19, 2017
 - Co-host for morning workshop presenter’s webinar, April 4, 2017
- Workshop leader for “Online resources for Earth and Environmental Sciences” at Wake County Public Schools Science Learning Symposium, August 17, 2017.

Upcoming activities:

- GSA meeting, Seattle, I am involved in several talks as presenter or co-author to grad students or colleagues
- Earth magazine has requested a commentary article about InTeGrate.
- New publication, “Instructional utility and learning efficacy of common active learning strategies” due to be published in November JGE.

Goals for next reporting period:

- Become more familiar with roles and responsibilities of vice-President
- Determine potential topic of interest for future Presidential term

NAGT Annual Report
Fall 2017
Aida Awad
Secretary / Treasurer
Report prepared September 25, 2017

Goals from last Report:

- Continue to work in collaboration with the Executive Director's office on the budget.
- Submit a proposal for a follow-on NGSS-ESS Summit and secure funding.
- Organize the first half of the 2017-18 NGSS-ESS webinar series.

NAGT Executive Committee work:

- Attended meetings, presented financial reports, minutes, and NGSS-ESS reports:
 - NAGT Exec Comm meeting at GSA, September 2016
 - November Exec Comm virtual meeting
 - January Exec Comm virtual meeting
 - Spring face-to-face meeting
 - June Exec Comm virtual meeting
 - September Exec Comm virtual meeting
- Officer reports
 - Ongoing collaboration with the Exec Director's office on the NAGT budget.
 - Ongoing intensive collaboration with NGSS-ESS Working Group, including organizing monthly webinars. Weekly planning calls. Establishing a webinar team. Drafting a funding proposal for an NGSS-ESS follow-on Summit in 2018.
 - Developed and submitted a proposal for an AGU 2018 GIFT workshop in collaboration with Susan Sullivan, Ed Robeck, Cheryl Manning, and the American Biogas Council.
 - InTeGrate Assessment Team - ongoing paired essay scoring project and data analysis. Participating in bi-weekly phone calls, meeting at the Earth Educator's Rendezvous, and submission of a GSA and AGU (presenting author) abstracts.

NAGT Council work:

- Attended meetings, presented financial reports, minutes, and NGSS-ESS reports:
 - NAGT Council meeting at GSA, September 2016.
 - February Council virtual meeting
 - June Council virtual meeting
 - September virtual meeting

NAGT Committee work:

- Nominations Committee
 - Participated in online discussions related to nominations and rankings. Attended virtual meeting of Nominations Committee. Contacted nominee.
- Miner Award Committee
 - Participated in online discussions related to nominations and rankings.
- JGE Publisher Search Committee
 - Participated in reviewing proposals, and all interviews / calls convened by the committee.

Liaison activity:

- GSA Education Committee
 - Attended meeting at GSA. Communicated meeting summary and action items to Exec Comm.
 - Attended virtual winter meeting. Communicated meeting summary and action items to Exec Comm.
 - Having an NAGT Exec Comm member in attendance at these meetings is important to the ongoing collaboration between NAGT and GSA.

Conference/meeting participation:

- GSA Annual Meeting
 - Participated in the AGI Associated Societies meeting on behalf of NAGT.
 - Participated in the NAGT-AGI Leadership meeting.
 - Participated in the NAGT-GSA Leadership meeting.
 - Attended the NAGT Past President's Breakfast.
 - Presented a talk and a poster on behalf of InTeGrate.
 - Attended the NAGT luncheon.
 - Participated in the TED division meeting. Provided a report to TED on the NGSS webinar series.
- AGU Fall Meeting
 - Co-presenter for a GIFT Workshop entitled: "Images of a Changing Planet" with NAGT Past President Susan Sullivan; AGI Director of Education & Outreach, Ed Robeck; Google Geo Program Manager, John Bailey; and Oregon State Geology Professor, Peder Nelson.
- Earth Educator's Rendezvous
 - convened an NGSS Roundtable discussion
 - Participated in Earth Educator's Rendezvous events during the week long event.

Other activities relevant to NAGT:

- Contributed to NAS America's Lab Report Committee during the information gathering phase.
- Participated in the Fort Lauderdale 4/22 March for Science.

Upcoming Activities

- Preparing to submit a proposal for NSF funding of a follow on NGSS-ESS Summit.
- Developing 2017-18 NGSS-ESS Webinar series.
- Attending AGU in December. Submitted an InTeGrate abstract and GIFT workshop proposal.

Goals for next reporting period:

- Continue to work in collaboration with the Executive Director's office on the budget.
- Support the transition of JGE to the new publisher.
- Submit a proposal for a follow-on NGSS-ESS Summit and secure funding.
- Continue to organize the the 2017-18 NGSS-ESS webinar series, and building capacity with the new webinar team when they come on board.
- Convene an NGSS Working Group conference call in November.

NAGT Annual Report
Randy Richardson
Past President, 2016-17
Report finalized 24 September 2017

My goals as Past President: chair the Nominating Committee, provide help as needed by the President, and remain active on the Executive Committee and other NAGT Committees.

NAGT Executive Committee work:

- Meetings
 - Chaired the September face-to-face meeting at GSA, at which I continued discussion on a Presidential Line Roles and Responsibilities document; attended virtual meetings in November (where Presidential Line document was approved), January and June. Attended part of face-to-face ExCom meeting in April virtually.

NAGT Council work:

- Meetings
 - Attended September face-to-face Council meeting, virtual meetings in February and June.

NAGT Committee service:

- Nominating Committee (chaired this committee of the 5 most-recent Presidents to identify candidates to run/serve as 2nd Vice President and two open Councilor-at-Large positions, as well as to run/serve an unexpired Councilor at Large term. I'm thrilled with the results this year. In addition to chairing the committee I also created a process document for how the committee could operate in the future, in part because no so document was available and chairs come in a first-time members of the committee. That process document is in review. I also revised the very outdated spreadsheet used to identify and keep track of a pool of potential candidates for NAGT leadership positions. This committee service was clearly my primary contribution as Past President.
- Advocacy Committee (active in a number of email discussions/decisions on whether or not to support various requests, etc.)
- Professional development planning committee
- Website Management committee (attended virtual meetings, although I may no longer be a member)
- Miner Award: (active in reviewing a strong slate of candidates)
- Traveling Workshop Program (although a founding member, and still very interested in the program's success, I have found myself unable to actually participate in any of the site visits, a disappointment but probably a reality going forward.)

Conference/meeting participation:

- GSA Annual Meeting, 25-28 Sept 2016, Denver, CO
 - Chaired ExCom and participated in Council and Past Presidents' Breakfast; dropped in to TED, 2YC, and GER meetings; helped staff NAGT booth
 - Met with AGI and GSA leadership (separately)
 - Chaired the NAGT awards luncheon, handing over the gavel to Anne Egger

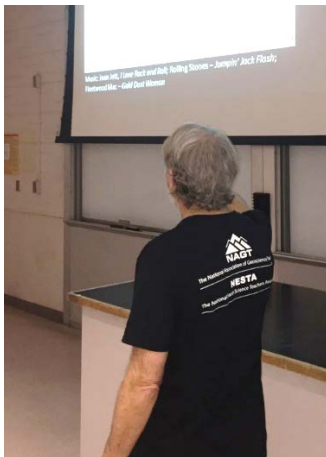
- AGU Fall Meeting, 12-16 Dec 2016, San Francisco, CA
 - Co-led, with Suzanne O’Connell and Dave Mogk, the Broadening Participation in the Geosciences: Making What Works Work for You workshop.
 - Staffed the NAGT booth
- Attended the Earth Educator’s Rendezvous in Albuquerque in July, 2017.

Other activities relevant to NAGT:

- March for Science (helped, as part of the Advocacy Committee, with decision of NAGT to become a sponsor, as well as identified portions of the March for Science platform that were potentially troubling. Also attended Tucson March for Science (see photos below from teaching my large 360-student Gen Ed class and the March for Science event in downtown Tucson☺.))

Goals for next reporting period:

- Help guide the Nominating Committee process document through NAGT to acceptance/adoption before next Nominating cycle.
- Help with thinking about how the Presidential Line can be best configured and utilized.



Randy, proudly wearing NAGT/NESTA tee shirt while teaching



Ginny & Randy, in 95°F Tucson March for Science Event



Randy watching eclipse



Post Totality ... “WOW!”

NAGT Executive Director's Office Report for 2017
December 19, 2017

Activities in the period April to August included a substantial focus on operations (new JGE editor, new JGE publisher, new Executive Office contract, new Assistant Director, new marketing lead, reconfiguring Executive office responsibilities, new procedures for timelines and work planning, leadership development and support). We worked to increase advocacy work with a new committee chair, new procedures, and increased activity including participation in the March for Science. We successfully executed the third Earth Educators' Rendezvous, strengthened management of the Cutting Edge program with new procedures, and the Teach the Earth website with a new committee chair, new charge, and establishment of policies supporting resource highlighting and community contributions to the website. We continued planning with AGI for an NGSS Summit in the Earth and Space Sciences and to discuss collaboration around publications and professional development with AGU and GSA.

As we look to the future, we anticipate that the next two quarters will focus on executing the transition to the new JGE publisher and editor and planning to integrate our publications to enable higher impact and stronger revenue. We are moving forward to develop advertising revenue through our publications (including the newsletter and website) and to increase donations to the organization. We continue to focus on supporting growth within the Cutting Edge, advocacy, and NGSS, and Serving our Communities activities. The finance committee will review our investment portfolio and policies in the next 6 months. A priority for the next year will be to develop and implement a plan that allows a transition to a new Executive Director by August 2019.

The NAGT director's office manages the daily operations and programming of the National Association of Geoscience Teachers. The operations include; membership database management, subscription database management, publication mailing lists, membership and subscriber renewal, member retention and new member recruitment, email list management, website management, finances and budgets, support for NAGT executive committee and council, the monthly news email, social media presence, and customer service. The programming includes; the Earth Educators' Rendezvous, the NAGT awards programs, the traveling workshop program and NAGT's presence at GSA and AGU.

In addition to these tasks, this year the executive director's office played a role in the following:

NAGT Management

- Successful transition and addition of key Executive office staff
- Welcomed new editor for *In the Trenches*
- Supported the *Journal of Geoscience Education* editor search and selection
- Worked with Clifton Larson Allen to fix the national organization's EIN and tax returns
- Prepared the timeline for the NAGT publishing contract for JGE
- Supported the JGE publication RFP process

NAGT Membership

- Instituted membership dues increase
- Coordinated end-of-fiscal year membership push that put us over 1600 for the first time in 10 years
- Increased NAGT's presence on social media on Facebook and Twitter

NAGT Programming

- Expanded the Traveling Workshop Program to include six new workshop themes
- Continued participant growth of the Earth Educators' Rendezvous
- Connected with InTeGrate webinar series for cross-project opportunities
- Launched *Serving our Communities* initiative and blog
- Continued support of NGSS efforts including EER tagging camp and webinar series

NAGT Initiatives

- Initiated formation of the Teach the Earth Portal committee
- Supported the Advocacy Committee including joining the March for Science as a partner organization
- Formed Geo Society Education Collaborative (AGI, AGU, AMS, GSA, NAGT, NESTA)
- Fundraising drive including new initiatives for revenue streams
- Continued development of publishing portfolio

September 22, 2017 Report to NAGT Executive Committee on JGE.

Submitted by Kristen St. John jge@jmu.edu

1. Editorial Board and Allen Press Managing Editor.

This is my 6th, and last, year as Editor-in-Chief. Alison Stokes is the Editor for Research. Heather Petcovic is transitioning out of the C&I Editor position (but will continue on as an Associate Editor). We welcome Karen Kortz as the new C&I Editor. Currently there are 22 regular associate editors. Eric Riggs joined the AE team as a guest AE for the GER theme issue. Allyson King is the current Managing Editor for JGE; she is with Allen Press. I anticipate that the new Editor-in-Chief and new publishing service provider will be announced shortly.

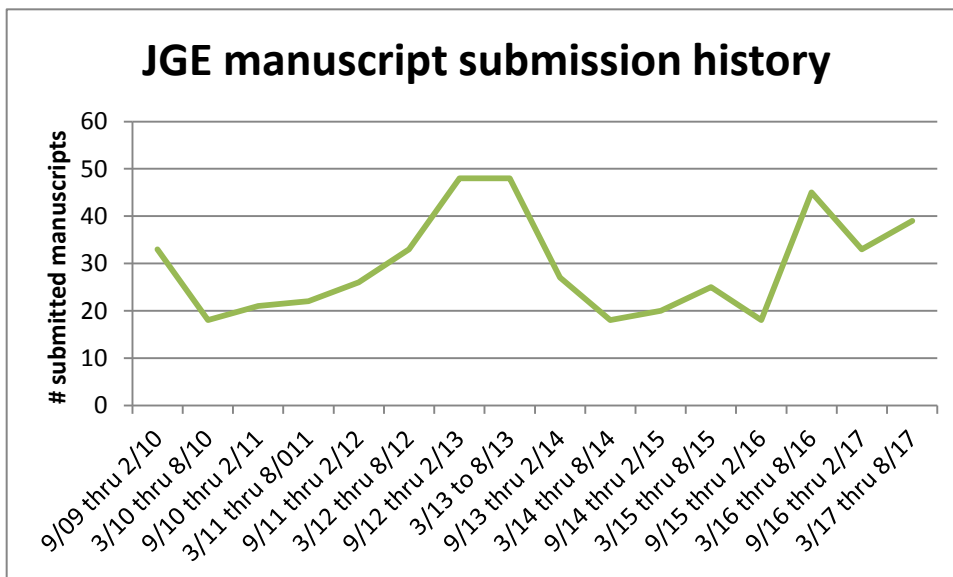
2. Journal Summary.

Table 1. Journal Summary Report 2009-2017 (see graphs next page)

6-month time window	Total # submitted manuscripts ¹	Acceptance Rate	Days from Receipt to First Decision	Days from Receipt to Final Decision
September 2009 thru February 2010	33	68%	88	314
March 2010 thru August 2010	18	83%	132	272
September 2010 thru February 2011	21	86%	181	299
March 2011 thru August 2011	22	71%	129	265
September 2011 thru February 2012	26	82%	114	250
March 2012 thru August 2012	33	69%	114	245
September 2012 thru February 2013	48	84%	141	282
March 2013 to August 2013	48	88%	180	321
September 2013 thru February 2014	27	70%	119	292
March 2014 thru August 2014	18	69%	127	263
September 2014 thru February 2015	20	76%	116	296
March 2015 thru August 2015	25	54%	92	186
September 2015 thru February 2016	18	73%	92	266
March 2016 thru August 2016	45	70%	114	215
September 2016 thru February 2017	33	79%	105	156
March 2017 thru August 2017	39	67%	(58)	(83)

¹ There are a few differences in the data reported here compared to that reported in earlier reports; I think this depends on what the AllenTrack program includes in the queries (e.g., partially submitted manuscripts? editorials).

The impact of theme issues that engage authors is clear in the data. The current (Nov 2017) theme issue may also trigger additional follow-up studies because the theme points out needed research directions as outcomes of literature reviews and commentaries.



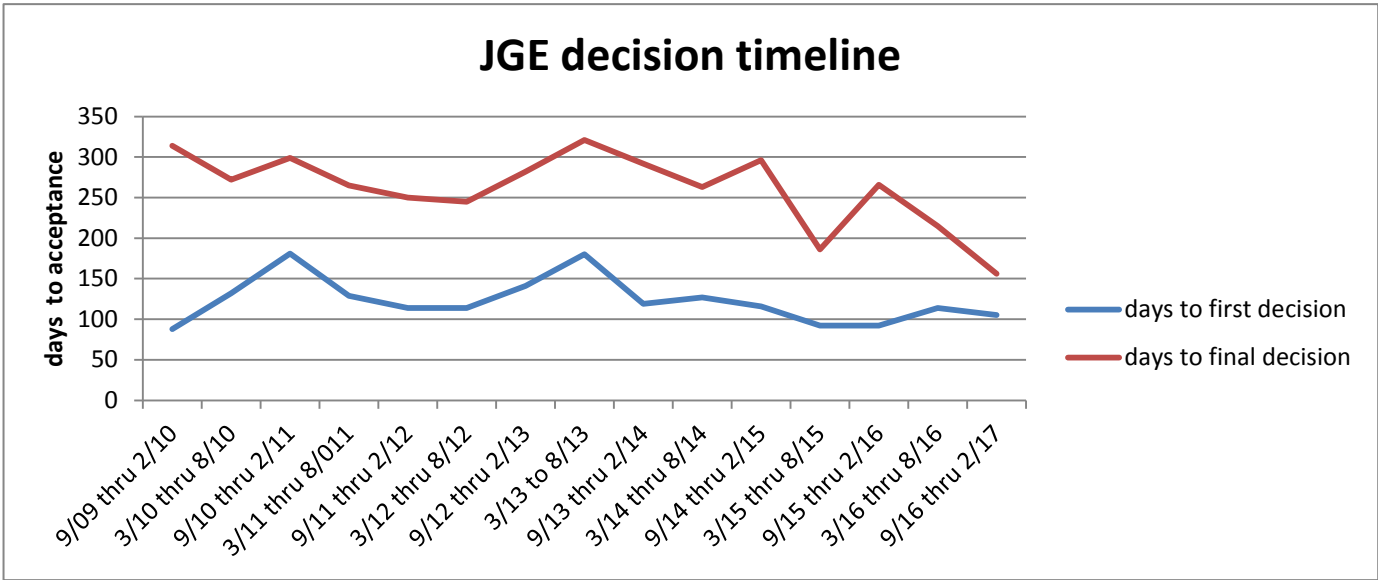
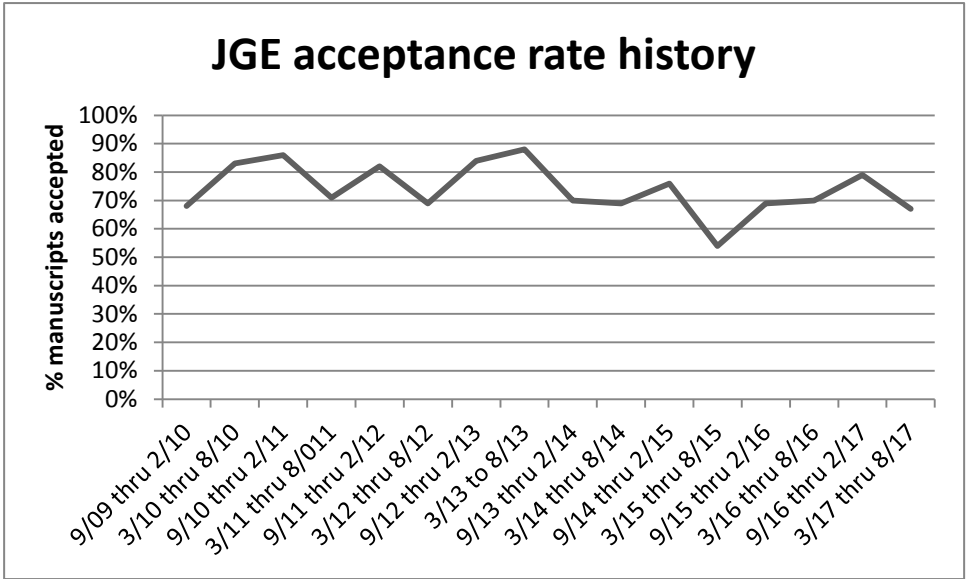
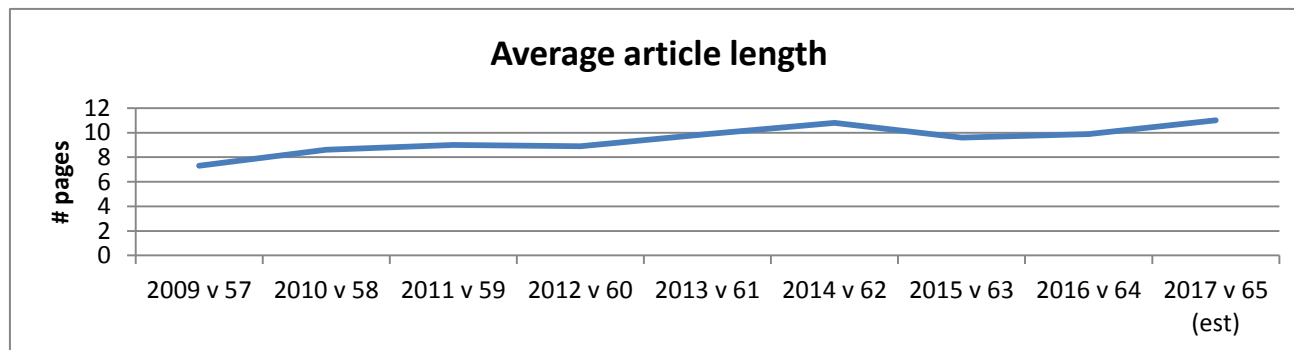
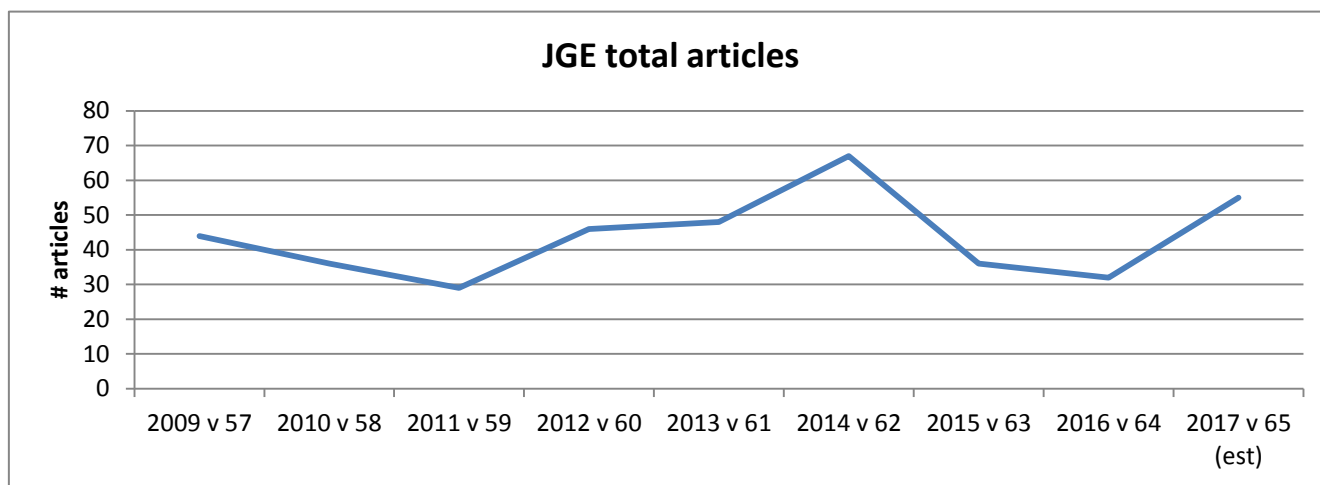
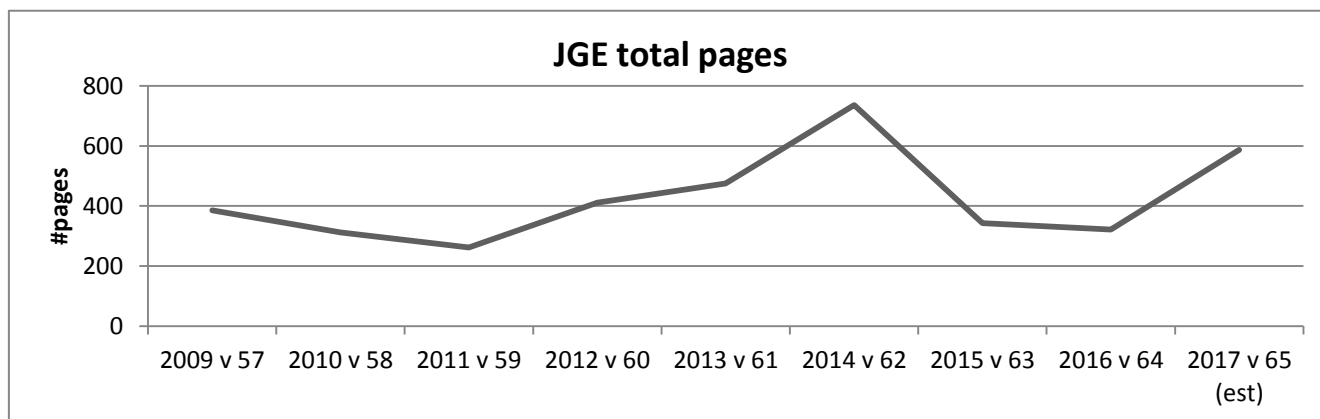


Table 2. JGE Summary of Pages and Articles 2009-2017

JGE Volumes	Total no. pages (Avg no. pages/issue)	Total no. Articles ¹ (Avg no. articles/issue)	Average article length
2009 v 57	385 (64.5)	44 (8.8)	7.3
2010 v 58	312 (62.4)	36 (7.2)	8.6
2011 v 59	262 (65.5)	29 (7.3)	9.0
2012 v 60	411 (102)	46 (11.5)	8.9
2013 v 61	475 (118.8)	48 (12)	9.9
2014 v 62	736 (183)	67 (17)	10.8
2015 v 63	343 (86)	37 (9)	9.6
2016 v 64	322 (79)	32 (8)	9.9
2017 v 65 (est ²)	587(146)	22	11

¹ Number of articles listed include commentaries, C&I papers, Research papers, Editorials and Calls for Papers

² Exact number of pages in the Nov 2017 issues is not confirmed. The number of articles is correct and I am assuming 11 pages as the average article length. It could be higher because of the number of literature reviews in the theme issue.



The number of pages and articles is expected to be higher for 2017 esp because of the number of literature reviews in the upcoming November issue.

3. Theme Issue Update

The current theme on Synthesizing Results and Defining Future Directions of Geoscience Education Research will come out in November. It will have 22 articles, most being literature reviews or commentaries. There are no new themes underway, however it would be valuable for the next Editor to quickly identify a theme and put out the call for papers to keep submission pressure high. It needs to be something that clearly has support in the community for it to work and involve a committed AE and perhaps guest AEs. The in-coming Editor may want to consider GSA and AGU session topic that have many presentations and is well attended. Guest AE do not always work out well and it is important to have a regular AE on the leadership team of any future theme issues.

4. JGE Outstanding Reviewer and Paper Awards

The 2017 Outstanding Reviewer is Kim Kastens (Lamont-Doherty Earth Observatory of Columbia University), and the author of the Outstanding Paper is Kathryn Stofer (University of Florida). Her paper is titled *When a Picture Isn't Worth 1000 Words: Learners Struggle to Find Meaning in Data Visualizations*. The committee was unanimous in their selection of each awardee.

5. JGE Editorial Board Meeting

We will hold the annual Editorial Board meeting on Monday October 23. We will invite the new Editor-in-Chief to attend and speak at this meeting about her vision and plans for the Journal.

**NAGT Year-End Report
Fall 2017
Margaret Crowder
Editor, *In The Trenches*
Report prepared September 22, 2017**

Goals from last Report:

- Updated style guidelines (holdover; currently GSA style)
- Greater proportion of online material for July and October to test the partial online platform
- Possible creation of a column dedicated to contributions about NAGT member activities

NAGT Executive Committee work:

- Meetings: 2/10/17 committee virtual meeting; 2/24/17 ITT focused discussion; 5/4-7/17 face-to-face meeting; 6/30/17 committee virtual meeting
- ITT editing duties –
 - Work completed
 - Quarterly issues published for remainder of 2016/start of 2017 (Cindy and Nancy); remainder of 2017 (Margaret and Nancy)
 - Margaret's first issue was April's "Promoting Geoscience Literacy and Advocacy"
 - Seven articles from ten authors; all invited by the editor to contribute on this topic
 - First issue with articles (three of the seven) continued online, with teasers in the print edition
 - There is always supplemental information online, and that continues, but this was portions of the actual articles for the issue in the online space exclusively
 - First issue with specific online discussion section for each article to continue the conversation and make connections between authors/readers, and find potential for future collaboration
 - July 2017 theme "Focusing on the Great American Eclipse: August 21, 2017"
 - Four print articles + two online articles on the eclipse; all invited authors
 - Eclipse glasses included as an insert for K-12 members
 - Erica & Cathy completed an NAGT member (representative of member types) survey on ITT
 - A selection of results:
 - Only 23.33% respondents read online supplemental information

- We hope to increase this number and have started tracking online traffic - John McDaris
 - Thinking about cost-saving measures, 57.95% of respondents said to move to solely online content
 - However, if they are not reading it....
 - Numerous comments from individuals who are more likely to read a print edition and think an all online edition would be overlooked
 - We are planning to reduce the print page number on July and October issues to increase the proportion of online to print material. This will give us an idea of cost savings and provide an opportunity to collect data on web traffic.
 - *Mid-year questions: (Is reduction in the number of color pages any type of significant cost savings?)*
 - *(What are other suggestions for cost reductions?)*
 - **UPDATED question: Are we still considering other cost-saving measures, such as changing the paper weight/type?**
- Work in progress
 - Themed issues planned for next two issues:
 - October – Critical Zone science (Don is guest-editing)
 - Currently, five CZ articles + one additional submitted article
 - Includes awards information/pictures
 - This issue is 16 pages (had already been budgeted, allows for full awards spread)
 - Layout is well underway.
 - January – Earthquakes and elastic deformation
 - *(Any suggestions on a guest editor for this themed issue? The articles/authors are pretty well in-hand; looking for someone with the specific expertise for this topic.)*
 - *(Continuing question: Are there other theme ideas?)*
 - A handful of articles have been submitted online/via email for consideration. Some are not feasible for various reasons; some authors do not respond to suggested edit prompts.
 - It seems there is a relative dearth of “volunteered” submissions to ITT
 - It is incredibly time consuming to recruit authors, even for themed issues.

- *(Continuing issue: How can we make ITT more accessible for good potential authors to submit?)* I believe many people don't realize that we have a more informal style that invites authors who might not traditionally be publishing with other outlets.
 - During times of "themed" issues, which seem to do well, we plan to include a section of general articles, when they are available.
 - An idea Cindy had from last year was creating a regular column with a rotating set of authors to share activities.
 - Perhaps one on "builds" – instructions for classroom activities that have simple construction projects for visuals and hands-on.
 - A regular column of contributors from the NAGT committees/liaisons/officers, etc. could report information on activities, activism, and NAGT member involvement in their own communities
 - *(Updated question: Can I get a rotating list of contributors from the committee to report on these various topics?)*
- Opportunities & concerns
 - We have an opportunity to build the relationships/connections between members in the online space of ITT. This platform could provide a springboard for collaborative efforts in educational research activities and lead to future publication in JGE, but we have to find ways to promote it and engage the audience.
 - *(Continued concern: If the online extension does not get views, then do we decrease the effectiveness of ITT?)*
 - *(Continuing concern, should we transition away from a print ITT: Should ITT move to a solely online platform, then do we lose a vital physical connection to the membership base (announcements, etc.) that ITT currently provides?)* This is the only hands-on material members currently receive from NAGT (I believe) and is an important visual/handout/membership recruitment tool for the NAGT booth at national meetings.
 - It has been suggested that "sponsors" might be invited to help with budget concerns pertaining to ITT's publication. This would be like advertisers, but only those of NAGT's choosing.
 - *(Updated question: What is the status of incorporating "sponsors/advertisers" for NAGT materials?)*
 - *(Continuing question: Could we have some material online available to non-members, to try and draw in an outside audience?)* Some articles could be behind the member wall, but others could be "free." This would allow us to use social media/other outlets to promote ITT materials to a broader population and perhaps draw members.

Goals for next reporting period:

- Continuing goals
 - Updated style guidelines
 - Continued holdover; should we continue to think about changing these?
 - Possible creation of a column dedicated to contributions about NAGT member activities
- New goals
 - Full transition to 12 page publication (instead of 16)
 - More themed issues?
 - Increased participation in online discussion areas. How do we better get readers to make the “leap” to the online space?

NAGT Website and News Report

September 2017

John McDaris

In the period between September 2016 and September 2017, the NAGT website continued to add new content through collaborations with AGI and sponsored projects, in addition to news and advertisements. Overall site use increase over this period compared to the same period the previous year. The site received 22% more visits from 20% more users.

Accomplishments since May 2017

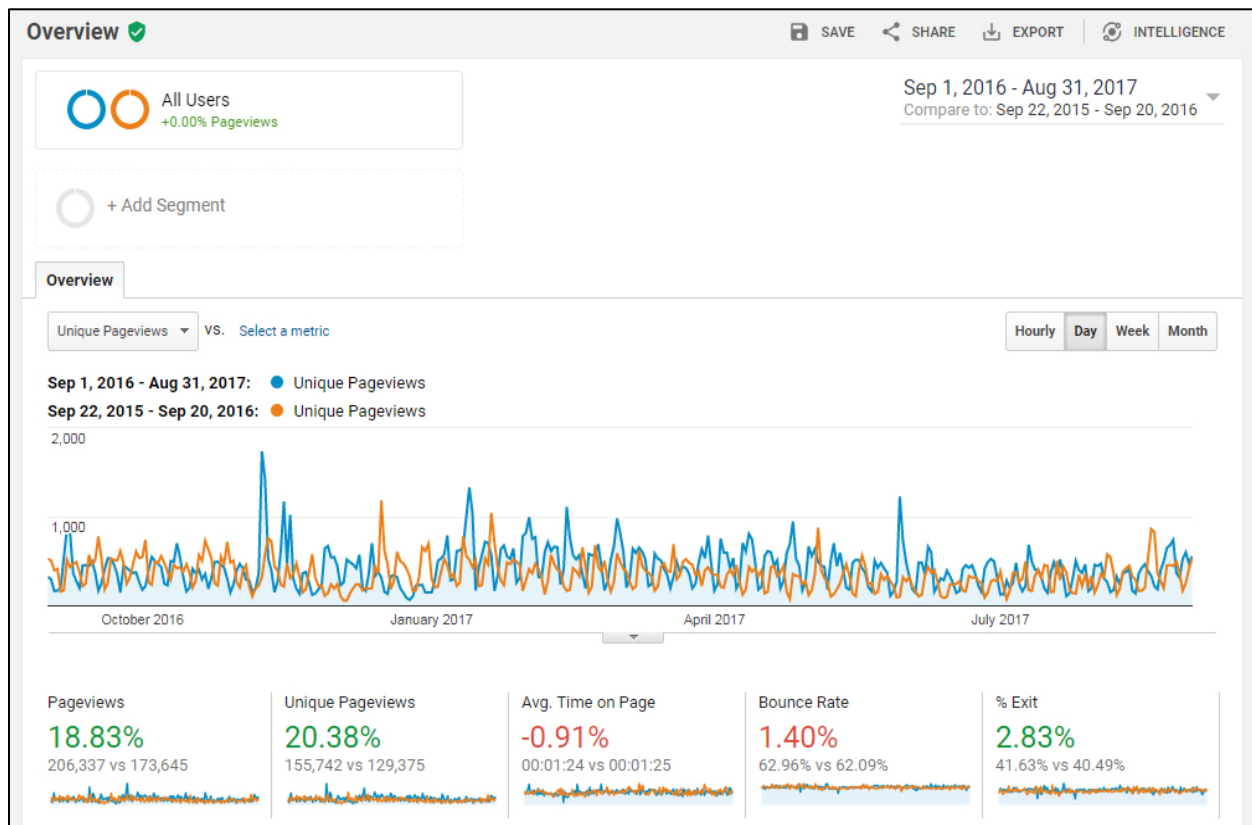
- Online versions *In the Trenches* for July posted to the website including access to full articles for current members.
- NAGTNews emails for May, June, July, August, and September 2017.
- 7 Community Advertisements posted to the website and news streams.

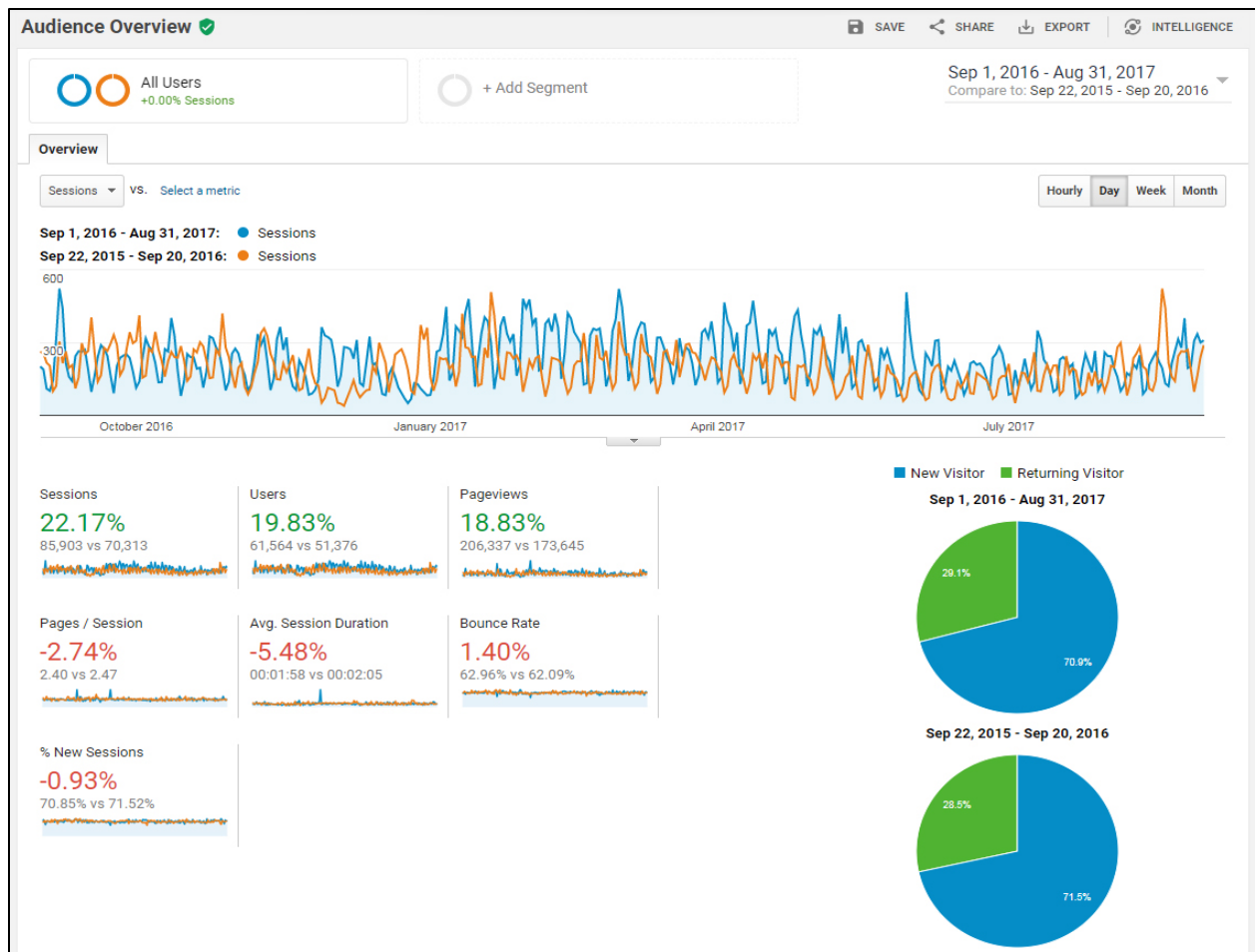
New Website Content

Implementing the NGSS

http://nagt.org/nagt/profdev/workshops/ngss_summit/index.html

The NAGT collaboration with AGI on the NGSS webinar series has added the materials from seven new webinars to the website.





Website Use

Between September 1, 2016 and August 31, 2017, the NAGT website received 85,903 visits from 61,564 users of whom 29% were repeat visitors. This represents a 22% decrease in traffic over the previous year. Unique pageviews for this period were 155,742 versus 129,375 for the previous period, representing a 20% increase. The most popular parts of the website for this period (as a percentage of unique page views) were Teaching Resources (38%), Professional Development (22%), and About NAGT (8%).

For comparison, the same period the previous year saw 70,313 visits from 51,376 users of whom 29% were repeat visitors. The most popular parts of the website during that period were Teaching Resources (26%), Professional Development (16%), and JGE (13%).

Section and Division Website Usage (for those hosted at SERC)

Traffic to Section Websites hosted by SERC, overall, increased year-on-year. Central Section continues to be the section receiving the most traffic with nearly 750 unique pageviews (an increase of 1%). North Central dropped from 165 to 132 unique pageviews, a decrease of 27%. New England grew from 98 to 149 (+52% change). Southwest section shrank from 112 down to 86 (down 23%).

Traffic to Division Websites increased overall by 4% year on year. The GER Division saw a 16% increase from 1,257 to 1,464 (+16%). The Geo2YC Division dropped from 1,340 to 1,157 unique pageviews (-14%). The TED Division increased by 28% from 467 to 598.

The NAGT director's office manages the daily operations and programming of the National Association of Geoscience Teachers. The operations include; membership database management, subscription database management, publication mailing lists, membership and subscriber renewal, member retention and new member recruitment, email list management, website management, finances and budgets, support for NAGT executive committee and council, the monthly news email, social media presence, and customer service. The programming includes; the Earth Educators' Rendezvous, the NAGT awards programs, the traveling workshop program and NAGT's presence at GSA and AGU.

In addition to these tasks, this year the executive director's office played a role in the following:

NAGT Management

- Successful transition and addition of key Executive office staff
- Welcomed new editor for *In the Trenches*
- Supported the *Journal of Geoscience Education* editor search and selection
- Worked with Clifton Larson Allen to fix the national organization's EIN and tax returns
- Prepared the timeline for the NAGT publishing contract for JGE
- Supported the JGE publication RFP process

NAGT Membership

- Instituted membership dues increase
- Coordinated end-of-fiscal year membership push that put us over 1600 for the first time in 10 years
- Increased NAGT's presence on social media on Facebook and Twitter

NAGT Programming

- Expanded the Traveling Workshop Program to include six new workshop themes
- Continued participant growth of the Earth Educators' Rendezvous
- Connected with InTeGrate webinar series for cross-project opportunities
- Launched *Serving our Communities* initiative and blog
- Continued support of NGSS efforts including EER tagging camp and webinar series

NAGT Initiatives

- Initiated formation of the Teach the Earth Portal committee
- Supported the Advocacy Committee including joining the March for Science as a partner organization
- Formed Geo Society Education Collaborative (AGI, AGU, AMS, GSA, NAGT, NESTA)
- Fundraising drive including new initiatives for revenue streams
- Continued development of publishing portfolio

NAGT Annual Report
Fall 2017
John Taber
Councilor-at-Large, 2016-2019
Report prepared 9/25/17

Goals from last Report:

- Improve connection with Eastern Section leadership
- Successfully organize Fall GSA Education Section sessions

NAGT Executive Committee work:

- meetings attended
 - September 25, 2016 (F2F @ GSA)
 - November 29, 2016 (virtual)
 - January 24, 2017 (virtual)
 - May 5, 2017 (F2F @ Ellensburg)
- assigned task: NAGT representative on the GSA Joint Technical Program Committee
 - Reviewed and approved education sessions before abstract submission
 - 19 of 33 education sessions will be sponsored or co-sponsored by NAGT
 - All education sessions successfully populated with abstracts and organized as of 8/21/17

NAGT Council work:

- September 25, 2016 (F2F @ GSA)
- February 10, 2017 (virtual)
- June 8, 2017 (virtual)

NAGT Committee work:

- Neil Miner Award selection committee
 - Initial rankings provided
 - Recommended nominee to be chosen 4/28/17

Liaison activity: Eastern Section

- officers, terms of office and contact information
 - **President:** Mike Baer, (W) 412- 896-2300 ext 7787; <mwbaer@yahoo.com>
 - **Vice-President:** Dave Ludwikoski, (W) 443-840-4216
 - **Treasurer:** Renee Aubry, <raubry@otunet.com>
 - **Editor:** Callan Bentley, (W)703-323-3276; <cbentley@nvcc.edu>
 - **Archivist:** Steve Lindberg; 814-539-7723(H); <minerlight@atlanticbb.net>

- **Past President:** Randy Newcomer, 717- 823-0579 (C); <randy@randysbooks.com>
- **Secretary:** Rosemarie Sanders, 914-721-0948; <Rose.Sanders@me.com>
- financial information
 - Section officers provided information as requested by the Executive Office
- meetings
 - Annual Eastern Section meeting and field trips held in Catonsville, MD, June 8-11, 2017 (I didn't attend)
- significant accomplishments of division/section
 - Newsletters:
 - Volume 66, Issue 4, Fall 2016
 - Volume 67, Issue 1, Winter 2017
 - Volume 67, Issue 2, Spring 2017
 - Volume 67, Issue 3, Summer 2017
- opportunities

Conference/meeting participation:

- GSA Annual Meeting, Denver, Sept 2016
 - NAGT & GSA Geosci Ed Div Awards luncheon
 - Geoscience Educators reception
- AGU Annual Meeting, San Francisco, Dec 2016
 - Assisted in NAGT booth
 - Co-presenter at GIFT workshop
 - Author or co-author on 3 presentations
- NSTA, March, 2017, Los Angeles, IRIS booth and two 1-hour sessions
- CARIUSA meeting in Kingston, Jamaica, 3/13-3/15/17, capacity building for geoscience education and research
- NSF INCLUDES communication workshop, Washington, DC, 4/12-4/14/17
- InTeGrate virtual quarterly leadership meetings
- EarthScope Education and Outreach Steering Committee, 5/15/17
- Earth Educators' Rendezvous, 7/17-7/21/17

Other activities relevant to NAGT:

- Participated in DC March for Science, 4/22/17
- INCLUDES pilot project: EarthConnections – Helped conduct the initial community meeting to determine the geoscience education interests and concerns of the Native American tribes and educational groups in Oklahoma, 3/24/17
- EarthScope Education and Outreach Steering Committee, 5/15/17
- NCAR E&O Advisory Board meeting, 9/15/17

Upcoming Activities

- 2017 GSA Annual Meeting, October 22-25, Seattle, WA

- Co-author on 3 papers

Goals for next reporting period:

- Improve connection with Eastern Section leadership

NAGT Annual Report 2017
Jennifer M Wenner
Councilor-at-Large, 2016-2019
Report prepared: September 26, 2017

NAGT Executive Committee work:

- meetings attended
 - September 25, 2016 (F2F @ GSA)
 - November 29, 2016 (virtual)
 - January 24, 2017 (virtual)
 - May 4-7, 2017 (F2F in Ellensburg, WA)
- opportunities & concerns: None

NAGT Council work:

- meetings attended
 - September 25, 2016 (F2F @ GSA)
 - June 8, 2017 (virtual)
- opportunities & concerns: None

NAGT Committee work:

- Teach the Earth Website committee (current Chair)
 - meetings attended: January 31, 2017 (virtual)
 - Meetings convened (and attended): June 26, 2017 (virtual)
July 10, 2017 (virtual)
October 3, 2017 (virtual)
 - work completed: Reviewed the current site and developed a charge for the committee. Developed a Task list for the committee to work on and committee members signed up for tasks
 - Drafted policy on pop-ups on TTE portal
 - Discussed site review policies
 - Discussed a policy for linking to resources outside SERC
 - work in progress: Development of policy for resources outside SERC to be linked from TTE – including appropriateness, discovery, design, etc.
 - Develop policy for individuals editing/creating resources in TTE
 - Work on integrating professional societies into work with TTE and NAGT
 - opportunities & concerns:
 - In May, I stepped up to be Chair of this committee. We did some good work in the summer but bumped up against EER and the August closure of SERC. We are just ramping back up this fall but we have some work to do.

Liaison activity: USGS/NAGT Internship Program

- meetings attended
 - September 25, 2016 (@ GSA)
- Information from the meeting
 - Over 50 Internships were awarded to field camp participants in 2016
 - There was discussion of having a workshop or session at GSA 2017 that gave folks an opportunity to discuss the trials and tribulations of teaching the field. I don't know if anything came of that.
- opportunities & concerns
 - Penny Norton will be retiring soon (from UMD) and we should be thinking about an appropriate replacement (someone who runs or has run a field school)
 - There was a flurry of e-mails in early March 2017 about the inclusion of geophysical "field camps" in the Internship program – Penny was disinclined to include REU's like SAGE and Keck as formal 'field camp'
 - I would like to step down as liaison so that I can focus on the TTE committee and CUR liaison.

Liaison activity: CUR

- meetings attended
 - September 25, 2016 (@ GSA)
- significant accomplishments of division/section
 - Undergraduate Research Mentor Award:
 - Wendy Bohrson, Central Washington University, GSA 2016
 - Organized and sponsored Undergraduate Research Poster Sessions for GSA Sectional meetings
 - Joint Northeastern/North-Central Section (2 sessions)
 - Southeastern Section (2 sessions)
 - South-Central Section
 - Cordilleran Section (*upcoming*)
- opportunities & concerns: None

Liaison activity: Central Section

- officers, terms of office and contact information
 - President: Renee Sparks
 - 1st Vice President: Beth Johnson
 - 2nd Vice President: Alexa Sedlacek
 - Past President/Secretary: Jeffrey Strasser
 - Treasurer: Michael Wolf
 - OEST Chair: Susan Wolf
- financial information
 - Section Financial information not discussed
 - Financial report submitted to Amy on 3/6/2017
- meetings attended/held
 - none
- significant accomplishments of division/section

- None reported
- opportunities & concerns: None

Conference/meeting participation:

- GSA 2016 Annual Meeting
 - September 24-28, 2016
 - activities relevant to NAGT
 - Educators reception
 - assisted at NAGT booth
 - NAGT/GeoED/GeoCUR reception
- GSA 2017 Cordilleran Meeting
 - May 23-25, 2017

Other activities relevant to NAGT:

- Collaborator on submission of proposal to NSF-ADVANCE program (Erika Marin-Spiotta, U-Wisconsin, PI)
- Participated in the March for Science in Oshkosh, WI, with friends and several colleagues from my university.
- Incorporating InTeGrate materials in almost every class in my Spring 2017 introductory geoscience (Physical Geology) course. Working on developing this course into a science course that fits into our new general education program at UWO.
- Working with a colleague in Chemistry to understand the impact that our new general education program has on STEM majors

Upcoming Activities

- 2017 GSA Annual Meeting, October 22-25, Seattle, WA

Goals for next reporting period:

- move forward on policies for TTE website
- continue to chair TTE website committee and move it forward

NAGT Year-End Report
Fall 2017
Karen Viskupic
Councilor-at-Large, 2014-2017
Report prepared: September 25, 2017

Goals from last Report:

- Connect with leaders for the NAGT Northeast section
- Explore possibility of developing program-level assessments for undergraduate geoscience degree programs
- Continue planning the 2017 Earth Educators' Rendezvous

NAGT Executive Committee work:

- meetings attended
 - ExComm meeting at GSA in Denver, CO, September 25, 2015. Attended virtually.
 - Virtual ExComm meeting, November 29, 2016
 - Virtual ExComm meeting, January 24, 2017
 - ExComm meeting in Ellensburg, WA, May 5-6, 2017
 - Virtual ExComm meeting, June 6, 2016
 - Virtual ExComm meeting, June 30, 2017
- assigned tasks
 - Co-chair for 2017 Earth Educators' Rendezvous
 - Work with presidential line to explore possibility of partnership with MacMillan to develop text book assessments

NAGT Council work:

- meetings attended
 - Council meeting at GSA in GSA in Denver, CO, September 25, 2015. Attended virtually.
 - Virtual council meeting, February 10, 2017
 - Virtual council meeting, June 8, 2017

NAGT Committee work:

- Professional Development Planning Committee
 - Virtual meetings attended: 1/10/17, 5/5/17
 - Work completed:
 - The committee discussed the 2017-2018 workshop program including workshops associated with GSA, AGU, EER, as well as the Early Career program and webinars associated with SAGE and InTeGrate
 - We also discussed the role of the committee, membership, and management
 - Opportunities and concerns: We have no meetings scheduled at this point.
- 2017 Earth Educators' Rendezvous (EER) Meeting Co-Chair
 - Virtual meetings attended:

- Weekly phone calls from August, 2016 through July, 2017
 - Work completed:
 - I worked with co-chair Hannah Scherer, contributed program chair Rachel Teasdale, SERC staff including Krista Herbstrith and Monica Bruckner, and a Rendezvous planning committee to set the format/schedule of the 2017 EER, define workshop topics, invite and secure workshop leaders, invite and secure plenary speakers, advertise the EER to relevant groups, review applications for travel stipends, and execute the program during the meeting. 349 people registered for the meeting.
 - I discussed ideas for the 2018 EER with co-chair Hannah Scherer who will be chairing the 2018 meeting. Overall I think the 2017 meeting was a success, but there are always things we can improve!
 - Worked with the NAGT workshop committee to define the membership of the 2018 EER Planning Committee.
 - Opportunities and concerns: None. The 2018 EER is in good hands!
- NAGT Travelling Workshops Program
 - Meetings attended:
 - Leader training at St. Olaf College in Northfield, MN, January 12-14, 2017
 - Work completed:
 - Helped develop programming for the Travelling Workshops Program around the topic of “supporting the whole student”
 - Opportunities and concerns: I have yet to participate in a travelling workshop!

Liaison activity:

- Northeast section
 - No meetings attended

Conference/meeting participation:

- Earth Educators’ Rendezvous, July 17-21, 2017 in Albuquerque, NM

Other activities relevant to NAGT:

- Member of the leadership team for the On the Cutting Edge Classroom Observation project
- Member of research team analyzing data from the 2016 and prior administrations of the National Geoscience Faculty Survey

Upcoming Activities

- 2017 GSA Annual Meeting, Seattle, WA, October 22-25

Goals for next reporting period:

- This is my last year as a Councilor-at-Large, but I will be transitioning into the role of 2nd Vice President.

- Work with Anne and others to develop a NAGT higher education teacher certification for geoscience graduate students
- Improve connection with the Pacific Northwest section. I am no longer the liaison to the Eastern Section.

NAGT Annual Report 2016-2017
Suzanne M. (Suki) Smaglik, Councilor-at-Large

My third and final year as Councilor-at-large began at the 2016 Annual GSA meeting in Denver, CO and is ending with the 2017 meeting in Seattle, WA. Since the mid-year report:

This year I am grateful to the Yakima Valley College S²TEM grant for support my meeting attendance, short course 506 – The Magma Chamber Simulator, and 417 The Hanford Site field trip (which has unfortunately been cancelled). I will be reflecting on my professional development experiences in session On the Cutting Edge.

I have responded to NAGT ExComm email requests for support, discussion or a vote on various issues of importance to the Council. For personal reasons, I was unable to process the nomination for the North Central OEST award and the one nominee has been deferred to next year. The North Central Section continues to seek leadership.

Other non-NAGT Geoscience Education activities in which I participated:

- Wyoming Dinosaur Education Board – new non-profit and museum expansion
- Continued as Team Coordinator of the Wind River Eclipse Education Team
 - Speaker series
 - Science Fiction Film Series
 - Eclipse Camp for Kids
 - High-Altitude Balloon Launch Coordinator
- Lander Valley Wetland Preserve Board – Grants & Agreements Specialist
 - Scientific advisor on wetland restoration chemistry and geology

On a personal note, I have accepted a full-time chemistry position at Yakima Valley College which began Sept 11, 2017. I am inserting Earth Science topics into my assigned chemistry courses and working closely with the department geoscientist.

sms: 9/17

**NAGT Annual Report
Fall 2017
Aisha R. Morris
Councilor-at-Large
Report prepared 09-25-17**

Goals from last Report: N/A

NAGT Executive Committee work:

- September 2016 ExComm face to face meeting at GSA
- November 2016 ExComm virtual meeting
- January 2017 ExComm virtual meeting
- May 2017 ExComm face to face meeting in Ellensburg, WA

NAGT Council work:

- January 2017 Council virtual meeting
- June 2017 Council virtual meeting

NAGT Committee work:

- N/A

Liaison activity: North Central Section

- Leadership:
 - President: [Suzanne "Suki" Smaglik](#), Central Wyoming College
 - Secretary/Treasurer: [Kata McCarville](#), Upper Iowa University
 - Past President: [Shelia Roberts](#), University of Montana - Western
 - Executive Committee Liaison: [Suzanne "Suki" Smaglik](#)
- No activities beyond reaching out to Section leadership regarding financial reporting
- No Section meetings during the time I have been involved

Conference/meeting participation:

- Fall AGU; December 2016; Volunteered at NAGT booth; attended educators reception and diversity reception; co-chaired undergraduate poster showcase
- Earth Educators' Rendezvous (facilitated roundtable discussion on mentoring undergraduates) – Albuquerque – July 2017
- National Association of Black Geoscientists (NABG) Technical Conference – Atlanta, GA – September 2017
- American Indian Science and Engineering Society (AISES) Conference – Denver, CO – September 2017

Upcoming Activities

- Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Annual Conference – Salt Lake City, UT – October 2017

- GSA Annual Meeting (chairing session on broadening participation in the geosciences; co-author on several papers; serving on GSA Careers luncheon panel) – Seattle – October 2017
- AGU Fall Meeting (convening undergraduate poster showcase session) – New Orleans – December 2017

Goals for next reporting period:

- Continuing goals – N/A
- Explore mechanisms to raise visibility of broadening participation efforts (Develop new initiatives? New partnerships?)
- Engage with professional development activities, particularly for early career professionals
- Build connections with North-central Section

NAGT Mid-Year Report
Fall 2017
Mike Phillips
Councilor-at-Large, 2015-2018
Report prepared: September 21, 2017

Goals from last Report:

- Make additional posts to NAGT blog
- Contribute to SERC/Teach The Earth web sites
- Develop and NAGT statement on the need for geoscience course work & faculty at the high school and college level. (This is vague for now, but I would like to develop something we can share that discusses the importance of and need for geoscience education in grades 9 to 14.)

NAGT Executive Committee work:

- meetings attended
 - August 11, 2016 (virtual)
 - September 25, 2016 (F2F @ GSA)
 - November 29, 2016 (virtual)
 - January 24, 2017 (virtual)
 - May 5, 2017 (F2F @ Ellensburg)
 - June 30, 2017
- assigned tasks (other than that reported in other sections below)
 - Chair Advocacy Committee – assigned tasks listed under Advocacy
- opportunities & concerns: None

NAGT Council work:

- meetings attended
 - August 5, 2016 (virtual)
 - September 25, 2016 (F2F @ GSA)
 - February 10, 2017
 - June 8, 2017
- opportunities & concerns: None

NAGT Committee work:

- Advocacy Committee
 - meetings attended:
 - March 9, 2017 (virtual)
 - June 8, 2017 (virtual)
 - work completed:
 - Advocacy principles document.
 - Letter on educational value of National Monuments and in support of retaining National Monuments as designated
 - Recruited new members
 - work in progress:
 - develop strategic plan

- update web site
 - develop process to review and update existing position statements and identify, develop new position statements, endorse position statements of other organizations
 - develop a process for identifying issues and writing letters as needed
 - prepare letter commenting on proposed New Mexico Science Standards
- opportunities & concerns:
 - Advocacy Committee needs to develop guidance documents for preparing advocacy letters and position papers
 - Need a list of committee members & other participants
- In The Trenches Editor Selection Committee
 - meetings attended: August 24, 2016 (virtual); September 26, 2016 (F2F/phone interview)
 - work completed: reviewed candidate submission, interviewed candidate, checked references, made recommendation to Executive Committee, selected new editor
 - opportunities & concerns: Only two applications were received, one of which was received after the first candidate had been interviewed. We need to consider how to get more applicants the next time the position opens.

Liaison activity: 2YC Division

- officers, terms of office and contact information
 - President: Brett Dooley, 2016-2017, bdooley@msjc.edu
 - Vice President: Callan Bentley, 2016-2017, cbentley@nvcc.edu
 - Sec/Treas: Wendi Williams, 2015-2019, wwilliams@nwacc.edu
 - Newsletter Editor: Thomas Whittaker, 2014-2017, twhittak@unm.edu
 - Webmaster: Chris Johnson, 2015-2019, christopher.johnson@slcc.edu
 - Archivist: Amber Kumpf, 2014-2017, amber.kumpf@muskegoncc.edu
 - Past President: Kaatje Kraft, kkraft@whatcom.ctc.edu
- financial information
 - Current balance is slightly less than \$5500
- meetings held (and attended)
 - September 2, 2016 (virtual)
 - September 25, 2016 (F2F @ GSA)
 - November 21, 2016 (virtual)
 - February 20, 2017 (virtual) – did not participate (on the road)
 - May 22, 2017 (virtual)
 - August 2, 2017 (virtual)
- significant accomplishments of division/section
 - Preparing a Position Paper on Field Studies
 - Outstanding Adjunct Faculty Awards:
 - Jessica Moore, SUNY Ulster, 2016 Annual Award

- Sherry Oaks, Front Range CC, Winter 2017
 - Dottie Stout Fund Awards (2015)
 - Shannon Shurko, Pine Forest High School, Fayetteville, NC
 - Merralee Lightle, Bridge Academy West, Detroit, MI
 - Argy Leyton, Montclair High School, Montclair, CA
 - Yellow mechanical pencil/scale continues to be very popular!
 - The newsletter, “Foundations,” is very robust including the articles “Course-Based Undergraduate Research Experiences (CUREs): A Community College Perspective” by Chris Johnson (Salt Lake Community College) and “Supporting Scholars at Two-Year Schools: Wisconsin Space Grant Consortium and the Great Scholarship Experiment” by Beth A. Johnson (University of Wisconsin-Fox Valley)
- opportunities & concerns
 - The Outstanding Adjunct Faculty Award has been reduced from four to three per year due to a lack of nominations and financial considerations

Conference/meeting participation:

- GSA 2016 Annual Meeting
 - September 24-28, 2016
 - activities relevant to NAGT
 - Educators reception
 - InTeGrAte reception
 - SIUC & YBRA receptions
 - assisted at NAGT booth
 - Field trip participant
- SAGE 2YC Workshop
 - November 11, 2016 and April 7, 2017
 - activities relevant to NAGT
 - Supporting student success through active learning & metacognition
 - Participants were 2YC geoscience faculty from around the state

Other activities relevant to NAGT:

- Illinois Board of Higher Education – Faculty Advisory Council
 - The FAC is an advisory group to the Illinois Board of Higher Education (IBHE), is a representative group of faculty in the State of Illinois. It has 36 members; 12 each from public universities, public community colleges, and private proprietary institutions. I have been appointed to a three year term as a representative of public community colleges. The FAC meets monthly to discuss issues such as funding, trends in textbook publication, and addressing the needs of students. The acts as an advocate for higher education in general and faculty in particular.
- Illinois Federation of Teachers – Higher Education Constituency Council
 - An organized labor group that discusses issues effecting higher education in Illinois and organizes faculty and staff to address those issues.
- Interaction with local media

- Cemetery headstone tour and discussion with local restoration group and local newspaper reporter
- Interview to discuss the potential environmental impacts of a new railroad with the local NPR station.
- Interview with local news reporter discussing flooding.
- Interview with local newspaper reporter regarding the eclipse.
- Wrote article for my college's student newspaper describing the total eclipse including photos.
- Integrate webinars
 - August 31, 2016: Teaching About Natural Hazards & Risk
 - November 28, 2016: Addressing Energy Sources and their Impact on the Environment
 - April 7, 2017: Map Your Hazards
- Blackhawk College Board of Trustees: I addressed the Board regarding their plans to layoff the college's only geoscience faculty member thereby eliminating all geoscience courses at this community college. Unfortunately, the Board subsequently laid off the geoscience faculty member.
- Participated in the March for Science in Chicago with my children and several colleagues from my college. There were several university geoscience display tables set up in the exhibition area at the end of the March. The March was very well attended and received very positive press coverage.
- Posted to the new "Serving Our Communities" blog on the NAGT web site.
- Outreach at IVCC
 - Presented "You Be The Geologist" at Career Day
 - Hosted activities at SciFest with the assistance of students: fossil identification, mineral identification, stream table, and augmented reality sandbox

Upcoming Activities

- 2017 GSA Annual Meeting, October 22-25, Seattle, WA
 - presenter or co-author on 3 oral papers

Goals for next reporting period:

- Lead Advocacy Committee
 - hold quarterly meetings
 - develop a strategic goals and plan
 - develop formal processes to support strategic goals

Central Section, NAGT Report (Sept. 2017)

Beth A. Johnson, Central Section president

University of Wisconsin-Fox Valley, 1478 Midway Rd., Menasha, WI 54952

beth.a.johnson@uwc.edu

Section Officers (2017-2018)

President

Beth A. Johnson

Department of Geography and Geology

University of Wisconsin-Fox Valley

1478 Midway Road

Menasha, WI 54952

Beth.a.johnson@uwc.edu

Secretary

Jeffrey Strasser

Department of Geology

Augustana College

639 38th St.

Rock Island, IL 61201

JeffreyStrasser@augustana.edu

1st Vice President

Alexa Sedlacek

Department of Earth and Environmental Sciences

121 Latham Hall

University of Northern Iowa

Cedar Falls, IA 50614

alexa.sedlacek@uni.edu

OEST Award Chair

Susan Kornreich-Wolf

Fryxell Geology Museum

Augustana College

639 38th St.

Rock Island, IL 61201

susanwolf@augustana.edu

2nd Vice President

Kelsey M. Arkle

Department of Geology

Augustana College

639 38th St.

Rock Island, IL 61201

kelseyarkle@augustana.edu

Past President

C. Renee Sparks

Department of Geology, Geography,
and Environmental Studies

Calvin College

3201 Burton SE

Grand Rapids, MI 49546

crs38@calvin.edu

Treasurer

Michael Wolf

Department of Geology

Augustana College

639 38th St.

Rock Island, IL 61201

michaelwolf@augustana.edu

Activities in the Section (2017)

- 1) The Central Section officers met during the NE/NC Geological Society of America meeting in March 2017. At this meeting, the following actions were taken:
 - a. Officers: President – Beth Johnson (UW-Fox Valley), 1st VP – Alexa Sedlacek (University of Northern Iowa), Secretary – Jeff Strasser (Augustana College, Treasurer – Mike Wolf (Augustana College), NAGT OEST Chair – Susan Kornreich-Wolf (Augustana College). We are still seeking a candidate for the 2nd VP position. Please contact Beth Johnson for nominations or self-nominations.
 - b. Officers voted to approve a \$500 travel stipend to help defray travel expenses for the section president to attend GSA meetings to participate in NAGT business
 - c. Officers voted to approve \$1,000 donation from the section to offset transportation and publication expenses for participants in the upcoming Tri-State Geological Field Conference (see below). The Central section's name and contribution will be included in the guidebook in gratitude.

- 2) Central NAGT co-sponsored a theme session at NE/NC Geological Society of America meeting in Pittsburgh, PA in March 2017. The session was "There's an App for That: Using Technology Developments, Innovations, Resources, and Applications to Enhance Undergraduate Geoscience Education." The session cosponsors included GSA Geoscience Education Division and GSA Geophysics Division. The session was co-chaired by Joe Reese and Renee Sparks.

- 3) In a carryover of duties as VP for the section, Beth Johnson continued to work on field trip opportunities for members of the Central NAGT section.
 - a. Isle Royale National Park – this week-long field trip, being organized and run by Bill Rose and Erika Vye of Michigan Technological University at the request of Beth, was held June 19-25. The trip consisted of studying the Mid-Continent Rift basalt flows and Lake Superior Syncline as exposed in Isle Royale National Park. The trip was a combination of NAGT members and members of the Minnesota Geological Society.

 - b. Tri-State Geological Field Conference – this field conference will be held at the University of Wisconsin-Fox Valley campus in Menasha, WI Oct. 6-8, 2017. This conference will focus on the geology of northeastern and central Wisconsin and will include Precambrian batholiths, glacial landforms, early Paleozoic sedimentary rocks, and a meteorite impact site. This trip is open to geology faculty, professional geologists, and college students majoring in geology and is co-sponsored by the Central NAGT Section and SEPM, with a donation provided by the former to help offset expenses.

- 4) Susan Kornreich-Wolf (Augustana College) organized the solicitation and selection of the 2017 NAGT Central Section Outstanding Earth Science Teacher Awards (OEST). A total of eight nominations were submitted, with seven of them new submissions and one candidate nominated the previous year and included for consideration this year. The following are the details for each winner as provided by Susan (Thanks for all the hard work, Susan!):

Details about each winner:

- a. The Central OEST committee chose 8th grade science teacher, Jill Weaver, (jill.weaver@valleyview.k12.oh.us) from Valley View Junior High, Farmersville, Ohio as the NAGT Central Section OEST 2017 winner. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Ms. Weaver's love to design and build inventive learning tools for the classroom and how she thrives on extensive, rigorous professional development experiences that she then implements with her students and shares with her fellow teachers. In addition, her detailed examples of her earth science lessons gave a clear picture of her passion for earth science teaching and her goal to educate all students to become scientifically literate citizens.
 - i. Awarded \$500 from the section

- b. The Central OEST committee chose Robert Shannon (robert.shannon@edgewoodhs.org), science teacher at Edgewood High School of the Sacred Heart, Madison, Wisconsin, as the NAGT Wisconsin OEST state winner for 2017. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Mr. Shannon's ability to create lessons that engage all learning styles, his hands-on investigation with extensive data collection and analysis, and his passion for earth science education.
 - i. Awarded \$100 from the section

- c. The Central OEST committee chose Denine Voegeli (dvoegeli@isd2899.k12.mn.us), science teacher at Plainview-Elgin-Millville Junior High School, Elgin, Minnesota as the NAGT Minnesota OEST state winner for 2017. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Ms. Voegeli's ability to implement creative, hands-on and effective learning strategies in the classroom, her ability to differentiate instruction to meet the needs of all students, and her passion for earth science teaching.
 - i. Awarded \$100 from the section

- d. The Central OEST committee chose Thomas Reed (thomas.reed@fayette.kyschools.us), 6th grade science teacher at Bryan Station

Middle School, Lexington, Kentucky as the NAGT Kentucky OEST state winner for 2017. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Mr. Reed's ability to research and implement new instructional strategies into lessons, his ability to differentiate instruction to meet the needs of all students, and his use of project-based learning.

i. Awarded \$100 from the section

e. The Central OEST committee chose Karly Lyons

(karly.lyons@rollinghills.k12.oh.us), Intervention Specialist at Meadowbrook Middle School, Byesville, Ohio as the NAGT Ohio OEST state winner for 2017. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Ms. Lyons' ability to implement creative, inventive, multi-sensory, and effective learning strategies in the classroom, her ability to differentiate instruction to meet the needs of all students, and her passion for earth science teaching.

i. Awarded \$100 from the section

f. The Central OEST committee chose Sherry Claflin

(Sherry.Claflin@muskegoncc.edu), science educator at Kropscott Farm Environmental Center and Annis Water Resources Institute, Muskegon, Michigan as the NAGT Michigan OEST state winner for 2017. The Central Section Committee of the National Association of Geoscience Teachers was particularly impressed with Ms. Claflin's ability to adapt her lessons by using individualized strategies and new materials, her ability to differentiate instruction to meet the needs of all students, and her collaboration with other schools to expand student opportunities.

i. Awarded \$100 from the section

5) A Central NAGT Theme Session has been proposed and accepted for the North-Central Geological Society of America meeting in Ames, IA in 2018. The session, sponsored by the division, is "Integrating Technology and Geoscience Education: Innovations in the Classroom and the Field."

Treasurer's Report

Treasurer Michael Wolf reported that the Central Section of NAGT continues to remain in good standing.

Incoming Funds for 2017:

- \$667.50 received from the NAGT national headquarters in June 2017

Expenditures for 2017:

- OEST Awards = \$1,000 total (One \$500 award and five \$100 awards)
- Tri-State Geological Field Conference = \$1,000 to support transportation and publication of the guidebook.

Current Funds in Account = \$6,333.30

**National Association of Geoscience Teachers
Eastern Section Report, 2017**

Eastern Section Officers

President: David J. Ludwikoski; 1020 Marksworth Road, Catonsville, MD 21228; (H) 410-282-3092, (W)443-840-4216; email <DLudwikoski@ccbcmd.edu>.

Vice-President: Jason Petula, Ph.D.: Assistant Professor of Education, Millersville University
51 Lyte Road, 221 Stayer Building, Millersville, PA 17551 (W) (717) 871-7345; email <
Jason.Petula@millersville.edu>.

Treasurer: Renee Aubry, 1179 Glen Rd., Shrub Oak, NY 10588; email <raubry@otunet.com>.

Editor: Callan Bentley, 343 Crater Ln., Fort Valley, VA 22652; email <cbentley@nvcc.edu>.

Archivist: Steve Lindberg, email <minerlight@atlanticbb.net>

Past President: Mike Baer, 136 Ridgeview Drive, Monroeville, PA 15146; (H) 724-989-4190;
(W) 412-896-2300 ext 7787; email <mwbaer@yahoo.com>

Secretary: Rosemarie Sanders, 914-721-0948; email <Rose.Sanders@me.com>.

NAGT 2YC Division Representative: Rich Gottfried;Dept. of Science, Frederick Community
College, 7932 Opossumtown Pike, Frederick, MD21702; 301-846-2581(W), 540-822-5561(H);
email <RGottfried@frederick.edu>.

Annual Section Meeting

The Annual Section Meeting was held June 8-11, 2017, in Catonsville Maryland. Hosted by Dave Ludwikoski, the event was attended by 35 members and spouses. Meeting events were held at the Community College of Baltimore County and the Holiday Inn Express in Catonsville.

Thursday we had registration and a welcoming reception at the college and then immediately transitioned in to a planetarium show on the upcoming Solar Eclipse. This was presented by Dave Ludwikoski, conference host and director of the college's Benjamin Banneker Planetarium.

On Friday morning we had several talks given by participants in the lecture halls at the college, including two poster presentations. Over a catered lunch, participants were given a preview of that afternoon's local field trip around the western Baltimore county area given by Martin Schmidt.

The afternoon was spent traveling in vans to several stops in and around Patapsco Valley State Park.

In the evening, back at the Hotel, participants had snacks and dessert during the traditional Geo-Auction. \$749.00 was raised from the active bidding on rocks, books, posters, and other items donated.

Saturday two full-day field trips were offered. The Blue Ridge Adventure led by Eastern Section member Martin Schmidt moved westward from Catonsville along I-70 and back roads, with

stops at Sugarloaf Mountain and Crystal Grottoes caverns, stopping also at Washington Monument State Park.

The other trip, led by Dave Ludwikoski, traveled south to the Calvert Marine Museum in Solomons, MD, where participants were treated to a tour of the museum's fossil collections from the famous Miocene age Calvert Cliffs, and were taken by Assistant Curator of Paleontology Donald Morgan to a nearby private site along Chesapeake Bay for opportunities to collect large *Pecten* shells, whale ribs and, of course, shark's teeth!

The evening awards banquet included a talk by Dr. Lucy Edwards, United States Geological Survey Research Geologist, entitled "Buried Surprises: A paleontologist tells tales of the Chesapeake Bay impact crater."

The annual meeting was concluded Sunday morning with the Section business meeting at a nearby restaurant where financial status was shared, contributions to the event were recognized, and Mike Baer, outgoing President, presented the Section gavel to incoming President Dave Ludwikoski.

Awards

EASTERN SECTION 2017 DIGMAN AWARD

Tony Kenneth Meunier

The Digman Award was established to recognize a non-teacher that brings Geoscience experiences and instruction to the general public. This year the Digman Award was presented to an individual whose efforts over the past 6 decades qualify him to not only be recognized for his contributions, but perhaps as a lifelong achievement award for continuous support for science education. Tony's first participation in NAGT meetings began in the late 1960's as a Geology and Geography student while at SUNY Buffalo and SUNY Geneseo, N.Y. In the 1970's, while a graduate student at SUNY Brockport, he studied under the tutelage of some legendary NAGT members including Dick Liebe, Bob Cassie, Ira Geer, Bob Adams, John Hubbard and Victor Schmidt. While at Brockport, Tony began a real association with NAGT on a regular basis. In May 1972 Tony began his professional career with the USGS, first as a Cartographer and then as a Physical Scientist retiring in 2010 to become a USGS Emeritus Senior Scientist. In the late 1970's and early 1980's while with the USGS Earth Science Application Office he ran a very successful Educational Outreach program coined Quantum Leap. Quantum Leap developed programs in coordination with the larger than life NAGT legend James O'Connor to stress Earth Science Education in elementary, middle and high school curriculum. A traveling exhibit was designed and funded through Tony's program that also included the wide distribution of free educational pamphlets at NAGT meeting throughout the country over many years. He also contributed to the design of several USGS educational Earth Science related pamphlets and materials designed for general public educational use. During this time period, Tony was the USGS representative to American Geological Institute (AGI) Educational Committee whose Executive Director, Bill Mathews, another huge supporter of NAGT, promoted the development of Earth Science Curriculum and other educational tools for use in the classroom. Tony authored a paper for NAGT's Journal of Geological Education on the Topographic Mapmaking process. He also co-authored a paper with Richard Gottfried titled Classroom Use of USGS Professional Paper 950: Nature To Be Commanded. This paper was presented at the NAGT session of the GSA meeting in 1983. Rarely missing NAGT/ES meeting in the 1990's to the present, Tony led and assisted in numerous NAGT field trips when the Eastern Section met in Northern Virginia. In addition to countless presentation on Polar Science, especially Antarctic, to elementary, secondary, college and civic organizations, Tony often participated in the USGS Science Camp (Ages 8-14) as a part of the Ask a Scientist Program during the two week long summer camp

activities focused on the earth sciences. During the USGS Open House weekends every 4 years during the 1990's into the last decade, Tony developed generalized polar science; on-site activities for participation by students and the lay public. As a Boy Scouts of America Leader, during this same period, Tony became a Merit Badge counselor in Geology, Chemistry, Orienteering, Bicycling, Citizenship in the Nation/World and most recently, the newly released (2017) Merit Badge Category on Exploration.

THE EASTERN SECTION CONGRATULATES OUR 2017 OUTSTANDING EARTH SCIENCE TEACHERS (OEST):

BRYAN SCHUERMAN, WEST VIRGINIA

Bryan Schuerman, M.Ed., 7th & 8th Grade Science Teacher at Lincoln Middle School in Shinnston, WV and Chief Meteorologist at WBOY-TV 12 News (Nexstar Media Group Station – Nasdaq: NXST) in Clarksburg, WV has been named the winner of the National Association of Geoscience Teachers (NAGT) Eastern Section Outstanding Earth Science Teacher Award for the State of West Virginia for 2017. Schuerman says it is an honor to receive this award, “Looking at all the past winners of this award, they have multiple years of experience. For someone to nominate me for this award in my first year of full-time teaching, means I am doing something right. I am honored and blessed that my co-workers think highly of my teaching to nominate me for this award.” Schuerman is a graduate of California University of Pennsylvania with a Master of Education (M.Ed.) Degree in Advanced Studies in Secondary Education and Teacher Leadership and a Bachelor of Science in Science & Technology: Meteorology and Music. Schuerman is originally from Lawrenceburg, Indiana (outside Cincinnati, Ohio) and is heading into his second year as a full time teacher, previously was a long term substitute teacher for three years. In his spare time, Schuerman likes to relax with friends and family as well as keeping an eye on what the weather is doing. While in the classroom, Schuerman goes through all various types of science teaching General Science, but like to focus on Earth Science and Meteorology being a Meteorologist.

REBECCA REMIS, NEW YORK

Becky has been a teacher for the past 23 years at Schalmont High School, a suburban public school district in upstate NY. She teaches mostly ninth grade Earth Science, but has taught Chemistry and Biology courses as well. Becky routinely and eagerly works with a high percentage of special needs students in her classroom and collaborates with teachers from other disciplines to design engaging classroom experiences for all students. Work with students outside of the classroom has put Becky in the role of NYS Science Honor Society Advisor, Riverwatch Club Advisor, and Science Olympiad chaperone. She has taken students on field trips to Howe's Cave and Quarry, panning for gold in Vermont, the American Museum of Natural History, the Museum of Innovation and Science in Schenectady, and as far away as Stonehenge and the Royal Observatory in England. Becky is also the Schalmont High School Science Department Coordinator, and serves on various district level committees to create sound policies and implement beneficial initiatives for all teachers and students at Schalmont. Being a National Board Certified teacher for the past 16 years has provided Becky with the opportunity to work at the college level as an adjunct at Clarkson University Capital Region Campus (formerly Union Graduate College). She has worked with preservice graduate students in the Master of Arts in Teaching program and STEM Graduate Teaching Assistants. Courses she has helped to design and teach include the History and Philosophy of Science and Science Methods for preservice STEM teachers, and a STEM Methods course in the Summer Institute for Graduate Teaching Assistants at Clarkson. Becky has been a cooperating teacher for several preservice teachers from Union Graduate College, the College of St. Rose, and the State University of NY at Albany, providing these future teachers with full access to her classroom,

her resources, and her instructional practices. While she freely shares her experience with new teachers, Becky is always open to learning from them and trying new approaches and techniques to enhance the learning experience for her high school science students. Other professional activities Becky has participated in include working in Albany on the Earth Science Regents Exam as an item writer and on Exam Review Committees. She has helped to facilitate the Earth Science Network for Capital Region teachers, and has led reviews of State Science Standards and field trips for local Earth Science teachers. Since she started her teaching career Becky has been a member of several professional organizations including Phi Delta Kappa, NSTA, NESTA, NYESTA, and STANYS. Her involvement in STANYS, the Science Teachers' Association of NY State, is what she has found to be the most professionally rewarding. Becky has been the Eastern Section Earth Science Subject-Area Representative, a Section Director, and is currently the Section Membership Chair. Her section presented her with the Service Award for her work as membership chair for going above and beyond the duties of the position. At the state level Becky served as the Chair of the Fellows New Teacher Award Committee and is currently a member of the 5-Year Plan Committee. She recently completed her second term as the STANYS Director-at-Large (DAL) for Earth Science. In her role as DAL she has helped to organize the Conference Planning meetings, held at her high school for the past three years. Becky has received the STANYS Appreciation Award for her work as Policy Committee Chair and was recently inducted as a STANYS Fellow for her long-time service and commitment to the organization.

LINDSAY LANCASTER, DELAWARE

Lindsay Lancaster's personal mission is to inspire students to be global citizens who appreciate a diversity of ecosystems and are dedicated to improving the Earth through environmental stewardship. Formerly, she taught third grade at Green Woods Charter School for three years and contributed to the development of an environmentally integrated curriculum. She is currently the Program Manager at Healthy Foods for Healthy Kids, working with multiple schools and grade levels to bring science based seed-to-table vegetable gardening programs to Delaware schools. Lindsay is especially passionate about connecting students in urban areas who have limited access to green spaces with plants, nature, and healthy food. Whether it's soil studies, composting, or plant lifecycles, her K-8 science lessons incorporate outdoor education and encourage students to make new discoveries through experiential learning and active participation. Lindsay views real-world environmental problems as a catalyst for student-driven learning. For example, a leak at a water spigot turned into a project on water conservation and the discovery of voles in a garden resulted in a habitat modification project. Lindsay serves on the Board of Directors for the Delaware Association for Environmental Education and is a member of the Delaware Children in Nature Coalition and the Delaware Urban Farm and Food Coalition.

REBECCA MUSSO, VIRGINIA

Rebecca Musso teaches at the T. Benton Gayle Middle School. Mrs. Musso is passionate about teaching and connecting to the students. She believes that all students can learn and deserve to have access to quality education. Students are at the center of Mrs. Musso's mind when developing lessons ensuring that the lessons are developmentally appropriate for the age group, academically challenging, and also engaging for the students. Mrs. Musso uses humor in the classroom to generate a positive classroom environment and students can frequently be heard laughing. Mrs. Musso knows that students don't care how much you know until they know how much you care. She connects with students on a personal level and that helps to strengthen the relationship between student and teacher, which provides for an enriching classroom experience. Mrs. Musso frequently has guest speakers from the local scientific community

come to share about their professions and to answer the students' questions in order to expose students to multiple scientific occupations. Mrs. Musso has partnered with the local Tri-County Soil and Water Conservation group and the local landfill (R-Board) to fulfill a grant given by the Virginia Department of Environmental Quality. The grant funded the cleaning of a stream on the school grounds over a period of several months where students collected trash, and weighed the trash. Students removed over 50 lbs. Of trash from the school's stream. Mrs. Musso is also participating in the Scientist in the Classroom program initiated by the National Center for Science Education.

KATHLEEN TAIT, PENNSYLVANIA

(Also the OEST Eastern Section Winner) Kathleen Tait teaches at the J.R. Masterman School, Philadelphia, PA. Kathleen has been teaching middle school for 20+ years. "I perceive myself as being a lifelong learner. To me every day raises an opportunity to learn about any aspect of life, which interests me. The important part of being a learner is being open to all of the possibilities that arise both formally and informally. Formally, I have taken several postgraduate courses both at the University of Pennsylvania and through the school district of Philadelphia's professional development... Informally, I learn through just the process of living. My students have been my greatest teacher. Every time, I teach a lesson, my students always share their thoughts, express their ideas, and I find myself sitting in awe of their perceptions and abilities. Learning can occur no matter what the age or location, as long as you are open to the experience....I always wanted to teach, since the time I was five years old. Teaching is not about imparting knowledge but about the journey we take to discover new ideas and to share that knowledge with others. Being a teacher allows me to teach the skills needed for the students to go out and learn through discovery or research. I like to provide the methods one can use to learn and as a result the students can apply those skills to learn more about the world than by just taking a course. I want them to be lifelong learners as I am." In addition to serving as a girl's tennis coach and Dean of 7th grade students at her school, Kathleen has been very active in the Pennsylvania Earth Science Teachers Association (PAESTA), a state-affiliate of NESTA. Kathleen was a founding member in 2011 and served as President in 2015-2016. She has served as chair of PAESTA's Nominations Committee, and she is currently serving on the Executive Committee and chair of the Award for Teaching Excellence Committee. Kathleen has presented at two NE GSA section meetings and published her curricular innovations in *The Earth Scientist*.

Plans

The 2018 Section Meeting is being organized by Jason Petula. The conference will be held June 7-10, 2018, in the Lancaster, PA area. Details will be forthcoming in a section newsletter.

Financial Section

June 2017 financial statement showed the following:
\$ 8,114.97 in the checking account. Savings has \$51.53. National has sent \$772.50 for memberships. Insurance bill of \$618 was paid. Annual donations from Janet Crampton for \$200 and from Bob Wendt for \$100 were received. Revenue from auction was \$749. Received \$1100 for guidebooks.

The annual financial report for the year ending July 31, 2017 is attached.

**National Association of Geoscience Teachers
Far Western Section
2016-17 Annual Report**

Submitted by Winnie Kortemeier

A. Section Officers.

Officers were installed at the spring field conference in April 2016 and are currently serving in their second year

- President: 2016-2017: Winifred Kortemeier, Geosciences, Western Nevada College, Carson City, NV, Winnie.kortemeier@wnc.edu
2015-2016: Paul Troop paul.troop@sbcglobal.net
- 1st Vice President: 2016-2017: Brigitte Dillet, Geosciences, Western Nevada College, Fallon, NV brigitte.dillet@wnc.edu
2015-2016 not filled
- 2nd Vice President/Newsletter Editors: 2016-2017 Richard Jones, Science Education, University of Hawaii, West Oahu, HI, rmjones7@hawaii.edu, and Mark Boryta, Earth Sciences and Astronomy, Mt. San Antonio College, Walnut, CA mboryta@mtsac.edu
2015-2016 not filled
- Secretary/Treasurer: 2016-2017: Gene Pearson, Geologic and Environmental Sciences, University of the Pacific, Stockton, CA epearson@pacific.edu
2015-2016: Greg Wheeler, Geology Emeritus, California State University,
Sacramento, Sacramento, CA, wheelergr@csus.edu
- Publications Coordinator: 2015-2016 and 2016-2017 Paul Troop, Geology, CSU Fresno, Fresno, CA paul.troop@sbcglobal.net

Past Presidents (Councilors):

- Paul Troop, CSU Fresno, CA paul.troop@sbcglobal.net
- Lynn Fielding, El Camino College, Torrance, CA lfielding@camino.edu
- Mark Boryta, Mt. San Antonio College, Walnut, CA mboryta@mtsac.edu
- Garry Hayes, Modesto Junior College Modesto, CA hayesg@yosemite.edu
- Brigitte Dillet, Western Nevada College, Fallon, NV brigitte.dillet@wnc.edu
- Greg Wheeler, Emeritus, California State University, Sacramento, Sacramento, CA, wheelergr@csus.edu

OEST and other Awards Coordinator

Craig Poole, Geology, Fresno City College, Fresno, CA
craig.poole@fresnocitycollege.edu

Executive Committee Liaison

Gene Pearson epearson@pacific.edu

B. Awards/Scholarships

1. Our 2017 OESTA winner is Dieuwertje Kast

From her nomination form: “Ms. Kast is involved in multiple community organizations that work with underrepresented minority (URM) students. In her work at USC Joint Educational Project (JEP), she coordinates supplemental science lessons for 2000 K-5 students in plethora of classrooms. In addition, Ms. Kast crafts science lessons for young female students in Project Scientist, with the goal of introducing the girls to careers in STEM. She also teaches college prep science to high school students through USC Neighborhood Academic Initiative (NAI). Finally, Ms. Kast works with the Center for Dark Energy Biosphere Investigations (C-DEBI) to organize and instruct high school students during the summer science program at USC Wrigley Institute of Environmental Studies on Catalina island. Yearly, she impacts 3000 students in STEM fields and in Earth Science concepts. As a testament to the outstanding quality of Ms. Kast's work, she was honored as one of Forbes' "30 under 30" in 2016 for her work in STEM education. In the same year, she was also recognized as one of the North American Association for Environmental Education's (NAAEE) 30 under 30 in Environmental Education. In addition to these awards, Ms. Kast is the Diversity committee chair at the National Marine Educators Association and an EdD candidate at the University of Southern California.”

- ### 2. Emma Denison received the NAGT Far Western Section transition scholarship.
- She attended Modesto Junior College for two years and transitioned to California State University – Stanislaus. At MJC, she was active in the Geology Club, helped with monthly Science night events, and was a top student in the Geology program.
- ### 3. Tyler Cole, a student at Humboldt State University received the Dottie Stout Field Camp Scholarship for \$750. He is a student at Humboldt State University and plans to major in Geological Engineering.

C. Field Conferences

NAGT-FWS Fall Field Conference was held in Weed, (Mt. Shasta) California, on October 16-18, 2016. It was sponsored by Bill Hirt at College of the Siskiyous and explored Mt. Shasta and vicinity. From the flyer:

California's Klamath-Cascade region records a 400-million year history of subduction. From accreted oceanic terranes in the eastern Klamath Mountains to young High Cascade volcanoes, the region's geology illustrates the wide range of processes that shape continental margin subduction zones. The conference program mirrors this diversity by including field trips and presentations that explore topics ranging from eruptive and non-eruptive hazards on Mount Shasta to the transition from a modern volcanic arc to ancient accreted terranes along the Klamath River.

There was a continental breakfast both Saturday and Sunday mornings, field trips on Saturday and Sunday, and speakers and dinners on both Friday and Saturday

evenings. We also held a section board meeting on Friday evening. There were between 25 and 30 attendees.

2. We are planning a field conference in Beatty, NV for Nov. 3-5: Geology and Mining Districts near Beatty Nevada. It is a conference that requires a four-wheel drive vehicle, so we anticipate a small turn-out. We are hoping for 10 individuals.

D. Board meetings. 2 board meetings were held in the past year: one was at the NAGT Fall 2016 conference in Weed, CA at College of the Siskiyous (minutes lost) and the other was held online as a zoom meeting, and was well attended. We were addressing particular items raised at the June national council meeting. Below are the minutes from the online meeting: Many interesting ideas here.

MINUTES

NAGT Online Officers Meeting June 10, 2017 10 am

Attending: Winnie Kortemeier (President), Brigitte Dillet (1st Vice President), Craig Poole (2nd Vice President), Gene Pearson (Treasurer), Paul Troop (Publications), and Gary Hayes.

1. Questions I raised at last National on-line meeting. What can we do as a section about these issues?
 - ✓ 2 or 3 sections are inactive, with no officers.
 - ✓ The following issues were brought forward in terms of the FWS section conferences: low attendance and lack of hosting institutions; conferences are a lot of work; professors no longer have incentives from their institutions to organize those conferences (lack of institutional support); graying of the section.
 - ✓ We discussed conference possibilities (see 2. Below).
 - ✓ Winnie will call Rick Lozinsky for a possible conference.
 - ✓ How do we support conference organizers?
 - ✓ Should we focus on 2-year colleges?
 - ✓ Should organizers try to reach out to education departments at colleges?
 - ✓ Could Mark talk to Terry at UNLV for a possible conference?
 - ✓ Geoscience instructor at Nevada State College Henderson? Winnie will talk to NSC.
- a. How well are field conferences/meetings attended in other sections? Is low attendance like we have experienced for several years (not including the Santa Barbara conference) a national trend?
Other section Presidents have reported meetings with 5 individuals present. One president said they had a well-attended conference/meeting with 20 people present.
- b. Our section appears to be seriously graying, with little interest from younger faculty/teachers, especially in the area of leadership. Any ideas on why? Is this happening on other sections?
There are at least 2 inactive sections
- c. Universities/colleges/departments don't seem as willing to support and host our field conferences as in the past. Bill Hirt got no support from the college, and had to sneak in at night to copy off the field guides. He couldn't use the school facilities either, so ended up hosting the conference off-site. I ended doing all of the publicity, registration, and handling of the money. Brandon Browne from Humboldt State said
"I ran the idea of hosting a NAGT meeting by our department. The response was a mix of stampeding to the door, hiding under the table, and evil stares back at me for suggesting the idea. Kidding of course, but there was a healthy dose of hesitation."
Do you think this is a new situation?

2. Field trip ideas from Paul. The following are notes Paul sent in this last week:
 - a. I have secured, with the Board's support a 4x4 tour of abandoned mines in the Beatty Nevada area. This the home of the well known Bullfrog mining district. This concept has been developed by a resident of Beatty and a geologist with the Death Valley NP. Initially I asked to join the trip but they suggested we develop our own with their considerable support. I plan to visit the area shortly after our meeting to work on the route. This would be an atypical meeting primarily because we have no meetings scheduled and I wanted to put something on the calendar. We will have the use of the local VFW hall with meals provided. There are also several small hotels in the area in addition to camping. A guide would be developed but would be for use by the participants and not for sale as the time factor is critical and the ability to put a typical guide book is not present. I would not expect a large turnout as it is limited to off road vehicles but on the other hand many of us have off road vehicles. So in designing the trip I can determine which sites to visit depending on the accessibility.
This would be a fall 17 conference. Possibly Friday and Saturday, November 3rd and 4th. We would have our regular meeting on Saturday night. We would have a speaker on Saturday evening. There would be no events on Sunday. Paul would organize but is asking for assistance with the field guide. Paul will ask Brendon Browne (Humboldt State) if he would be willing to assist. Paul is going there in a few weeks to check the road conditions. Paul will check cost and minimum with VFW as well as hotel/camping situation.
 - b. I have secured, with the Board's support a 2018 hydrogeology trip sponsored by the Death Valley NP. The staff are under considerable pressure to operate with less funding so their involvement time would be minimal. I have assure them we would do most of the work but we would really need support from the park in with fee's, camping, and access to sites. I am available to do footwork but I need a "teacher" to develop the guide book and help with bringing field trip leaders into the team. I have Brendon Browne from Humboldt and he says Jeff Knot in Fullerton is interested. I am also in talks with Fresno State.
This could be Fall 2018. Timing is still unclear.
 - c. I have reopened negotiations with CSU Northridge for a Ridge Basin meeting. I had set this up several years ago but it fell through the cracks. Kathleen Marsaglia, Department Chair, is interested but CSUN is sponsoring the Cordilleran meeting in 2020 so she asked if we could fold it into the Cordilleran meeting. I have no idea if this would work for several reasons, i.e. GSA rules and the willingness of our members to attend the Cordilleran meeting.
CSU Northridge is hosting the GSA/Cordilleran meeting in Spring 2020. Could we just run a field trip without having to register/pay for GSA. GSA people could attend our field trip but NAGT people could not attend GSA field trips unless they register for GSA. CSU Northridge is willing to provide field trip leaders but not to organize the conference. Paul will continue to talk to them.
3. Section Web site.

I am not capable of running the web site and making the necessary changes to it to keep it up to date. It requires some knowledge of coding, of which I have none. Ideas?

Winnie needs help with the website. Brigitte will help to update the website in regards to scholarship forms, deadlines, etc. Another possibility would be to go with the NAGT hosting, but we do need the website for the book sales.
4. Other Items Discussed
Paul is opening a Paypal account for NAGT in his name. We could handle the money for the conferences this way. Gene mentioned that every transaction has to be tracked. Paul and Gene will get together to discuss the details of publications sales.

Meeting adjourned at 11:15 a.m.

NAGT New England Annual Report

February 2018

Submitted by Tarin Weiss

Community Checking

Ending balance (as of 12/31/17): \$1051.51

Business Savings

Interest rate: 0.05%

Interest accrued: \$1.50

Ending balance (as of 12/31/17): \$3004.80

Total funds: \$4056.31

ANNUAL MEETING –

Leadership for 2017 - 18: (leadership terms are now 2 yrs.)

President, Tarin Weiss tweiss@westfield.ma.edu

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

Vice President 2 ---**OPEN**--- **Please contact Tarin Weiss.**

Secretary/ Newsletter, Richard Little RDLITTLE2000@aol.com

Treasurer: Julia Daly dalyj@maine.edu

Past President: Lori Weeden Lori_Weeden@uml.edu

The NAGT-New England Annual Meeting took place Saturday, December 2nd at the University of Massachusetts Lowell in the Olney Science Center, Room 212. The business meeting started at 10 am with 9 people in attendance.

Lori Weeden gave a report of her activities promoting geosciences education in Massachusetts. A summary of report is printed below. Tarin Weiss was installed as our new



President for the next two years. In the picture, Lori (right) hands the leadership baton (a drill core) to Tarin.

Our speaker, Dr. Daniel Obrist, presented a sobering look at the important and unexpected pathways of mercury pollution from Arctic environments. His latest research has been published in the July issue of Nature. Dr. Obrist is the new Department Chair of the Environmental, Earth and Atmospheric Sciences at the University of Massachusetts Lowell, and it was a very well presented program on an important topic.



After the presentation, Lori led a short field trip through the Nashoba and Merrimack Terrane, and discussed the industrial history along the Merrimack Valley in the Lowell area.

Picture: Tain & Lori standing at the Clinton-Newbury fault looking at the Tadmuck Brook Schist

MEETING NOTES

AS COMPILED BY TARIN WEISS (with minor editing by RDL)

Present: Lori Weeden (UMASS-Lowell, president), Bruce Piper (community member), Tally Foster (undergrad, Environmental Science), student (undergrad, Environmental Science), Liz Gordon (Fitchburg State), Kim Kastens (retired Lamont-Dougherty), Melissa Lombard (hydrologist at USGS, VP2), Tarin Weiss (Westfield State VP1), Richard Little (Greenfield Community College emeritus, Earthview LLC), Daniel Obrist (UMASS-Lowell)

Meeting Agenda:

Review of 2016-2017

Plans for future

Passing the Baton

OESTA

Guest Speaker: Dr. Daniel Obrist, Chair Environmental, Earth and Atmospheric Sciences Department at UMass Lowell.

"Tundra uptake of atmospheric elemental mercury drives Arctic mercury pollution"

Field Trip: Lori Weeden, Environmental, Earth and Atmospheric Sciences Department at UMass Lowell.

A Walk through History: New England Geology and the Industrial Revolution.

Meeting notes:

2017 news and events and plans for the future:

Notes from Lori Weeden's President's Message: Met with state legislators about better integration of Earth Science concepts into secondary curriculum. Angry about the climate change denier propaganda book sent out by Heartland Foundation – Why Scientists Disagree about Global Warming. 60% of science teachers don't think there's more than 80% consensus about climate change – this is leading to students following this incorrect assertion. It is very important to get Earth Science content back into secondary schools. Lori wrote 43 letters to elected officials in MA and talked to Rep. Denise Provost from Somerville and Keith Seitter (Exec. Director of American Meteorological Society); asking what does it take to add the Earth Science to MA High school curriculum? Denise Provost of Somerville got back to Lori – Provost sits on the subcommittee on climate change at the state level. Denise ready to introduce bill about climate change. Lori then met with Denise, Keith and 3 DESE folks (Hashimoto-Martell, Nicole Scola and Jessica Leitz) in late November to discuss issues. She learned that the state is removing chemistry MCAS and engineering MCAS in 2020; only biology and physics MCAS exams will remain. No chance of ES MCAS. However, Earth and Space Science is part of new NGSS standards at the secondary level adopted by MA.

Lori is working toward, and asserts that we need to figure out how to add Earth Science related questions to MCAS biology and Physics. Standards for climate change do exist in these exams – Her plan – develop questions and provide professional development for classroom teachers. Suggested: Increase our membership and our NAGT presence in the following organizations: MAST, NESTA, MABT, AAPT, NEACT and NSTA, and the MA STEM Summit in November.

Vice President Melissa noted that NSTA has a lot of energy around NGSS standards at all levels. Tarin suggested putting forth a session at next year's STEM Summit – November 2018 (usually due sometime in the summer, need to check due date for session submittal). We should present at MAST next December as well (session's also likely due in summer)

Kim Kastens talked about education as preparation for citizenship, literacy, life. VS. a current focus on career/jobs. Science literacy Important for responsible citizenship.

We have 106 members - in NAGT-NE. So, let people know what's going on with ES in MA – maybe someone should write an essay for In the Trenches!!!

Section Activities This Year:

1. March 2017: Lori Weeden, Melissa Lombard, Tarin Weiss led short Field Trip to Purgatory Chasm.

2. Spring 2017: Melissa Lombard co-authored a new book for teachers entitled *Dive In! Immersion in Science Practices for High School Students*. Melissa is leading an up-coming workshop about her book in NH.



Dive In! Immersion in Science Practices for High School Students

By: *Karen J. Graham, Lara M. Gengarelly, Barbara A. Hopkins, and Melissa A. Lombard*



3. July 2017: Tarin Weiss presented a poster at Earth Educators Rendezvous (Albuquerque, NM) called; *Motivated by Eisner: Physical Geology assignments that connect to students' lives and everyday experiences*
4. October 2017: Julia Daly, with colleague Tom Eastler (Dept. of Earth and Environmental Sciences, University of Maine at Farmington) ran field trip in October for the 2017 New England Intercollegiate Geological Conference (NEIGC) in Maine titled *RETURN TO THE SANDY RIVER*
5. Spring Liz Gordon coordinated our awarding of the Outstanding Earth Science Teacher's Award to **Laura Preston** (photo) from New Hampshire. Congratulations Laura! Laura Preston teaches science at Salem High School in Salem, New Hampshire.
6. March 2018: Melissa Lombard, Tarin Weiss, and Lori Weeden are chairing a theme session at GSA-NE (in Burlington, VT) titled *Geolore: Local geology field trips merge geology and history to motivate students, teachers, and community members to explore natural areas*. NAGT-NE is also sponsoring a lunch for the geoscience-interested community on Sunday. Hope to see K -16 geoscience educators at this great meeting in a beautiful setting in March.





7. Future work: Update our Facebook page, update our NAGT page, Dick will send out newsletter

Note to all section members (or others) The NAGT Outstanding Earth Science Teacher Award is a major accomplishment of our Section each year. PLEASE Submit OESTA nominees via the NAGT web site. www.nagt.org/awards

The next meeting of the Yale Peabody Museum's P.REX Club (Peabody Regional Educators' eXchange) will be Thursday, January 25th from 5-7PM.** The meeting will

feature a short research presentation on the ecological impacts of logging in the Congo basin, highlighting the NGS theme of Interdependent Relationships in Ecosystems. We'll also provide an update on the Museum's renovation plans and ask you to brainstorm ideas for our new classrooms, programs and Discovery Room. Snacks and a raffle drawing will round out the evening.

Please RSVP to the Education Office at peabody.education@yale.edu by Tuesday, January 23 if you plan to attend. Hope to see you there! ****[THIS EVENT HAS PASSED, BUT YOU MAY WISH TO CONTACT THEM FOR INFO ON FUTURE ACTIVITIES]**

In conclusion, Hawaii never disappoints and this trip was extra exciting for reasons not geological and well beyond anyone's reasonable advance planning!

PS. I have information about my travel destinations on my www.EarthView.rocks web site and am very willing to answer questions to help with your travels.

NAGT-New England Section is active on the state and national front representing a variety of earth science education issues

In the fall of 2017 Tom Vaughn, a Past President of our section, and current counselor on our board was invited to Washington, DC to help review advanced technological and geoscience proposals.

The purpose of this meeting was to provide advice and recommendations concerning proposals submitted to NSF for financial. With an emphasis on two-year colleges, the **Advanced Technological Education (ATE)** program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and employers to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways to two-year colleges from secondary schools and from two-year colleges to four-year institutions; and other activities. Another goal is articulation between two-year and four-year programs for K-12 prospective teachers that focus on technological education. The program also invites proposals focusing on research to advance the knowledge base related to technician education.

The NAGT-New England Section has had a long involvement with the state of Massachusetts in supporting K-12 Earth and Space Science. Back in 1996 when science standards were first formulated, the then president of our section, Tom Vaughn, gave input to the creation of the standards. Ever since that time, NAGT-New England Section has given input and support as the standards have evolved. Our organization was instrumental in helping to revise the 2001 standards by introducing satellite imagery into the standards. Tom Vaughn, Past President of our Section and presently Counselor, is dedicated to support the teaching of Earth and Space Science in Massachusetts by being an annual presenter at the Massachusetts Association of Science Teacher Conference. For this past conference held in November, 2017, he presented a lesson for teachers to use with their students entitled, Carbon Dioxide and Global Warming: What is the Evidence? The session was well attended with about 25 attendees. NAGT-New England Section has also had input on the assessment of the Earth and Space Science Standards. Tom Vaughn has served on the Assessment Development Committees (ADC) as an earth science consultant. He is presently serving on the Grade 8 General Science Committee. Just recently Tom was invited by the Massachusetts Department of Elementary and Secondary Education to serve as the earth science expert to review all the current earth science questions on both the Grade 5 and Grade 8 assessments. In addition, NAGT-New England Section has represented the earth science community in teacher licensure. Tom Vaughn has served on the Review Panel for earth science Massachusetts Test for Educator Licensure (MTEL). Presently he is on the committee as the earth science expert that is revising the Grade 8 General Science MTEL. Our organization will continue to support the teaching and learning of Earth and Space Science standards to the students of Massachusetts.

Editor's note: you can contact Tom at tv Vaughn17@comcast.net

North Central Section Annual Report 2017
Submitted by Suki Smaglik

Officers:

President

Suzanne M. (Suki) Smaglik, Lander, WY
Suki.smaglik@gmail.com

Secretary/Treasurer

Katherine (Kata) McCarville, Ph.D., Upper Iowa University, Fayette, IA
mccarvillek@uiu.edu

Past-Year Activities:

Kata and Suki continue to hold the torch (no matter how dim) for the North Central section. This section will become inactive in 2018 if new leadership does not step forward.

We received one nomination for OEST this year. This nomination has been deferred to next year.

Planned Activities:

We (still) need new officers for this section.

Treasurer's Report:

submitted by Kata McCarville

The NAGT North Central Region is solvent, and has available funds totaling more than \$3200 at this time.

NAGT Pacific Northwest Section 2016-17 Annual Report

A. Current Section Officers

a. Executive Office

President

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

2nd Vice-President

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

Secretary-Treasurer

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

Past President

Cassandra Strickland – Columbia Basin College, 2600 N 20th Avenue, Pasco, WA 99301, CStrickland@columbiabasin.edu

b. Communications

Newsletter Editor

Website Coordinator

Cassandra Strickland – Columbia Basin College, 2600 N 20th Avenue, Pasco, WA 99301, CStrickland@columbiabasin.edu

c. State-Province Councilors

Alaska

Michael Collins, Geologist, Epoch Well Services, Anchorage, collins_micha20@hotmail.com

Idaho

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

Dean Garwood, Idaho Geological Survey, dgarwood@uidaho.edu

Oregon

Eriks Puris, Portland CC, eriks.puris@pcc.edu

Washington

Jeff Tepper, University of Puget Sound, jtepper@ups.edu

Beth Norman, Pierce College, bnorman@pierce.ctc.edu

British Columbia

Tark Hamilton, Camosun College, Victoria, B.C., thamilton@cmosun.bc.ca

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

d. Awards

OEST Awards Coordinators

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

LyndaS@coos-bay.k12.or.us

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

Jodie.Harnden@pendleton.k12.or.us

B. Reports

i. Annual Business Meeting

The business meeting of annual conference of the NAGT Pacific Northwest Section was held Friday, June 23rd during the annual conference. Seven section members attended. There were changes in leadership. Prior to the meeting, nominations for officers were solicited from the section. Most existing officers offered to continue in their roles, a few expressed a desire to move on. A summary of the section's officer is shown in part A, above. For the executive roles, Cassie

Strickland made it known prior to the meeting that she would be stepping down from the president's role but would continue to act as the section's webmaster. Scott Linneman submitted his resignation as secretary-treasurer prior to the meeting but made the finance transition easy. A financial report is shown below. Amy Collete at national guided incoming president Frank Hladky through the process of obtaining the section a new EIN in June. The 990-N (e-postcard) was filed with the IRS in August. Hillary Goodner accepted the role of 2nd vice president, and Eriks Puris stepped up to the role of secretary-treasurer. There were no other candidates for these three executive roles. The membership count for 2017 is 154.

ii. 2016 OEST Awards

- State (Oregon):
 - Karen Shelton
- PNW Section:
 - Jonathan Hill, Marshfield High School, Coos Bay, Oregon

iii. 2017 OEST Awards

- State (Oregon):
 - Celia Hampton, Pendleton, Oregon
- PNW Section:
 - Robert Doherty, Armand Larive Middle School, Hermiston, Oregon

C. Annual Activities/Functions

a. Events Sponsored by Pacific Northwest Section NAGT 2016-17

NAGT PNW Annual Conference, June 22-24, 2017, Craters of the Moon National Monument, hosted by Doug Owen, in conjunction with the National Park Service, Craters of the Moon Natural History Association, Wastren Advantage Inc., and the Idaho National Laboratory. Attended by 35 registered participants of which eight were NAGT members. Five K-12 teachers attended and will be reimbursed by the section for the conference registration fee.

Conference schedule:

1. Thursday, June 22: Field Trip – Tour of Idaho National Laboratory
2. Friday, June 23: Conference – Held at the Center for Advanced Energy Studies (CAES), affiliated with the INL
3. Saturday, June 24: Field Trips – Option 1: Craters of the Moon National Monument.
Option 2: Kings Bowl, Snake River Plain

The section website continues to be updated by Cassie Strickland: www.nagtpnw.org

The section newsletter is produced by Frank Hladky. Newsletters collect information from section officers & members at large, and are distributed electronically, or available for download at: www.nagtpnw.org/News-or-Reviews.html.

b. Planned 2017-18 Activities

- Future conferences: **To be announced.**

D. Financial Report, NAGT Pacific Northwest Section

Banking services were switched to a regional bank so that NAGT PNW officers would have more convenient access to branches. Banner Bank has offices in Idaho, Oregon, and Washington.

Checking Account with Banner Bank, North Bend, Oregon, opened September 1, 2017.
Submitted by Frank R. Hladky, September 13, 2017

Institution	Balance	Date	Reported by
Ending WECU Balance:	\$14,081.85	8-16-2017	Scott Linneman/Frank Hladky
Banner Bank Checking:	\$14,780.35	9-1-2017	Frank Hladky

NAGT PNW	WECU		Banner Bank	Total
	S1-Savings	S7-Business	Banner	
Balances on 9/1/16	\$ 12,579.31	\$ 1,431.38		\$ 14,010.69
INCOME				
NAGT	\$ -			\$ -
Guidebooks/donations	\$ 25.00	\$ 20.00	\$ -	\$ 45.00
Conference (INL)	\$ -	\$ -	\$ 698.50	\$ -
Interest	\$ 26.16	\$ -	\$ -	\$ 26.16
	\$ 51.16	\$ 20.00	\$ 698.50	\$ 71.16
EXPENSES				
Kahle Fund scholarship	\$ -	\$ -	\$ -	\$ -
Misc business	\$ -	\$ -	\$ -	\$ -
Conference related	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -
Balances on 9/1/17	\$ 12,630.47	\$ 1,451.38	\$ 698.50	\$ 14,780.35
8/16/2017 Close WECU	\$ 14,081.85		\$ 698.50	\$ 14,780.35

Southeastern Section of NAGT
2017 Annual Report
Frank Forcino

I. Leadership Updates

I, Frank Forcino, was elected president of the section in March of this year. Since time point, I have reached out to many people to try to have the position of VP filled. Unfortunately, I have not been successful. I will continue to reach out to potential VP candidates in hopes to have the position filled by SEGSA in April. Adam Skarke was elected our new treasurer. Our full list of officers and state representatives can be found at: www.geogiarocks.us/nagt/.

II. SEGSA 2017 – Richmond, VA

The annual business meeting for the section was held over lunch on Friday, March 31 at Southern Railway Taphouse in Richmond, VA. Attendance was lower than the previous year's meeting, with about 15 members. I have already planned this year's coming meeting in Knoxville, TN on April 12, 2018. I have a plan to reach out to a much greater number of people to come participant in the meeting. At the 2017 meeting, we elected new officers, discussed additional new officers, discussed field trip options for the next year's meeting, OEST awards, and other outreach methods.

III. OEST Awards

This year's winners were:

Alabama: Virginia Hall, Mary G. Montgomery High School

Florida: Leigh Arnold, Palm Beach Schools

Georgia: Catherine Warren, Richmond Hill Middle School

Louisiana: Ann Robichaux, Vanderbilt High School in Houma, Louisiana

Mississippi: Tammie Bright, Yazoo County Middle School

North Carolina: Annette Bartlett, Harris Road Middle School

South Carolina: Marc Alexander, Wright Middle School in Columbia, SC

This year's section winner was: Annette Bartlett

One of my continuing goals is to more strongly promote the 2018 OEST awards. 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.

IV. Upcoming Plans

At this years SEGSA meeting we have a post-meeting field trip planned that is geared toward K12 educators. The field trip, titled *Lessons from Limestone: How to Teach All Sciences with Limestone*, will take participants on a tour of limestone outcrops in east Tennessee with the goal of providing information on how to teach about earth processes using limestone. For more information, see field trip 5 here:

https://www.geosociety.org/GSA/Events/Section_Meetings/GSA/Sections/se/2018mtg/fieldtrips.aspx

V. Facebook Page and Section Newsletter

Thanks to Bill Witherspoon, we have a wonderful newsletter that is distributed every March and September to our membership. To enhance our communication with geoscience educators in our region and in hopes of recruiting new members for SENAGT, we started a facebook page in the last year. This new means of communication has allowed us to share opportunities and news to our members (and beyond) more frequently. <https://www.facebook.com/National-Association-of-Geoscience-Teachers-Southeastern-Section-400556276800591/>

V. Financial Report

The Southeastern Section of the National Association of Geoscience Teachers maintains a single bank account for the sectional treasury. For the period of August 1, 2016 – July 31, 2017, the following financial transitions took place:

August 1, 2016 Balance: \$4928.32

August 31, 2016 interest deposit \$0.04 [0.01%] Balance: \$4928.36

September 30, 2016 interest deposit \$0.04 [0.01%] Balance: \$4928.40

October 30, 2016 interest deposit \$0.04 [0.01%] Balance: \$4928.44

November 30, 2016 interest deposit \$0.04 [0.01%] Balance: \$4928.48

December 31, 2016 interest deposit \$0.04 [0.01%] Balance: \$4928.52

January 31, 2017 interest deposit \$0.04 [0.01%] Balance: \$4928.56

February 28, 2017 interest deposit \$0.03 [0.01%] Balance: \$4928.59

March 11, 2017 membership dues deposit from NAGT \$400.00 Balance: \$5328.59

March 31, 2017 interest deposit \$0.04 [0.01%] Balance: \$5328.63

April 28, 2017 interest deposit \$0.04 [0.01%] Balance: \$5328.67

May 15, 2017 withdraw of all funds and closure of BB&T Bank account [End of Pamela Gore Term as SENAGT Treasurer] Balance: \$5328.67

May 21, 2017 opening of Cadence Bank account and deposit of all funds [Start of Adam Skarke Term as SENAGT Treasurer] Balance: \$5328.67

June 20, 2017 withdraw \$40.45 to purchase checks for the treasury account. Balance: \$5288.22

July 31, 2016 Balance: \$5288.22



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

Report to the NAGT Executive Committee
Geo2YC Division
13 September 2017

Current Division Officers

President: *Brett Dooley*, Patrick Henry Community College (2015-2018)
Past -President: *Kaatje van der Hoeven Kraft*, Whatcom Community College, WA (2015-2016)
Vice President & Incoming President: *Callan Bentley*, Northern Virginia Community College (2016-2019)
Vice President-Elect: *Joy Branlund*, Southwestern Illinois College (2017-2020)
Secretary/Treasurer: *Wendi J. W. Williams*, Northwest Arkansas Community College and University of Arkansas at Little Rock (Interim 2015-2016, 2016-2019)
Newsletter Editor: *Thomas Whittaker*, Unity College (2014-2017)
Incoming Newsletter Editor: *Sherry Oaks*, Front Range Community College (2017-2020)
Webmaster: *Chris Johnson*, Salt Lake Community College, (2015-2016, 2016-2019)
Archivist: *Amber Kumpf*, Muskegon Community College (2014-2017)
Incoming Archivist: *Peter Berquist*, Thomas Nelson Community College (2017-2020)

Geo2YC is in year six of existence as a division of NAGT. We currently have 251 members in the division. Our account balance is \$5,208.45, currently residing with NAGT HQ as we establish an independent Bank account. The division continues to focus on answering the question, "How can we best support the 2YC community, both faculty and students?" We continue to promote our division in multiple ways to help build awareness and name recognition.

To this end, we had a large presence at the Earth Educator Rendezvous (EER) and held a social one evening. Thirty-eight members were in attendance for EER, but more importantly 22 non-members including faculty from 2yacs were also present. Over 30 attended the social, and non-members were encouraged to join. This indicates clearly that EER is a great opportunity to better spread the word about the division and potentially build our membership. The sponsorship of workshops and technical sessions at GSA, and representation at local geoscience professional development workshops associated with the SAGE2YC grant help promote the division and its mission.

Below is a summary of activities completed and in progress:

1. The Executive Board met via teleconference four times this year to discuss ongoing projects and share Geo2YC related news.
2. With help from many contributors, we have published four newsletters, *Foundations*, in 2016-2017 (December, March, May, and September forthcoming; visit <https://nagt.org/nagt/divisions/2yc/newsletters.html>) which are distributed through the Geo2YC website and the Geo2YC listserv. The newsletters include a variety of content, including field tips, reports from recent workshops, contributions of teaching pedagogies for 2YC faculty, incorporation of geoscience educational resources in the classroom, just to name a few.
3. We have received nominations for our Outstanding Adjunct Faculty Award, with three of the nominees showcased in newsletters. This year we switched from a quarterly OAF Nominee to three-times per year. One outstanding adjunct has been highlighted in three of the four editions of the newsletter, and one nominee will be chosen for the annual award to be presented by the end of the year. Each individual awardee is awarded a membership to both NAGT and the division, and the annual awardee is also awarded \$750 toward professional growth in partnership with Pearson publishing.
4. External support of the Geo2YC community continues, and Geo2YC has been able to advertise those opportunities through the Geo2YC listserv. This includes funding opportunities through NSF IUSE grant solicitation webinars, support from NSF for 2YC faculty to attend the Earth Educators Rendezvous, Summit on the future of undergraduate geoscience education and various Integrate workshops.
5. We will be participating in GSA 2017 activities.
 - a. Geo2YC is a sponsor for one technical session and one short course:
 - i. T132. Undergraduate Research Posters Showcasing Research by 2YC and 4YCU Geoscience Students
 - ii. SC512. Helping Students Thrive in Geoscience at Two-Year Colleges: Selected Strategies
 - b. We are advocates for:
 - i. T129. The Challenge of Defining Student Success: Broadening Participation, Measuring Success, and Preparing 2YC and 4YC Students for a Variety of Transitions (Oral)
 - ii. T129. The Challenge of Defining Student Success: Broadening Participation, Measuring Success, and Preparing 2YC and 4YC Students for a Variety of Transitions (Poster)
 - c. The sixth business meeting of the Division will be held Sunday, October 22nd, 2017 at GSA.
 - d. We will continue to promote the Division with the use of Geo2YC brochures and newsletters.

6. We continue to work with members to serve as NAGT and GSA Sectional liaisons to help us identify members and promote the division at sectional, regional, and local events. We are always working to recruit liaisons.
7. Our website is continually updated. We will work to keep this updated and hope to make the website more robust by including more information about the broader Geo2YC community, as well as have a greater presence in social media to reach our members in a variety of ways.
8. One method of outreach has been the distribution of the Geo2YC scale pencils. We placed an order for just shy of 400. These we will continue to provide at all events attended by Geo2YC-ers. We had a presence at the Inland Empire Science Festival in 2016 and will continue to extend our presence in new venues.
9. We have elected an
 - a. incoming Vice-President, Joy Branlund, from Southwestern Illinois College.
 - b. We are in the last year of service for our archivist, Amber Kumpf and newsletter editor, Thomas Whittaker. After a call for new volunteers along with a vice president in the election cycle of Spring 2017 we have elected Sherry Oaks, from Front Range Community College, as Newsletter Editor and Peter Berquist, from Thomas Nelson Community College, as Archivist.
 - c. Callan Bentley, from Northern Virginia Community College will assume duties as President of the division and Brett Dooley will transition to Past-President at our board meeting at GSA.

Respectfully submitted by,

Brett Samantha Dooley

Patrick Henry Community College
Geo2YC Division President

Wendi J. W. Williams

North West Arkansas Community College
Geo 2YC Division Secretary & Treasurer



NAGT Final Report
Fall 2017
Jeff D. Thomas, President (2016-17)
Report prepared: SEPT 22, 2017

Officers for 2016-17

President: Jeff Thomas, Central Connecticut State University
Past President: Heather Petcovic, Western Michigan University
Vice-President: Suzanne Traub-Metlay, Western Governors University
Secretary/Treasurer: Mark Abolins, Middle Tennessee State University
Media Director: Steve Mattox, Grand Valley State University

Elected Officers for 2017-18

President: Suzanne Traub-Metlay, Western Governors University
Past President: Jeff Thomas, Central Connecticut State University
Vice-President: Eric Pyle, James Madison University
Secretary/Treasurer: Peggy McNeal, Western Michigan University
Media Director: Steve Mattox, Grand Valley State University

Ex Officio Officers

Liaison to NESTA/NSTA: Eric Pyle, James Madison University
Liaison to NAGT: TBD

Goals from the 2016 Report:

1. Solicit news and articles for our 2016-17 Newsletters from our members. The President and at least one other TED Executive Board member will write at least article per year.
2. Plan for the 2017 Business Meeting at GSA during the fall virtual TED meeting.
3. Identify initiatives or activities that TED can support financially with member dues.
4. Update and maintain the TED website such as InTeGrate and NGSS resources related to Teacher Preparation. An ad-hoc committee will be formed during Spring 2017.
5. Identify a TED member to serve on the organizing committee for the 2017 Earth Educators Rendezvous.
6. Sponsor or host NAGT initiative and activities related to teacher education for GSA, AGU, and others. Consider an activity at GSA similar to GER.
7. Work with NAGT journals (Journal of Geoscience Education and In the Trenches) to promote dissemination of research and best practices in teacher education.

NAGT-TED Executive Committee:

Attended Meetings

- Suzanne Traub-Metlay and Mark Abolins attended the 2016 NAGT ExCom meeting held at the 2016 GSA Conference in Denver CO.
- NAGT-TED Executive Board Meetings: November 18, 2016; January 27, 2017, June 2017.
- NAGT Meetings: February, 10, 2017 & June 8, 2017.

President's Report

- Two TED newsletters were published during the past year, one during the fall and spring. Both the president and vice president, among others, contributed to these newsletters (see Goal 1).
- Suzanne Traub-Metlay and Jeff Thomas are in the process of planning for the 2017 NAGT ExComm meeting in Seattle, WA (see Goal 2).
- TED Executive Board developed ideas to use TED funds, including: making and distributing TED stickers for GSA, provide pre-service teachers with travel scholarships to attend conferences, and fund a booth at NSTA, perhaps with NAGT too (Goal 3).
- TED Executive Board discussed strategies to update the TED website, implementation of these ideas has not yet been met. This, in part, is due to not having an establish Ad-hoc committee to meet this goal. We hope to continue to strive to meet this goal this upcoming year (Goal 4).
- One of TED's goals was to have a stronger presence at the Earth Educators Rendezvous. The issue has been few TED members, at least to our knowledge, are not attending, thus our presence is not well known. TED ExComm is unsure, at this point in time, if it is possible to provide a stronger presence at this important annual summer conference (Goal 5).
- TED has support being involved in at least two activities related to geoscience teacher education, one at the 2017 GSA Conference in Seattle and the 2018 ASTE Conference in Baltimore MD (Goal 6).
 - TED submitted and sponsored three sessions for the 2017 GSA conference in Seattle WA.
 - The 2018 Association for Science Teacher Education (ASTE) Conference will be held early January in Baltimore MD. Jeff Thomas, Suzanne Traub-Metlay, and Eric Pyle submitted a paper set focusing on geoscience education. The goal for presenting at ASTE is to highlight creative activity in geoscience education as well as begin to develop stronger relationships and possible affiliation with ASTE in the future. Jeff Thomas is working with NAGT to develop this partnership.
- Our last goal, to disseminate research on teacher education to the Journal of Geoscience Education, was not met (Goal 7).

NAGT-Ted Committee work:

- During 2017-18 academic year, TED will solicit more members for an ad-hoc committee develop and improve our TED website.

Goals for next reporting period:

- Solicit news and articles for our 2017-18 Newsletters wherein the President and at least one other TED Executive Board member will write at least article per year.
- Develop initiatives for TED to support geoscience education preservice teachers to attend GSA.
- Update and maintain the TED and have the ad-hoc committee perform most of this work.
- Sponsor or host NAGT initiative and activities related to teacher education for GSA, AGU, and others. Consider an activity at GSA similar to GER.
- Work with NAGT journals (Journal of Geoscience Education and In the Trenches) to promote dissemination of research and best practices in teacher education.
- Plan for the 2018 Business Meeting at GSA during the fall virtual TED meeting.
- Develop a formal partnership with the Association for Science Teacher Education (ASTE).

NAGT-GER Division Annual Report

Report to the NAGT Executive Committee
Geoscience Education Research Division
September 22, 2017

Current Division Officers

Karen McNeal – President
Katherine Ryker – Interim Vice-President
Anne Gold – Treasurer
Kelsey Bitting – Interim Secretary
Nicole LaDue – Past-President

At GSA in October 2017, new officer terms start with:
Katherine Ryker – Vice-President
Leilani Arthurs – Secretary

The division is wrapping up its fourth year and has spent the year building community, promoting GER, developing resources, networking, and communication opportunities.

At the 2017 Earth Educators' Rendezvous, the Division hosted a run and a networking event with coffee and bagels on two mornings in order to inform existing and potential NAGT members of our Division and the benefits we provide our memberships.

At the 2016 Annual Fall Meeting of GSA, the GER Division officers chaired a session on GER Methods. We had more abstracts submitted than we could accept and attendance was high throughout the session. Another session for 2017 Fall GSA has been accepted where we had enough submissions for both an oral and a poster session. We also submitted a Pardee session but were not able to secure one of the few slots. This upcoming GSA session asks presenters to share how GER findings can be translated into teaching and identifying future directions for research. The Division has also sponsored 3 additional GSA sessions on improving climate science literacy, problem solving and decision making, and teacher education. We are also supporting and advertising the Town Hall event that will be held immediately following the GER session. This event will engage the community in giving feedback on the draft strategic goals and strategies for Geoscience Education Research (developed at the 2017 Earth Educators Rendezvous).

As in past meetings at GSA, the three divisions (GER, TED, and 2YC) coordinated our schedules so that our meeting times did not overlap and people belonging to multiple communities could attend multiple business meetings. The GER Division also held a social event to help connect people with one another.

This year our Newsletter has continued to be sent out to division members on a monthly basis, and is read by approximately 300 members each month. Once again, substantial credit goes to the Communications Director, Kelsey Bitting, who has spearheaded this effort. We have continued the "Spotlight" to highlight the type of work done by various researchers in the community, including recent profiles of Kaatje van der Hoeven Kraft, Leilani Arthurs, and Kyle Gray. We have also linked to the newly developed GER Toolkit that was funded by a NSF project to provide determine future directions in GER and to provide resources to the community in our to expand its capacity. Other consistently popular content include featured articles or webinar recordings from across DBER fields, grant and job opportunities of relevance to the community, and upcoming conferences. To view past newsletters, visit the archive at <https://nagt.org/nagt/divisions/geod/archive>.

NAGT put forward a transition from an individual GER division account to an account that is nested under the NAGT main account with the transition of treasurers. The treasurer now submits expenses to the NAGT executive office for payment. The division has an account balance of \$5,943.41.

This coming year, we hope to continue building community and resources within our Division. We plan to address our membership's desires for additional professional development in research methodologies by launching a webinar series. The first webinar will be conducted on October 17th and will be led by Julie Sexton, on the topic of XX. We also hope to build out and revive two Division committees – the long-range planning committee and the communications committee. These have been a challenge to identify and recruit GER members to participate in, but we hope that after the 2017 GSA annual meeting to have recruited enough individuals so that these committee can start doing important work in the Division as steering/advisory committees to the leadership team.

This year our Division President, Todd Ellis, had to leave his position due to personal health reasons and Karen McNeal stepped into the President position, while Katherine Ryker became interim Vice-President and Kelsey Bitting was interim Secretary during this transition period. We thank Todd for leading the Division as far as he was able to and also Nicole LaDue, past-president, for helping to guide and direct the team throughout the year and for her commitment to continue on as Past-President another year. I also want to welcome Leilani Arthurs, the incoming Secretary and Katherine Ryker the incoming Vice-President. I also want to thank Kelsey Bitting for her tireless efforts as Communications Director and for stepping into the leadership team when it was most needed. We are grateful for all of your commitment to the Division and look forward to your contributions.

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

The NAGT-GER Division Team:

Karen McNeal
Auburn University
President (2017-2018)
Vice President (2016-2017)

Katherine Ryker
Eastern Michigan University
Vice-President (2017-2018)
Secretary (2014-2017)

Anne Gold
Colorado State University-Boulder
Treasurer (2016-2019)

Nicole LaDue
Northern Illinois University
Past President (2016-2018)
President (2015-2016)
Vice President (2014-2015)

OESTA 2017 Report – Dr. Mike Passow, OESTA Coordinator

I wish to begin by expressing my appreciation to William Prothero for passing on to me the efficient system that has been refined in recent years, and to MJ Davenport for her support during my first year.

We received more than 40 nominations, which resulted in the awarding of 7 Sectional and 21 State Winners. Detailed information about the recipients is available at <https://nagt.org/nagt/awards/oest.html>.

The Sectional Winners are:

- Central Section: Jill Weaver
- Eastern Section: Kathleen Tait
- Far Western Section: Dieuwertje Kast
- Midcontinent Section: *No Award in 2017*
- New England Section: Laura Preston
- North Central Section: *No Award in 2017*
- Pacific Northwest Section: Robert Doherty
- Southeastern Section: Annette Bartlett
- Southwest Section: Ben Graves
- Texas Section: *No Award in 2017*

State winners are:

- Arizona: Allison McIntosh
- Colorado: Annette Calabretta
- Delaware: Lindsay Lancaster
- Florida: Leigh Arnold
- Georgia: Catherine Warren
- Idaho: Heather Swanson
- Kentucky: Thomas Reed
- Louisiana: Ann Robichaux
- Michigan: Sherry Clafin
- Minnesota: Denine Voegeli
- Mississippi: Tammie Bright
- New Mexico: Turtle Haste
- New York: Rebecca Remis
- Ohio: Karly Lyons

- Oregon: Celia Hampton
- Pennsylvania: Kathleen Tait
- South Carolina: Marc Alexander
- Virginia: Rebecca Musso
- Wisconsin: Robert Shannon
- West Virginia: Bryan Schuerman

As we received more applications than we made awards, some Sections already have possible future winners in their carry-overs. We will disseminate information about applying at a variety of venues. We continue to urge all winners to become more active in NAGT< NESTA, and other professional societies. One way for them to do so, if they attend area or national NSTA conferences, is to present at a NESTA Share-a-Thon.

Finally, I wish to express my appreciation to all Section members involved in the selection process.

Respectfully submitted,

Dr. Mike Passow

NAGT
Shea Award Committee
2017 Annual Report

The 2017 James H. Shea Award committee is pleased to report that the 2017 award recipient will be Dr. Michael Mann of Pennsylvania State University. Dr. Mann is a Distinguished Professor of Atmospheric Science at Penn State and is a global leader in climate change research, education, and public awareness. Dr. Mann is the author of over 200 peer-reviewed and edited publications along with several books, including: ***Dire Predictions: Understanding Global Warming*** (2008), ***The Hockey Stick and the Climate Wars: Dispatches from the Front Lines*** (2012), and with co-author Tom Toles, ***The Madhouse Effect: How Climate Change Denial Is Threatening Our Planet, Destroying Our Politics, and Driving Us Crazy*** (2016).

The 2017 James H. Shea Award committee included the following members:

- Anne Egger
- Karin Kirk
- Karen McNeal
- Kristen St. John
- Andy Buddington (Chair)

There were a total of eleven nominees for the 2017 award and because of the 3-year continuation for nominees, there will be a minimum of five nominees for 2018. The committee would like to congratulate Dr. Michael Mann for being the 2017 recipient of the James H. Shea Award.

2017 Report on Teaching Assistant Awards
Jeff Niemitz, Chair

There was good news and bad news this year regarding TA Awards. The good news is that the quality of the TA nominations was outstanding with 6 excellent candidates. That is also the bad news; we only had two nominations in January and 4 in the June round. Until this year we had been on an increasing nomination trend. This was most likely because NAGT had advertised the award conspicuously in “In the Trenches” and an email blast to many institutions. I would like to have the resources to resurrect that approach this coming year in order to boost nominations of the many deserving TA’s I believe are not being recognized. I would appreciate some discussion on what resources might be appropriate (e-mail lists, admin help, advertising, etc.?) so that we might reach more potential faculty nominators. Any other suggestions would also be appreciated.

Field Camp Scholarship 2017 Report

Chair: Lydia K. Fox

The NAGT Field Camp scholarship field was very competitive again this year, with 65 of the best and brightest young geoscientists from around the country applying for this award. Committee members are Diana Dalbotten and Steve Whittier. Because of a family emergency by one of the reviewers, each application was reviewed by only 2 reviewers. All of the selected individuals were ranked in the top 20 by both reviewers.

This year's awardees are:

Anna Stanczyk, University of Alaska Anchorage

Melanie Gail Bowen, Texas A&M University

Abbey Warner, Eastern Illinois University

Patrick Avery Manselle, Eastern Illinois University

Brandon Rasmussen, University of Nevada, Reno

Jessica Jagdeo, University of Florida

Alexandra Leigh Wallenberg, Illinois State University

Darby Patrick Scanlon, California State University, Bakersfield

Hannah Lowe Kempf, Miami University (OH)

Alexander Andrew Ruley, North Carolina State University

Amy Renee Towell, University of Toledo

Colleen Elizabeth Laird, Case Western Reserve University

Sarah Elise Olden, Central Washington University

Zack David Levinson, California State University, Bakersfield

Sarah Louise Finger, Whitman College

Kara Ashley Vogler, Dalhousie University

Angela Julie Boguk, Pacific Lutheran University

Kristina Lynn Butler, University of Alaska Anchorage