



# GeoNews

Newsletter of the Association of Environmental & Engineering Geologists,  
Carolinas Chapter

*2009, 2011, 2013, 2016, and 2017 AEG Chapter of the Year*

FALL 2022



## IN THIS ISSUE

Election Results and New Volunteers .....	4-6
AEG/ASCE Joint Meeting .....	7
ASBOG® Exams Convert to Computer-Based Testing .....	13

## SAVE THE DATE

AEG Carolinas Chapter  
Meeting  
Natty Greene's  
Greensboro, NC  
November 10, 2022

**GEONEWS FALL 2022****Issue Date: November 8, 2022****TABLE OF CONTENTS****Articles and Reports**Election Results and New Volunteers *by**Rick Kolb*.....4-6AEG/ASCE Joint Meeting *by Jennifer Thomas* .....7ASBOG® Exams Convert to Computer-Based Testing  
*by Rick Kolb*.....13**Columns and Regular Features**Message from the Chair *by Jennifer Thomas* .....3

Carolinas Chapter Scholarship Winner .....14

**Board Business**3 QT 2022 Treasurer's Report *by Walt Plekan*.....810-23-22 Meeting Minutes *by Laura Elliott* ..... 17-18**Forms and Flyers**

Greensboro Dinner Meeting.....7

Calendar of Events .....18

AEG Membership Application .....20

Sponsor Application .....21

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**GeoNews** is a publication of the Carolinas Chapter of AEG. There are four issues per year, with deadlines and issue publication dates listed below. We publish news of the profession, announcements, student member news, technical articles, and job openings.

**Deadlines for submittal to AE Carolinas GeoNews**

(can be flexible depending on events)

Spring—deadline March 1, issue date March 21

Summer—deadline June 1, issue date June 21

Fall—deadline Sept 1, issue date Sept 21

Winter—deadline Dec 1, issue date Dec 21

**Deadlines for submittal for the National AEG News:**

March issue—January 15

June issue—April 15

September issue—July 15

December issue—October 15

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**Cover:** Former GeoNews editor (Jane Gill-Shaler) with the former AEG Carolinas Chapter Chair (Rick Kolb) in the AEG booth at the North Carolina Science Teacher Association annual meeting in Winston-Salem on November 4, 2022

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## Message From the Chair

*By Jennifer Thomas, P.G., Carolinas Chapter Chair*

### Greetings Carolinas Chapter!

It's time for colorful leaves, pleasantly cool weather, and bonfires. My family is enjoying fall festivals and spooky Halloween activities. It's also the time when we elect new board members. This edition will introduce elected and volunteer officers.

This has been a wild year for our chapter, and we still have one more quarter to go. We were still struggling with Covid, causing delays, cancellations, and lower attendance. I had it twice this year and plan on getting the latest vaccine this fall. The good news is that our membership numbers have recovered since the depths of the pandemic; our chapter is still going strong.

The market for geoscience services has had dramatic fluctuations with periods of heavy demand

and slowdowns in the third quarter. The interest rate changes have impacted those of us whose business is affected by commercial real estate. The end of the year is typically a busy time, however. Then we will see what the coming year brings economically.

I spearheaded our last meeting in Asheville at Wedge Brewing September 28. **Mark W. Carter** gave an interesting presentation on the Sparta, NC earthquake to a good turnout. Asheville tends to be a smaller meeting since we have more members in the large cities of Charlotte and Raleigh. Our next meeting will be November 10 at Natty Greene's in Greensboro. More information is in this edition.

Chapter leadership has scheduled a long in-person meeting to plan for the next year. Our goal is to put together some excellent activities to benefit our members. While we have ideas, it would be great to hear from members about what you want. In addition, we want to share anything interesting that members are doing in our newsletter. Email the officers on the contact page of our website.



Jennifer Thomas, P.G.

[jen@jenntecllc.com](mailto:jen@jenntecllc.com)

AEG Carolinas Chapter  
Chair



## Election Results and New Volunteers

*By Rick Kolb, Former Carolinas Chapter Chair*

Each year, our chapter holds elections for the four board positions: Chair, Vice Chair, Treasurer, and Secretary. The Chair serves a 2-year term and the other three positions are for 1 year. The former Chair serves for 2 years as Past Chair and remains on the board, so it comprises five geologists. Our chapter held elections for the board positions in August and **Jennifer Thomas** of JennTec in Asheville was elected to serve as Chair, **Jonathan Gerst** of Peak Hydrogeologic in Tryon was elected to serve as Vice Chair, **Walt Plekan** of AECOM in Morrisville was elected to continue to serve as Treasurer, and **Laura Elliott** of Terracon in Greensboro was elected to serve as Secretary. Jonathan moved up from the Secretary position and Laura is new to the board. Thanks to all five board members for serving the Carolinas Chapter of AEG.

BIG news for our chapter is **Paul Weaver** of ESP Associates in Greensboro becoming the new Secretary of AEG. Paul will serve as Secretary, Treasurer, Vice President, President, and Past President, each for one successive year. He continues the tradition of AEG Carolinas members serving on the national board, following the paths of Jennifer Bauer and Maddie German. As Past Chair of AEG, Maddie, who now lives in Florida, will serve in that role for a year, while Jennifer is in the Asheville area as co-owner of Appalachian Landslide Consultants.

We have several other volunteers who have stepped up to serve AEG Carolinas and our profession (thank you!!). **Meredith Ambrose** of Froehling & Robertson in Raleigh now serves as Membership Chair; **Meredith** and **Colleen Ranieri**, also of Froehling & Robertson, now serve as the new Co-editors of our chapter newsletter GeoNews; and **Jared Wilke** serves as Sponsorship Chair. **Adam Phillips** of ERIS will continue to serve as Social Media Chair and Social Committee Chair (thanks to Adam for serving as editor of GeoNews for the last several issues), **Brad Worley** continues to serve as Student Liaison, and **Rick Kolb** continues to serve as Field Trip Chair. Contact information for all of these individuals is on our chapter's website at [www.aegcarolinas.org](http://www.aegcarolinas.org). Feel free to express to them your opinions on our chapter and AEG. We are open to suggestions for improvement.

For those of you who may not be familiar with our board and the committee chairs, below are profiles and photos of each:



**Chair:** Jennifer B. Thomas

Jen graduated from Mary Washington University in 2000 with a degree in geology. She started as an environmental field technician and worked for several environmental and engineering consulting firms over the years performing soil and groundwater investigations, remediation, and monitoring primarily for underground storage tank and chlorinated solvents sites. She performed Phase I Environmental Site Assessments (ESAs) as well. Jen earned her geology license in 2006. After that, she expanded her knowledge to geotechnical engineering and construction materials testing. In 2012, she started JennTec, LLC in 2012, primarily writing Phase I ESAs with some sampling for asbestos, radon, and/or lead-based paint.



## Election Results and New Volunteers *(continued from page 4)*

*By Rick Kolb, Former Carolinas Chapter Chair*



**Vice Chair:** Jonathan Gerst

Jonathan Gerst is a Principal Hydrogeologist with Peak Hydrogeologic, PLLC in Tryon, NC. He is a Carolina native who received his bachelor's degree in geology from Appalachian State University ('05), and obtained a master's degree in hydrogeology from Virginia Tech ('10). During his 15-year professional career, Jonathan has specialized in delivering environmental and water resources consulting solutions to public and private sector clients throughout the southeast, Pacific northwest, and abroad (Suriname and Morocco). As a currently registered NC/SC-Professional Geologist, Jonathan focuses his work on commercial due diligence, brownfield redevelopment and groundwater studies.



**Treasurer:** Walt Plekan

Walt is a licensed geologist in North and South Carolina. His primary area of expertise is the assessment and cleanup of contaminated soil and groundwater and associated risk mitigation. He is a 1994 graduate of SUNY Fredonia with a bachelor's degree in Geology. He currently works as a Senior Project Manager for with AECOM Technical Services in Morrisville, NC.



**Secretary:** Laura Elliot

Laura Elliott is a licensed geologist in North Carolina and Virginia. Laura earned a bachelor's degree in geology from The College of William & Mary in Virginia, and a master's degree in earth and environmental sciences from Vanderbilt University. Her professional experience has included environmental consulting in the NC Triangle and Triad, and working for NCDEQ's Division of Water Resources. Currently, she is a Senior Geologist with Terracon in Greensboro, NC.

## Election Results and New Volunteers *(continued from page 5)*

*By Rick Kolb, Former Carolinas Chapter Chair*



**Past Chair:** Jacob Hundl

Jacob Hundl is a licensed geologist in North Carolina, South Carolina and Texas. Jacob earned a bachelor's degree in economic geology from Texas A&M University – Kingsville, and a master's degree in engineering geology from Texas A&M University. Jacob's professional experience has been in engineering geology, mining and environmental geology. His primary focus is on geotechnical assessment, slope stability, tunneling and geologic hazards. Industries served include transportation, petrochemical, mining, and civil development with project experience throughout the United States, and in Australia, Turkey and Saudi Arabia. Currently, Jacob is a Senior Project Manager with Colliers Engineering & Design in Charlotte, NC.

**Membership Chair:** Meredith Ambrose

**Field Trip Chair:** Rick Kolb

**Newsletter Co-Editors:** Meredith Ambrose and Colleen Ranieri

**Regional Director:** Bruce Rogers

**Social Media Chair:** Adam Phillips

**Social Committee Chair:** Adam Phillips

**Sponsorship Chair:** Jared Wilke

**Student Liaison:** Brad Worley

**Advisors:** Jennifer Bauer, Paul Weaver, and Gary Rogers

**Webmaster:** Brad Isles

## AEG/ASCE Joint Dinner Meeting— Asheville, NC

*By Jennifer Thomas, P.G., Carolinas Chapter Chair*

On September 28, we gathered in Asheville at Wedge Brewing for a joint meeting with the American Society of Civil Engineers (ASCE). There was barbeque, beer, and fellowship in the beautiful Cloud Room. **Mark W. Carter, PG** of the USGS gave a presentation about the 2020 Sparta, North Carolina earthquake. This 5.1-magnitude quake caused significant structural damage to homes, businesses, and infrastructure, and produced the first documented co-seismic surface rupture from an eastern US earthquake. Mr. Carter compared it to the Mineral, Virginia earthquake and described mechanisms for East Coast earthquakes. Despite the lack of a hot spot or plate boundary, these events were not isolated but part of a larger pattern that studies show goes back 500,000 years. The USGS identified the Little River Fault Zone in connection with the Sparta earthquake. This was an ancient fault in Paleozoic bedrock that reactivated. The Little River Fault may be capable of producing an earthquake that is even larger than the Sparta quake based on its length, approximately 4 km. The USGS has recently identified additional new brittle fault zones capable of producing earthquakes in North Carolina.





# AEG Carolinas Chapter Updated 3Q 2022 Treasurer's Report

By Walt Plekan, P.G., Carolinas Chapter Treasurer

## Association of Environmental & Engineering Geologists



3053 Nationwide Pkwy  
Brunswick- OH- 44212  
Phone: 330-578-4900      Manager@aegweb.org

### Chapter Financial Report: FY 2022

Chapter: **Carolinas**

Balance on Jan 1, 2022: \$ 23,680.57

Balance on Sep 30, 2022: \$ 18,037.43

#### Chapter Officers:

Chair:	Jennifer Thomas	email:	<a href="mailto:jen@jenn-tecllc.com">jen@jenn-tecllc.com</a>
ViceChair:	Jonathon Gerst	email:	<a href="mailto:jgerst@peakhydrogeologic.com">jgerst@peakhydrogeologic.com</a>
Treasurer:	Walt Plekan	email:	<a href="mailto:walt.plekan@aecom.com">walt.plekan@aecom.com</a>
Secretary:	Laura Elliott	email:	<a href="mailto:laura.rob.elliott@gmail.com">laura.rob.elliott@gmail.com</a>

#### CHAPTER REVENUE

	First Quarter Jan-Mar	Second Quarter Apr-Jun	Third Quarter Jul-Sept	Fourth Quarter Oct-Dec	YTD Total
Chapter Dues			\$ 1,725.00		\$ 1,725.00
Subscriptions					\$ -
Meetings	\$ 1,355.00	\$ 225.00			\$ 1,580.00
Short Courses					\$ -
Field Trips	\$ 220.00				\$ 220.00
Publications and Other Sales					\$ -
Bank/Investment Interest	\$ 0.50	\$ 0.46	\$ 0.39		\$ 1.35
Contributions/Gifts/Sponsorships		\$ 3,529.20			\$ 3,529.20
Advertising: Web & Newsletter					\$ -
Other Income	\$ 1.00				\$ 1.00
Accounts Receivable					\$ -
Unaccounted					\$ -
<b>TOTAL INCOME</b>	<b>\$ 1,576.50</b>	<b>\$ 3,754.66</b>	<b>\$ 1,725.39</b>	<b>\$ -</b>	<b>\$ 7,056.55</b>

#### TER EXPENSES

Meetings	\$ 1,586.13	\$ 2,361.56	\$ 1,070.00		\$ 5,017.69
Short Courses					\$ -
Field Trips		\$ 494.94	\$ 227.36		\$ 722.30
Publications					\$ -
Advertising					\$ -
Printing, Postage					\$ -
Student Support		\$ 3,500.00	\$ 2,380.99		\$ 5,880.99
Merchandise Purchases					\$ -
BOD Meetings					\$ -
Banking Fees	\$ 67.73	\$ 5.20			\$ 72.93
Website/E-Communication	\$ 257.67	\$ 46.00			\$ 303.67
Lobbying/Political Outreach					\$ -
Other Expenses:	\$ 500.00	\$ 202.11			\$ 702.11
Unaccounted					\$ -
<b>TOTAL EXPENSES</b>	<b>\$ 2,411.53</b>	<b>\$ 6,609.81</b>	<b>\$ 3,678.35</b>	<b>\$ -</b>	<b>\$ 12,699.69</b>
<b>Quarterly Surplus (Deficit)</b>	<b>\$ (835.03)</b>	<b>\$ (2,855.15)</b>	<b>\$ (1,952.96)</b>	<b>\$ -</b>	<b>\$ (5,643.14)</b>
<b>FY Balance</b>	<b>\$ 22,845.54</b>	<b>\$ 19,990.39</b>	<b>\$ 18,037.43</b>	<b>\$ 18,037.43</b>	<b>\$ 18,037.43</b>





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## Dinner Meeting

*The Carolinas Chapter of the  
Association of Environmental & Engineering Geologists  
Presents Guest Speaker:*



**Edward (Ned) Billington, P.G.**  
**Senior Geophysical Manager, ESP Associates**

### **PRESENTATION:**

### **“GEOPHYSICAL METHODS FOR BEDROCK CHARACTERIZATION”**

**Place:** The Greene Room at Natty Greene’s

**Address:** 345 S. Elm Street, Greensboro, North Carolina

**Date:** Thursday, November 10, 2022

**Time:** 5:30 pm socializing begins; 7:00 buffet dinner; 8:00 presentation

**Cost:** AEG members \$35, non-members \$45, educators \$20, students free with college ID

**Reservations:** RVSPs preferred, but not required. For reservations or questions contact Jennifer Thomas, [jen@jennetcllc.com](mailto:jen@jennetcllc.com) or your AEG Carolinas board, (<http://aegcarolinas.org/contact-us>)

**CEU's:** The NCBLG has pre-approved our chapter meetings for 1 hour of CE.

### **Ned Billington's Bio**

Ned Billington is the Senior Geophysical Manager at ESP Associates, Inc. with over 30 years of experience applying land, borehole, and marine geophysical methods to transportation, energy, landfills, hazardous waste, geotechnical, geologic hazards, dams, and mining projects. He holds an undergraduate degree in Physics and Geology from UNC-Chapel Hill and a Masters in Geophysical Science from Georgia Tech.

### **Presentation Synopsis**

Geophysics can be a powerful tool for characterizing bedrock, utilizing methods such as seismic refraction, surface wave seismic, resistivity imaging, and borehole logging. Information that can be obtained from geophysical studies includes depth to bedrock, bedrock rippability, characterization of bedrock fractures, and mapping of karst features. Constraining geophysical data with boring data often provides a more effective result and higher value than either method alone. This presentation will review various geophysical methods and show example applications from various environmental and engineering projects.

### **Thanks to the Sponsors of the Carolinas Chapter of AEG**

Thanks to our chapter sponsors, without which our meeting dinners would be more expensive, and we couldn't offer reduced rates for the public sector employees and teachers, and free dinners for students. Be sure to tell them thanks for supporting AEG and our profession.





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**ASBOG® Exams Convert to Computer-Based Testing..... by Rick Kolb**

The National Association of State Boards of Geology (ASBOG®) is currently converting paper and pencil examinations for the Fundamentals of Geology (FG) and Practice of Geology (PG) examinations to computer-based testing (CBT) exams beginning with the March 2023 administration. The inaugural CBT administration will be during the spring administration on March 17, 2023. A major advantage to switching to CBT is that ASBOG® is allowing candidates to sign up for the FG and/or PG during two different testing windows. Both the FG and PG exams will be offered in the 8:00am to 12pm and the 1:00 pm to 5:00pm time slots. You can take the exams at any of 575 testing facilities throughout the contiguous United States, Puerto Rico, and Hawaii.

There are currently 21 locations available in North Carolina and nine in South Carolina. Visit [www.asbog.org/cbt/index.html](http://www.asbog.org/cbt/index.html) for further information and the list of locations where you can take the examinations. In order to take the March 17, 2023 exams, candidates for the exam in North Carolina must have a completed application on file with the NC Board for Licensing of Geologists. Your file must be complete by January 1, 2023 in order to ensure that your application can be approved by the Board at their January 2023 meeting. Deadline to order the March 17, 2023 examination is January 31, 2023.

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## AEG Carolinas Scholarship Winner

*Isaac Pugh (Appalachian State University—Boone, NC)*

The AEG Carolinas Scholarship was established in 2015 with initial seed money in the amount of \$10,000 from the AEG Carolinas Section (now the AEG Carolinas Chapter). Earlier this year the scholarship was awarded to Isaac Pugh, a former student of Appalachian State University, who is now pursuing his Masters Degree at Virginia Tech. Isaac's background and planned use for the scholarship are included below:



*As a student in rural Appalachia, my exposure to the sciences was somewhat limited. However, this did not stop me from developing a passion for paleontology. I pursued this interest at Appalachian State University as an undergraduate and have since moved on to Virginia Tech's graduate program. The Carolinas Scholarship was a huge help during my final course at AppState: field camp. While the class offered a wonderful chance to learn about geology and culture outside the US, it was expensive, but the Carolinas Scholarship greatly lessened the financial burden. While in Italy, I was even able to visit holotype specimens of the reptiles I have been studying, so the Carolinas Scholarship has been a massive aid in both an academic and financial sense. Thank you to those who make it possible.*



Jennifer B. Thomas, P.G.

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**Carolina Board Meeting Minutes 10-23-2022 1pm— Olde Mecklenburg Brewery**  
*By Laura Elliot—Carolinas Chapter Secretary*

**1. Call to order**

**2. Roll Call** — Jennifer Thomas, Walt Plekan, Rick Kolb, Paul Weaver, Laura Elliot, Adam Phillips by phone

**3. Carolina Chapter Finances by Walt Plekan**

**A. Review of current chapter finances**

- Current Budget: \$3,028.37
- Savings: \$15,619.85
- Paypal: \$100

\*The board recommends that any chapter expenditure over \$500 be approved by the chair

**B. Discussion of problems with 2-factor authentication on Square system.** We may need to change the attached cell phone number. This is also a problem with the email blast system. We need to be able to accept credit cards at meetings.



- So far, anyone needing to pay for a meeting has been able to log on to the website and pay via internet. None of the current officers have access to the square that we do have.

**C. Making official receipts—** Paul prints receipts for those who pay cash at events

**D. Setting prices for meetings**

- A vote was taken that future meeting costs will be \$35 member/\$50 non-member (after the Greensboro meeting, which was previously decided and published to be \$35/\$45)

**E. We have surplus funds—** what should we do with the money?

- The budget is currently planned to fund an annual \$3,500 scholarship to a geology student
- Spending is currently used for chapter meetings, reimbursing the Jahns lecturer, paying for the rock buckets provided to NC science teachers by the NC Aggregates Association, and for scholarships

**4. GEONews— Meredith and Colleen**

**A. Increasing content**

- Brad plans to remove all old events from the website
- One idea was presented to accept photos of geology-related road signs from members around the state to be published on the website
- Testing Information - ASBOG exams are now available at 21 locations around the state online
- Scholarship information – scholarships are only available to AEG members

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*(Continued on Page 16)*

(Continued from Page 15)

#### B. Getting it out on time

- A push will be made to publish event dates and send out emails earlier to improve attendance

#### 5. Sponsor Update

A. Jared Wilke is the new sponsor chair

B. We need Sponsors

- Jared is reaching out to ~20 sponsors for meetings, visiting professionals, and Jahns lecturer travel costs.
- The board requests that Jared send his list of sponsors contacted to the board in order to allow board members to reach out to additional sponsors not listed.

C. Yearly sponsorship rather than signing up drink sponsors for each meeting

- Both options will be presented to potential sponsors

#### 6. Upcoming Meetings

\*RSVPs will be either requested or encouraged, but not mandatory— this will help with venue preparations

A. Greensboro— planned for November 10th at Natty Greene's

B. Charlotte— planned for January, possibly the Olde Mecklenburg Brewery

C. Southeast Regional

- Ideas were floated that this could be in Greenville, SC or near Furman to attract Carolinas, Nashville, and Atlanta chapter members to attend. A weekend might be easiest for so many people to travel – potentially a Friday meeting and Saturday field trip.
- Nate Saraceno and Vince Cronin (Jahns Lecturer) visits, combined with presentations at schools (coordinated by Brad Worley)

#### 7. Carolinas By-Laws— Paul

A. Five years ago updates were discussed. At annual meeting 2016, determined individual chapters do not need their own bylaws; we just need a policy or operating procedure for Chapter activities. Rick has copies of old By-laws. It was suggested that we draft "Guidelines" instead of Chapter policies, stating board positions, terms, mission, what requires a vote. Where are we now?

- Our chapter is covered by the national bylaws. Rick will review the old bylaws to assess how the Carolinas chapter is to handle spending.

- AEG has a new policy that requires national approval for any expenses over \$500 that are not associated with chapter meetings.
- Annual reports are required to be submitted, per national rules.

#### 8. Field Trips— Rick

A. No fall field trip

B. Do we want to plan something for spring?

- A spring field trip was suggested for the central/western portion of the state.
- Suggested field trip leaders included: Tyler Clark, Jen Bauer, Jody Kune, or someone with the State Parks Education Group – Randy Becktall or Amy Pitts.

#### 9. Social Activities— Adam

A. Ideas for social events, Raleigh, Charlotte and Greensboro.

- A Raleigh social event will be planned for the week after Thanksgiving on Thursday, December 1, 2022

#### 10. Communication and Social Media— Adam

A. Adam needs access to the AEG Facebook login to post on Facebook and LinkedIn

#### 11. Additional Items Discussed

A. National meetings are planned for:

- 2023— Portland, Oregon
- 2024— Philadelphia, Pennsylvania
- 2025— Chicago, Illinois

B. Sensitivity training may be required by AEG Na-

 <p><b>CCI</b></p> <p>P: (910) 484-7000</p> <p>281 Lane Parkway Salisbury, NC 28146</p> <p>3434 Black &amp; Decker Road Hope Mills, NC 28346</p> <p>24-Hour ER Phone 1-888-624-6555</p>	<p>Abatement</p> <p>Demolition</p> <p>Emergency Response/Disaster Response</p> <p>Contaminated Soil Remediation</p> <p>Industrial Services</p> <p>Industrial Blasting</p> <p>Geoseal Vapor Barrier Installation</p> <p>"Dedicated to our client's success"</p>
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Please contact: Ned Billington, PG, 336-232-5211

[geophysics@espassociates.com](mailto:geophysics@espassociates.com)

[www.espassociates.com](http://www.espassociates.com)



## CALENDAR OF EVENTS—2022/2023

### Geological Events in the Carolinas

Courtesy of AEG Carolinas Chapter—[www.aegcarolinas.org](http://www.aegcarolinas.org). Last updated November 1, 2022

Send updates/corrections to Rick Kolb, [rick.kolb1@gmail.com](mailto:rick.kolb1@gmail.com)

**Meeting Date, Time, and Location are Subject to Change—Please Verify Prior to the Meeting**

#### Date: Thursday, November 10, 2022

Event: AEG Carolinas Chapter Meeting

Location: Natty Greene's, 345 S. Elm Street, Greensboro

Cost: \$35 for AEG members, \$45 for non-members, \$20 for public-sector employees and teachers; **free** for students w/ ID.

Details: 5:30-7:00 socializing, 7:00-8:00 buffet dinner; 8:00-9:00 speaker. *Registration will be \$5 more at the door.*

Presentation: "Geophysical Methods for Bedrock Characterization" by Ned Billington

Registration: Go to [www.aegcarolinas.org](http://www.aegcarolinas.org)

#### Date: Thursday, January 26, 2023

Event: AEG Carolinas Chapter Meeting

Location: Olde Mecklenburg Brewery, Charlotte, NC

Cost: \$35 for AEG members, \$45 for non-members, \$20 for public-sector employees and teachers; **free** for students w/ ID.

Details: 5:30-7:00 socializing, 7:00-8:00 buffet dinner; 8:00-9:00 speaker. *Registration will be \$5 more at the door.*

Presentation: Nate Saraceno, AEG President

Registration: Go to [www.aegcarolinas.org](http://www.aegcarolinas.org)

#### Date: Friday, March 17, 2023

Event: ASBOG FG and PG Exams

Location: McKimmon Center; Raleigh, NC

Contact: [www.ncblg.org](http://www.ncblg.org)

#### Date: April, 2023 (date TBD)

Event: AEG Carolinas Chapter Meeting

Location: TBD

Cost: \$35 for AEG members, \$45 for non-members, \$20 for public-sector employees and teachers; **free** for students w/ ID.

Details: 5:30-7:00 socializing, 7:00-8:00 buffet dinner; 8:00-9:00 speaker. *Registration will be \$5 more at the door.*

Presentation: Tentatively, coastal geologist Stan Riggs

#### Date: May 15-19, 2023

Event: Life of Mine: Maintaining Sustainability Through Geoscience— The Role of Geoscience in Mine Site Regulation, Running, Rehabilitation, Re-purposing, Retirement, and Reclamation

Location: Virtual

Cost: \$35 for AEG members, \$45 for non-members, \$20 for public-sector employees and teachers; **free** for students w/ ID.

Hosts: AEG and the Environmental and Engineering Geophysical Society

Registration: Opens in February at

[www.minessymposium.org](http://www.minessymposium.org)

#### Date: September 19-24, 2023

Event: AEG 66<sup>th</sup> Annual Meeting – "Hazards in Hindsight...Lessons for the Future"

Location: Portland Marriott Downtown Waterfront; Portland, Oregon

Contact: <https://www.aegannualmeeting.org>

Registration: Available soon at [www.aegweb.org](http://www.aegweb.org)

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**Below is a quick breakdown of the exciting things happening at ES:**



### **Added Inventory / Supplies:**

***Along with several items added to our growing inventory, here is a quick list of those specialty items that have been requested:***

- Core Drill w/ water kit
- Hammer Drills
- Diaphragm Pumps
- Air-Sparge System (Pilot Testing)
- SVE System (Pilot Testing)
- Sewer Camera w/Locator
- Downhole Camera w/DVR
- ATV / UTV Rental (Coming in April)
- Sand, Bentonite, and 55-Gallon Drums
- Large Selection of Vapor Points
- Carbon (Vapor/Water)



### **New Support Services**

***Based on our client's requests to expand our support services, Eastern Solutions now offers the following (Please note these services are for existing rental clients only):***

- Bushhogging and Heavy Clearing (i.e. Forestry Cutter)
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- Silt Fence Installation
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- Downhole Well Camera w/DVR Service
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- AS/SVE System Support and Installation
- Equipment Calibration and Repair Services

**4543 Charlotte Hwy, Suite 8  
Lake Wylie, SC 29710**

**Rentals@EasterSolutionsEnv.com  
Main Office: 803.746.5180**



## MEMBERSHIP APPLICATION



## Association of Environmental & Engineering Geologists

**AEG is geology in practice.**

The benefits of AEG membership are many, but the simplest answer is that membership in AEG can enhance your technical and business knowledge, provide career opportunities, and introduce you to thousands of other professionals all while having fun in the process! Visit [www.AEGweb.org](http://www.AEGweb.org) to see all of the great benefits we have to offer our members.

### 1. CHOOSE MEMBERSHIP

#### FULL MEMBER

☐ Full Member Dues - \$140\*

Applicants for Member Class shall hold a degree in geology, engineering geology, or geological engineering, or a degree in a related professional field with 30 semester-hours of credit in the geosciences. In addition, the applicant shall be practicing in the field of Engineering Geology, Environmental Geology, or Hydrogeology.

#### AFFILIATE

☐ Affiliate Dues - \$100\*

Applicants for Affiliate Member Class shall be scientists or engineers who work with engineering geologists, or persons interested in environmental and engineering geology.

#### TEACHER

☐ Teacher Dues - \$35\*

Applicants for Teacher Member Class shall be engaged in full-time teaching at the Primary, Secondary or Post-Secondary level in the area of Earth Science education or a related subject.

#### ORGANIZATIONAL AFFILIATE

☐ Org. Affiliate Dues - \$80\*

Applicants for Organizational Member Class shall be engaged as members of similar geological science organizations but do not wish to become Full members of the Association.

#### INTERNATIONAL

☐ Int'l Member Dues - \$35\*

Applicants shall hold the same requirements as Full Member Class. International Members receive (online digital access ONLY) to the *E&G Journal*, Annual Directory, Annual Meeting Program with Abstracts and the *AEG News*.

If you are a current student and interested in membership, please visit [www.AEGweb.org](http://www.AEGweb.org) to sign up online or download the Student Membership application to complete and mail in.

\* All paying memberships listed above require applicants to pay Section dues in addition to the applicable membership fee. Please visit [www.AEGweb.org](http://www.AEGweb.org) to view the entire list of sections and instructions on how to choose the section located within your zip/postal code.

I am joining Section \_\_\_\_\_  
Section Dues \$ \_\_\_\_\_

If you are not sure on the Section you should join, please contact us at (844) 331-7867 and we will be glad to assist you.

Send your completed form with payment to the:

Association of Environmental & Engineering Geologists  
1100-H Brandywine Blvd  
Zanesville, OH 43701-7303  
Phone: (844) 331-7867 • Fax: (740) 452-2552 • [www.AEGweb.org](http://www.AEGweb.org)

### 2. CONTACT INFORMATION (please print legibly)

Individual Name \_\_\_\_\_  
Company Name \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
City \_\_\_\_\_ State/Province \_\_\_\_\_  
ZIP+4 \_\_\_\_\_ Country \_\_\_\_\_  
Phone ( ) \_\_\_\_\_  
Fax ( ) \_\_\_\_\_  
E-mail \_\_\_\_\_  
Website \_\_\_\_\_

### 3. ADDITIONAL INFORMATION (complete as applicable to the membership you are seeking)

Institution/University (Current or Attended) \_\_\_\_\_  
Anticipated Graduation Year or Graduation Year \_\_\_\_\_  
Highest Program Degree Seeking or Received \_\_\_\_\_  
Major \_\_\_\_\_ Focus \_\_\_\_\_  
Are you a registered Geologist or Engineer? Yes \_\_\_\_\_ No \_\_\_\_\_

### 4. PERMISSIONS

I give permission to AEG to publish in print and online, including in Annual Directory as follows:

#### Publish the following:

☐ Website ☐ Name ☐ Company Name ☐ Address ☐ E-mail ☐ Do Not Publish

#### I give permission for contact by e-mail from the following\*:

☐ From AEG only  
☐ From AEG-sponsored events (e.g., AEG Annual Meeting, Shlemon Conferences)  
☐ From third party organizations with industry-related interests  
☐ Do not want e-mail communication (do not list my email in my member record)

\* If you have agreed to email communications from AEG, please add the following email domains to your e-mail "safe list" now: [AEGweb.org](http://AEGweb.org). This will help to ensure that you receive all communications from AEG (i.e., [contact@AEGweb.org](mailto:contact@AEGweb.org)) and all individual staff communications whose emails contain their name and end with [@AEGweb.org](mailto:@AEGweb.org).

### 5. PAYMENT

☐ Check (Make check payable to AEG) Total Enclosed \$ \_\_\_\_\_

To join/renew and pay by credit card, please visit [www.AEGweb.org](http://www.AEGweb.org) and Join or Sign In (located in the upper right corner). AEG currently accepts the following credit cards: American Express, Discover, MasterCard and Visa. AEG is unable to accept credit cards by phone, fax, e-mail or mail.

If you do not remember your Username or Password, use the **Forgot Your Password?** link on the AEG website by entering the e-mail address associated with your member record. Please contact the AEG office at (844) 331-7867 if you have any questions or have trouble signing in.

#### (Signature)

My signature attests that, to the best of my knowledge, I meet the academic and practice requirements for the membership class I have requested and that all information on this application are true and correct.

### 6. SEND YOUR COMPLETED FORM WITH PAYMENT TO THE ADDRESS ABOVE.

To join online, please visit [www.AEGweb.org](http://www.AEGweb.org).

AEG memberships are based on the calendar year. Applications received after October 1 will be entered for the following calendar year.

Thank you! We appreciate your support of the Association of Environmental & Engineering Geologists.

#### FOR OFFICE USE ONLY

Recd	Ck#	Amt \$	ACKD







## AEG CAROLINAS CHAPTER – SPONSOR INFORMATION

The Carolinas Chapter of AEG supports many of its activities with financial assistance provided by our sponsors. Our activities include quarterly meetings, periodic field trips and seminars, a quarterly newsletter, and email announcements about our meetings and geoscience related activities. In addition, we donate large quantities of educational resources to science teachers.

We offer several levels of sponsorship, but they all have one goal: to keep the sponsor's name in front of our members and to bring you business. We have a real commitment to connecting our sponsors to potential buyers and will do all we can to help you build your business. Most of our members are practicing professionals with responsibility for selecting subcontractors, so our group is a great place to find new customers and to catch up with existing clients in an informal setting.

Our sponsors provide the financial support that allows us to have reasonably priced dinner meetings, host seminars, provide discounted dinner meeting costs for students and teachers, underwrite the cost of newsletters and our web site, provide geoscience mentors for students and young professionals, and support science education tools to our teachers and in our schools. All costs listed below are per year and end in December. New sponsorships received after October will continue to December of the following year.

### Silver Sponsor (\$275):

GeoNews Newsletter: Business card size ad (2" high x 3-1/2" wide), four times per year.

Meetings: Listing on a Sponsor Poster, located at sign-in table. Verbal acknowledgement by name in Chairman's introductory comments.

Meeting Exhibits: Space for tabletop display at one meeting. Cost of meeting waived for one person on the exhibit date.

Email Announcements: Listing of your company name on each AEG Carolinas Chapter email announcement (our email list is currently over 1,000 people)

Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, [www.aegcarolinas.org](http://www.aegcarolinas.org), with a link to your site.

### Gold Sponsor (\$400):

GeoNews Newsletter: Quarter-Page ad (4-1/2" high x 3-1/2" wide), four times per year.

Meetings: Listing on a Sponsor Poster, located at sign in table. Verbal acknowledgement by name in Chairman's introductory comments.

Meeting Exhibits: Space for tabletop display at two meetings. Cost of meeting waived for one person on the exhibit date.

Email Announcements: Listing of your company name on each AEG Carolinas Chapter email announcement (our email list is currently over 1,000 people)

Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, [www.aegcarolinas.org](http://www.aegcarolinas.org), with a link to your site.

### Platinum Sponsor (\$550):

GeoNews Newsletter: Half-page ad (4-1/2" high x 7" wide), four times per year.

Meetings: Listing on a Sponsor Poster, located at sign in table. Verbal acknowledgement by name in Chairman's introductory comments.

Meeting Exhibit: Space for tabletop display at three meetings. Cost of meeting waived for one person on the exhibit date.

Email Announcements: Listing of your company name on each AEG - Carolinas Chapter email announcement (our email list is currently over 1,000 people)

Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, [www.aegcarolinas.org](http://www.aegcarolinas.org), with a link to your site.

### Titanium Sponsor (\$650):

Same as Platinum, but with a FULL PAGE ad in GeoNews. Limited to 2 Sponsors per year.

### GeoNews Newsletter Sponsorship Only

Businesses or individuals can also advertise in GeoNews without being a full sponsor. The annual rates for advertising in GeoNews are as follows:

Business Card	\$ 40.00
Quarter Page	\$ 60.00
Half Page	\$ 100.00
Full Page	\$ 200.00

Please complete the form below and mail to Eric Cross, AEG Carolinas Sponsorship Chair. Please call or email if you have any questions (contact information below).

### AEG Carolinas Chapter Sponsorship Form

Please begin our sponsorship of the Carolinas Chapter of the Association of Engineering Geologists. Our sponsorship level is:

- \_\_\_\_\_ Titanium Chapter Sponsorship, \$650/year  
 \_\_\_\_\_ Platinum Chapter Sponsorship, \$550/year  
 \_\_\_\_\_ Gold Chapter Sponsorship, \$400/year  
 \_\_\_\_\_ Silver Chapter Sponsorship, \$275/year  
 \_\_\_\_\_ GeoNews Newsletter Sponsor Only (see above)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Cell: \_\_\_\_\_

Email: \_\_\_\_\_

Website URL: \_\_\_\_\_

Date of Payment: \_\_\_\_\_

Something about your company (use back of page for more room) \_\_\_\_\_

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Please enclose a business card or email ad in jpg, pdf, or doc to [Wilke.jared@gmail.com](mailto:Wilke.jared@gmail.com)

SPONSOR ONLINE AT [WWW.AEGCAROLINAS.ORG](http://WWW.AEGCAROLINAS.ORG) or  
 MAKE CHECK OUT TO AEG CAROLINAS

Snail mail form and payment to:

Jared Wilke, AEG Carolinas Sponsorship Chair, c/o Hart & Hickman  
 3921 Sunset Ridge Road #301, Raleigh, NC 27607

**\*\* Sponsors will be listed on the AEG Carolinas Chapter Facebook Page! \*\***

## Thank You Sponsors!

Thanks to our chapter sponsors, without which our meeting dinners would be more expensive, and we couldn't offer reduced rates for the public sector employees and teachers, and free dinners for students. Be sure to tell them thanks for supporting AEG and our profession.

The list below includes those companies that sponsored our chapter in 2019. Due to Covid and our lack of face-to-face chapter meetings, we did not solicit sponsors for 2020 and 2021, but we are now with meetings and are contacting our past sponsors to sign up again in 2022.

### TITANIUM SPONSORS

**Enviro-Equipment, Inc.**, 11180 Downs Road; Pineville, NC 28134; [www.enviroequipment.com](http://www.enviroequipment.com)

Rand Ratterree, [rand@enviroequipmnt.com](mailto:rand@enviroequipmnt.com)

**Pace Analytical Services, Inc.**, 9800 Kinsey Avenue; Huntersville, NC 28078; [www.pacelabs.com](http://www.pacelabs.com)

Korey Drew, 704-875-9002, [Korey.drew@pacelabs.com](mailto:Korey.drew@pacelabs.com)

**Eastern Solutions**, 10909 Rozzelles Ferry Rd., Charlotte, NC 28214; [www.easternsolutionsenv.com](http://www.easternsolutionsenv.com)

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**Schnabel Engineering**, 11A Oak Branch Drive, Greensboro, NC 27407; [www.schnabel-eng.com](http://www.schnabel-eng.com)

Gary Rogers, [grogers@schnabel-eng.com](mailto:grogers@schnabel-eng.com)

**SGS North America, Inc.**, 5500 Business Dr, Wilmington, NC 28405; [www.sgs.com](http://www.sgs.com)

### GOLD SPONSORS

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Kristin Hatton, 908-362-5616; [khatton@cleanvapor.com](mailto:khatton@cleanvapor.com),

**Contaminant Control, Inc. (CCI)**, 3434 Black & Decker, Road; Hope Mills, NC 28348; [www.cci-env.com](http://www.cci-env.com)

Mark Vestal, 910-484-7000, [mark.vestal@cci-env.com](mailto:mark.vestal@cci-env.com)

**Geologic Exploration, Inc.**, 176 Commerce Blvd.; Statesville, NC 28625; [www.geologicexploration.com](http://www.geologicexploration.com)

Matt Tischler, 800-752-8853, [mtischler@gexnc.com](mailto:mtischler@gexnc.com)

**Pyramid Environmental**, P.O. Box 16265; Greensboro, NC 27406; [www.pyramidenvironmental.com](http://www.pyramidenvironmental.com)

Eric Cross, 336-335-3174, [eric@pyramidenvironmental.com](mailto:eric@pyramidenvironmental.com)

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Lynn Hendrix, 864-288-1986, [lhendrix@aedrilling.com](mailto:lhendrix@aedrilling.com)

**Covanta Environmental Solutions (recently merged with EQT)**, 2242 Carl Drive, Asheboro, NC 27203; [www.covanta.com](http://www.covanta.com), Geoff Myers, (336) 683-0911, [GMyers@covanta.com](mailto:GMyers@covanta.com)

**EGIS, PA**; 441 Northside Drive; Chapel Hill, NC 27516; [www.waterwellvideos.com](http://www.waterwellvideos.com)

Mike Vaught, 919-929-8363, [gwinvest@juno.com](mailto:gwinvest@juno.com)

**ENCO Labs**; 102-A Woodwinds Industrial Court, Cary, NC 27511; [www.ENCOLabs.com](http://www.ENCOLabs.com)

Jim Hays, 919-812-4471, [jhays@encolabs.com](mailto:jhays@encolabs.com)

**Environmental Risk Information Services ERIS**, 2520 S Interstate Hwy 35, Suite 200, Austin TX 78704; [www.erisinfo.com](http://www.erisinfo.com)

Adam Phillips, [aphillips@erisinfo.com](mailto:aphillips@erisinfo.com), (919) 451-3370

**Environmental Data Resources**, 6 Armstrong Road; Shelton, CT 06484; [www.edrnet.com](http://www.edrnet.com)

Todd Elmore, [telmore@edrnet.com](mailto:telmore@edrnet.com)

**Hazmat Emergency Response and Remediation, Inc.**, 303 S Maultsby Street; Whiteville, NC 28472; [www.herrteam.com](http://www.herrteam.com)

Al King, 919-234-3172, [al.king@herrteam.com](mailto:al.king@herrteam.com)

**Parratt-Wolff**, 501 Millstone Dr., Hillsborough, NC 27278; [www.pwinc.com](http://www.pwinc.com)

Gary Ellingworth, [gellingworth@pwinc.com](mailto:gellingworth@pwinc.com)

**Waypoint Analytical**, 449 Springbrook Road; Charlotte, NC 28217; [www.waypointanalytical.com](http://www.waypointanalytical.com)

Troy Davis, 704-386-8131, [tdavis@waypointanalytical.com](mailto:tdavis@waypointanalytical.com)

**SAEDACCO**, 9088 Northfield Drive; Ft. Mill, SC 27406; [www.saedacco.com](http://www.saedacco.com),

Pete Byer, (803) 548-2180, [pbyer@saedacco.com](mailto:pbyer@saedacco.com)